

**TEXTO I****NASA to test personal flying machine**

LONDON – Batman will soon be sweeping down on criminals using a personal helicopter developed by a company based in California, according to a report in the journal *New Scientist*.



The SoloTrek is a personal flying machine that can whizz a person over rooftops and traffic jams at 120 kilometres per hour. It is powered by two fans enclosed in protective casings attached to a structure the pilot stands up in. The fans allow the device to take off and land vertically, and can be tilted to provide forward thrust.

Millennium Jet, a company based in Santa Clara, California, is developing the SoloTrek with technical support from NASA. The machine, which has a range of 250 kilometres, is initially intended for use by the armed forces, police and rescue workers, but former U.S. navy pilot Mike Moshier, who came up with

the idea, said he expected recreational use to develop later.

Previous attempts to develop personal flying machines have ended in failure. A machine called the Rocket Belt was developed in the 1970s and appeared briefly in the James Bond film *Thunderball*. It proved impractical since it could only fly for 30 seconds before running out of fuel.

William Warmbrodt, chief of the aeromechanics branch at the NASA Ames Research Centre in California, said it remained to be seen whether the SoloTrek concept will take off. “Stability, control and practicality of the design have always been beyond the here and now. It may turn out that the SoloTrek is not feasible, yet it will help us take a step towards a more feasible system,” he said.

By Deutsche Press-Agentur  
August 24, 2000.  
www.ngnews.com



**Com base no texto I, responda, em INGLÊS, às questões de números 01 a 04.**

**Questão 01**

Cite three characteristics of the machine mentioned in the text.

**Questão 02**

*Millennium Jet (...) is developing the SoloTrek (...)*

Explain why the word **solo** is part of the name given to the machine.

**Questão 03**

Supply three applications of the machine.

**Questão 04**

*Previous attempts to develop personal flying machines have ended in failure.*

Point out the main reason for the failure of the Rocket Belt machine.

## TEXTO II

**GIRLS: *Dieting Damage***

**Weight-conscious mothers beware: counting your young daughter's calories – and your own – may lead her to develop unhealthful eating habits.**

**In a recent study published in the *American Journal of Clinical Nutrition*, 5-year-old girls whose mothers restricted them from eating sweet, savory, energy-dense foods on a daily basis consumed about 50% more of these foods when presented with them – even on a full stomach – than girls who were allowed to include these foods in their everyday diet.**

**“Heavier girls get more restrictions, but restriction leads to greater intake,” explains study author Leann Birch, Ph.D., head of Pennsylvania State University's human development department. “It's a case of the chicken and the egg, and we don't know which came first”. Birch asked 192 girls what they**

**knew about dieting, and was surprised to learn that roughly half recognized its link to weight. And all of the girls who knew about dieting had a mother who was watching her own weight.**

**Birch hopes to monitor the girls over the next 10 years to learn how and when other concerns about weight and dieting emerge. She believes that instead of restricting children from eating certain foods, parents should regularly present their kids with healthy snacks, but still allow occasional treats. “Restriction focuses kids on food, so they learn to eat in its presence instead of paying attention to internal clues,” Birch said.**

By Kelly McCarthy, *Psychology Today Online*, September/2000.



Com base no texto II, responda, em PORTUGUÊS, às questões de números 05 a 09.

**Questão 05**

*Weight-conscious mothers beware:*

Cite the consequence of the excessive concern mothers have in relation to their daughters' eating habits.

**Questão 06**

The American Journal of Clinical Nutrition published the results of a study on weight.

Indicate the conclusion arrived at.

**Questão 07**

Establish the cause and effect relation between weight and eating restrictions.

**Questão 08**

Around 90 girls in Birch's study fail to perceive one important relation.

Indicate the relation they fail to perceive.

**Questão 09**

Birch gives parents a suggestion in the last paragraph.

Reproduce in your own words the suggestion offered by Birch.

## TEXTO III



## Capoeira Music Reviews

### Capoeira Angola From Salvador Brazil

It is quite a challenge to track down *capoeira* music on CD outside of Brazil, so it's great that this recording is available! It's on the Smithsonian Folkways album, and any record store in the country will be able to get it for you. In the worst case, you can order online at Amazon.com, or heck, write the Smithsonian Institute (that big tourist museum in Washington, D.C.) for their catalog and order it directly through them! But enough about how to get it, you want to know how this recording stacks up, right?

Well, not only do you get an impressive musical recording here, you get a beautifully designed CD cover and liner notes! As for the music, you get roughly 68 minutes of *capoeira* music, including ten minutes from a live *roda*, with

lyric sheets. As this is a recording of *capoeira* Angola music, the tempos are either slow or medium...not too many fast tempos on this recording. But the music is wonderful! It captures the resonance and contrast of the instruments and voices well, and has a very "live" presence to it. It feels like you are in the same room, preparing to play a very focused *jogo*! On the 10 minute live track, you can feel the energy push and pull between the instruments and the players in the game, which occurs in the best of *rodas*. Occasionally you hear the ohs and ahs and laughter of the people as someone has obviously pulled off an impressive or tricky move! Featuring the voices and playing of such *capoeira* luminaries as Mestre Joao Grande, Mestre Cobra Mansa, & Mestre Moraes, this is a must buy!

The liner notes is what makes this CD so noteworthy. They read as a great introduction to the art of *capoeira* - about the music, the history of the game. There is also information about the recording and those involved, and lyrics! The notes are both in English and Portuguese. Outstanding overall!

[http://www.planetcapoeira.com/music\\_review.htm](http://www.planetcapoeira.com/music_review.htm)

**planet capoeira**  
The Online Capoeira Magazine

Com base no texto III, responda, em PORTUGUÊS, às questões de números 10 a 14.

### Questão 10

The CD received an excellent review.

Indicate two positive features mentioned in the text.

### Questão 11

Indicate two ways the public abroad can buy the CD.

### Questão 12

*Well, not only do you get an impressive musical recording here, you get a beautifully designed CD cover and liner notes!*

The pronoun **you** is frequently used in this review.

Describe the effect this pronoun produces.

### Questão 13

*The liner notes is what makes this CD so noteworthy.*

Supply three information features that justify what is said above.

### Questão 14

*On the 10 minute live track, you can feel the energy push and pull (...)*

Indicate two elements which reflect the presence of a live audience.

## TEXTO IV

**Who owns your genes?**

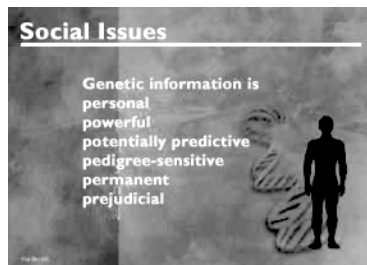
*Not all the questions raised by genomics are scientific ones (01st July 2000).*

(...)

The question of who should know what about a person's genes is likely to be longer-lived. At the moment, genetic information is collected for two reasons - medical and legal. The fear is that it may be misused to make judgments that should not, and in many cases cannot, properly be made using it.

Legal genetic databases are being built up in many places. In general, the principle used to add genetic material to a database is the same as for fingerprinting. This principle is that samples are taken from suspects in cases where it may help, but those samples are destroyed if no conviction ensues.

Another question in this connection is what information is stored in medical genetic databases, and by whom. Even now, it is clearly in a person's interest for his doctor to have as much relevant genetic information as possible. That will be even truer when and if genomic diagnosis and treatment becomes a reality, and even if the "doctor" is then a computer-based expert system. It may well not be in someone's interest, however, for his employer or insurance company to have that information. Employers may not, for all sorts of reasons, want to take on people they perceive to be unhealthy. Medical-insurance



companies or, in America, health-maintenance organisations, certainly will not want such customers - or, at the least, will want to charge them higher premiums. (...)

This is a serious issue for policymakers. One solution, proposed by Matt Ridley, a British commentator on the social consequences of genetic knowledge, might be the creation of medical-treatment funds, similar to pension funds. The size of a fund, and the point when it needed to mature, could be gauged in the light of predicted illnesses. If cheaper cures came along in the meantime, contributions could be adjusted downwards. If the previously incurable became medically tractable, they could go up. An alternative, and the one proposed by Sir Walter Bodmer, a British scientist who helped to get the Human Genome Project off the ground, is that all countries would need to have state-run health services.

[http://www.economist.com/editorial/freeforall/20000701/index\\_survey.html](http://www.economist.com/editorial/freeforall/20000701/index_survey.html)

Economist.com

Com base no texto IV, responda, em PORTUGUÊS, às questões de números 15 a 20.

**Questão 15**

Resuma em uma frase a idéia central do texto.

**Questão 16**

*At the moment, genetic information is collected for two reasons - medical and legal.*

Identifique o objetivo da criação dos bancos de dados genéticos na área jurídica.

**Questão 17**

*Another question (...) is what information is stored in medical genetic databases, and by whom.*

Indique o desdobramento desta questão para a vida profissional dos indivíduos.

**Questão 18**

*Employers may not, for all sorts of reasons, want to take on people they perceive to be unhealthy.*

Considerando o fragmento acima, deduza uma possível razão e sua respectiva consequência para a atitude dos empregadores.

**Questão 19**

O último parágrafo apresenta uma proposta de cálculo para o ajuste dos fundos de assistência médica.

Determine em que circunstâncias as contribuições seriam reduzidas.

**Questão 20**

As soluções apresentadas por Matt Ridley e Sir Walter Bodmer atribuem responsabilidades de subsídio a dois setores distintos.

Identifique tais setores.