

NWBS 2010 Presentation Competition



2nd Prize Andy Sawers





1st Prize Anthony Rodriguez





NWBS 2010 Haiku Competition

Final List of Entries May 22, 2010



Honorable Mention

Something important?
Hi, I'm Sophos Virus Scan.
Meet my friend Blue Screen.

- Lucas Ting, U. Washington grad student



1st Place

High expectations.

Results not significant.

Still a good study.

- Brandi Row, Western Washington U. faculty



As the beads moved about The rat was killed Human kind advances

Gait, balance, posture
Research shows differences
Why do we still fall?

Three groups to compare Multiple T-tests not good Use an ANOVA



Force is a Newton Work and energy are joules Watt is the power?

Acceleration

Just start stop speed up slow down

or change direction

Gait simulator
Robotic walking pattern
C3PO lives!



What do you study?
I'm a biomechanist
You must be a nerd

Trey Crisco from Brown Biomechanics bigwig Thank you for speaking

'Nerd' tattooed on head Proud to be a scientist Biomechanist!



Tip toe or heel hop?
The gait debate challenges
Biomechanists.

Thirty thousand hertzstudent hyperventilates. Hand digitizing.



Cool nerdy word search Ligamentum flavum is my favorite one

To Defuzzify
Or to Defuzzificate
That is the question!



Cut, drain, dry, discard the "life" of the cadaver is so very hard

A fine pirouette.

Less efficient, yet so smooth

Is C. elegans.



Stress is a tensor
I calculate with numbers.
Tensors give me stress.

Numbers: Real, complex.

How can we get complex ones?

Imagination.

Acceleration
The Jumper reaches new heights
Gravity, ... The End



Compressive forces

Make me re-evaluate

My choice of footwear

Space walks cause bone loss
Can you hear me Major Tom?
Put your weight belt on.



Toe arthroplasty Stole some museum specimens But we need more bones

Manual control poor
What about fuzzy logic
Just move the damn foot

Fuzzification
Why Defuzzification?
Need to graduate



NWBS 2010 Banquet



























