

The Darwin Festival Writing Assignment

DUE DATE: February 20 and 21, 2019 (in class)

* no late work accepted for this assignment *

You will need to attend at least one of the major events (1-hour or longer) and then write a short paper about the event and your analysis of the content of the presentation.

The schedule of events for the 2019 Darwin Festival can be found here:

<http://w3.salemstate.edu/~pkelly/darwin/schedule>

I was going to have everyone attend the event that was being presented during our normal class period, but then I was convinced that you might actually find one of the many other presentations to be more personally interesting (and a better fit for your schedule) and so you may attend ANY event.

You will need to write a short response paper on the event you attend. It should be 3 – 4 paragraphs in length, single spaced, 1" margins and 12-point type. Please include your NAME and the TITLE of the presentation.

In a 3 - 4 paragraph essay (approximately 1 page) explain the following:

- Which presentation you chose and **Why** you chose it. A **Brief** recap of what the presentation was about and what the main point of the presenter was... in other words... what point of view or opinion was the presenter trying to get you to agree with?
- **Consider** how the issues and ideas raised in the presentation have importance or meaning in your world. Does it have any important message? Did this presentation change or reinforce any opinions or feelings you previously had concerning this subject? Do you think this presentation contains a message that is important? What *is* that important message important presented here and did they do a good job making their case? What *bias* might the presenter have regarding this issue? Did this effect how you perceived (or believed) the presenter?

The paper is to be type written, grammar and spell checked, and it needs to be turned in to me at the end of your regular lab section. **No late work will be accepted.**

Remember... We will be attending the Darwin Festival in place of lab this week, so please treat it seriously.
And, the Biology Department goes to a great deal of trouble to produce this festival every year... so be a good and polite audience! ☺

MONDAY, 11 FEBRUARY 2019		
9:00 AM	VIDEO: HHMI BioInteractive: <i>"The Making of the Fittest"</i> Adaptive evolution in action	Slater
11:00 AM	"METAMORPHOSIS IS NOT ALWAYS A NEW BEGINNING: DARWIN AS A MODEL" – Jan Pechenik, Tufts University	Vets
12:30 PM	VIDEO: NOVA Wonders: <i>"What's Living in You?"</i> Discover the microbes living in and on you	Slater
1:45 PM	"FROM THE DEEP SEA TO NEW ENGLAND COASTS: NOVEL MICROBIOME DIVERSITY IN MARINE SYMBIOSES" – Colleen Cavanaugh, Harvard University	Vets
3:05 PM	VIDEO: Netflix Original Documentary: <i>"Chasing Coral"</i> Our changing oceans	Slater

TUESDAY, 12 FEBRUARY 2019		
8:00 AM	VIDEO: PBS: <i>"Lethal Seas"</i> Can we save changing oceans before it's too late?	Slater
9:25 AM	"CLIMATE CHANGE AND OCEAN O₂ CONCENTRATIONS" – Rebecca Robinson, University of RI	Vets
10:50 AM	"NATURAL SOLUTIONS TO MEET THE CHALLENGE OF CLIMATE CHANGE" – William Moomaw, Tufts University	Vets
12:15 PM	VIDEO: PBS: <i>"Sinking Cities: Miami"</i> Preparing a city for climate change	Slater
1:45 PM	WHODUNNIT? THE IMPORTANCE OF FORENSIC SCIENCE IN CRIMINAL INVESTIGATIONS" – Paul Zambella, Forensic Scientist	Vets
3:05 PM	VIDEO: NOVA Science Now: <i>"Can I Eat That?"</i> What science lies behind your favorite foods?	Slater

WEDNESDAY, 13 FEBRUARY 2019		
8:00 AM	VIDEO: BBC: <i>"Nature's Most Amazing Events – The Great Melt"</i> Arctic awakens during spring	Slater
9:25 AM	"CARBON POLLUTION – IT'S TIME TO DEMAND 'WE PUT A PRICE ON IT'" – Robert Bonney	Vets
10:50 AM	VIDEO: NOVA Wonders: <i>"Can We Make Life?"</i> The opportunities and perils of gene editing	Slater
12:15 PM	"SCULPTING THE EVOLUTION OF WILD POPULATIONS" – Kevin Esvelt, MIT	Vets
1:45 PM	"COSMIC EVOLUTION: THE RISE OF COMPLEXITY IN NATURE" – Eric Chaisson, Harvard	Vets
3:00 PM	VIDEO: NOVA: <i>"Life's Greatest Miracle"</i> Trace human development from embryo to newborn	Slater

THURSDAY, 14 FEBRUARY 2019		
8:00 AM	VIDEO: NOVA <i>"Can Alzheimer's be Stopped?"</i> Researchers race to find a cure	Slater
9:25 AM	VIDEO: NOVA <i>"Vaccines - Calling the Shots"</i> The science and the risks of opting out.	Slater
10:50 AM	"CONSUMERISM, DNA, AND HEALTH: PROMISES AND PITFALLS" – Catharine Wang, BU	Vets
12:15 PM	"CHARLES DARWIN'S 'FOOL'S EXPERIMENTS' – LESSONS FROM AN INVETERATE EXPERIMENTISER" – James Costa, Western Carolina University	Vets
1:45 PM	VIDEO: PBS: <i>"The Shape of Life: Explosion of Life"</i> How animals create the diversity of life today	Slater
3:05 PM	"DISCOVERING HOW THE ECOSYSTEM THAT DARWIN NEVER SAW WORKS: STRONG BIOLOGICAL INTERACTIONS AND CLIMATE FORCING IN THE GALAPAGOS ROCKY SUBTIDAL" – Jon Witman, Brown University	Vets

FRIDAY, 15 February 2019		
8:30 AM	VIDEO: <i>"Symbiotic Earth"</i> Lynn Margulis: Life evolves through collaboration, Part 1	Slater
10:50 AM	"GROWING UP CHIMPANZEE: THE DEVELOPMENT OF SEX DIFFERENCES IN WILD CHIMPANZEES" – Zarin Machanda, Tufts University	Vets
12:15 PM	VIDEO: <i>"Symbiotic Earth"</i> Lynn Margulis: Life evolves through collaboration, Part 2	Slater
1:45 PM	"FISH OUT OF WATER: DID OUR ANCESTORS WALK ONTO LAND?" – Stephanie Pierce, Harvard	Vets
3:05 PM	VIDEO: PBS <i>"Your Inner Fish"</i> Tracing our anatomy to the first fish	Slater

Veterans Hall is located on the 2nd floor of the Ellison Campus Center.
Slater Lecture Hall is located on the 4th floor of Meier Hall, MH444.