April 17-21, 2023

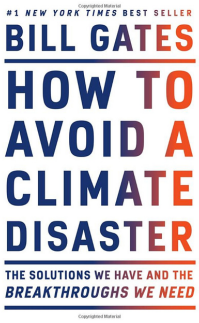
Volume I Issue 3

The Periodical

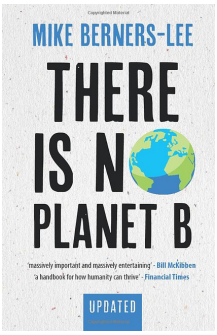
Tri Beta Conference

The Tri Beta had a successful W-1 conference this past weekend hosted by CSU Pueblo. Three posters from CSU Pueblo placed within the ecology and molecular categories. Two of the posters were from members of Chemistry Club, and came in 2nd and 3rd for the Molecular category.

Novels of the Week



"Bill Gates shares what he's learned in more than a decade of studying climate change and investing in innovations to address the problems, and sets out a vision for how the world can build the tools it needs to get to zero greenhouse gas emissions."



"The novel showcases the big-picture perspective on the environmental and economic challenges of our day, laid out in one place, and traced through to the underlying roots – questions of how we live and think. This updated edition has new material on protests, pandemics, wildfires, investments, carbon targets and of course, on the key question: given all this, what can I do?

Reminders

Interested in Joining Chemistry Club?

Apply by scanning the QR code below and filling out the form.

SCAN ME

STEM DAY FOR VILLA BELLA

CSUP WILL BE HOSTING A STEM DAY FOR VILLA BELLA EXPEDITIONARY SCHOOL FOR GRADES 5 AND YOUNGER.

ACTIVITIES WILL TAKE PLACE ON WEDNESDAY, MAY 17TH FROM 9-2 PM WITH 50 STUDENTS PER HOUR SESSION.

SCAN ME

SIGN UP TO PARTICIPATE IN STEM DAY!

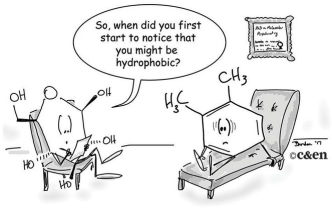
USE THE QR CODE TO SIGN UP FOR A TRIP TO THE MOLLIE KATHLEEN GOLD MINE!

SCAN ME

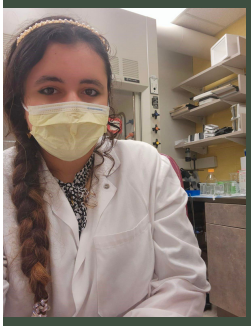
Earth Day

Celebrate Earth Day Saturday and all week by:

- **Start a garden**
- **Take a hike**
- **Try yoga outdoors**
- **Spending time off electronics**
- **Reduce, Reuse, Recycle**
- **Limit waste for the week**



Student Recognition



Ryeim Ansaf is a wunderkind who is dedicated to gaining new knowledge in a variety of different subjects. She is currently in her junior year of college, majoring in Biology and minoring in Chemistry. We interviewed Ryeim because she is an outstanding student and inspiring to many. She decided to study at CSU Pueblo because of the supportive atmosphere CSU-Pueblo provides for undergraduate research. She enjoys graphic design and art. Here are some of the questions that Ryeim was asked for the interview, as well as her responses to the questions:

- What's your favorite Chemistry course that you've taken?

I really enjoyed taking General Chemistry II with Dr. Cranswick the semester following COVID. Also, during that semester, I started working on my first chemistry project with Dr. Erickson that focused on studying bioorthogonal chromophores. I was fascinated by how the concepts I was learning in class correlated to my research, which inspired me to learn more about reactions like Inverse-Demand Diels Alder.

- Have you found any helpful study habits? If so, what are they?

I tend to remember things better when I write them down. So, if I am trying to study for an exam that requires a lot of memorization, I take 5-10 minutes every day to rewrite key takeaways from my notes. It is a little thing, but it has always been helpful!

- Have you completed any research here at CSU Pueblo? If so, did you present at the research symposium?

I have been involved in a few research projects at CSU-Pueblo. I am currently working with Dr. Annette Gabaldon in the Biology department to study the effects of poly-phenol rich diets on bone mineral density and mechanical strength. I have also participated in research at other institutions. This last summer, I attended a summer research internship at Mayo Clinic where I worked on studying 3D bioprinting skin models—I presented this work at the symposium last week in an oral talk! :)

- Who has been your most inspiring professor?

This is a very hard question, since all my professors have had a direct impact on my success as a student. The biology, engineering, and chemistry faculty are all great researchers in their own right, providing me with many opportunities to develop as a student and acting as a catalyst to my success. As Wolfgang Ostwald once said, "A catalyst is a substance which alters the velocity of a chemical reaction without appearing in the final products".

- What are the biggest challenges that you have faced when pursuing your degree?

When I first started college, I could not decide on a major. I was officially a chemistry major, but I was also in the President's Leadership Program, a pre-nursing candidate, and took many courses in engineering and biology. Towards the end of my sophomore year, I finally decided on a biology major and a chemistry minor. Although this experience allowed me to have a diverse background, I spent lots of time and energy towards completing requirements for several majors at once, which was challenging.

- What has been the most meaningful activity/involvement from the past few years?

My most meaningful activity was my summer research internship at Mayo Clinic Rochester because it helped me determine that I have a strong interest in medical research and tissue engineering. The internship not only gave me an opportunity to explore new research fields, but also gave me confidence in my abilities as an undergraduate researcher and inspired me to take on new experiences like attending national conferences and giving research talks!

I would like to thank Chemistry Club for inviting me for this interview! I hope this is helpful, please reach
out if you have any questions!

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B M M U E A L M I M D T M C L M M T C E R E S B T M P M
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SCAN ME FOR THE ANSWER KEY

Actinium
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Antimony
Argon
Arsenic
Astatine
Barium
Berkelium
Beryllium
Bismuth
Boron
Bromine
Cadmium
Calcium
Californium
Carbon
Cerium
Cesium
Chlorine
Chromium
Cobalt
Copper
Curium
Dysprosium
Einsteinium
Erbium
Europium
Fermium
Fluorine
Francium
Gadolinium
Gallium
Germanium
Gold
Hafnium
Helium
Holmium
Hydrogen
Indium
Iodine
Iridium
Iron
Krypton
Lanthanum
Lawrencium
Lead
Lithium
Lutetium
Magnesium
Manganese
Mendelevium
Mercury
Molybdenum
Neodymium
Neon
Neptunium
Nickel
Niobium
Nitrogen
Nobelium
Osmium
Oxygen
Palladium
Phosphorus
Platinum
Plutonium
Polonium
Potassium
Praseodymium
Promethium
Protactinium
Radium
Radon
Rhenium
Rhodium
Rubidium
Ruthenium
Samarium
Scandium
Selenium
Silicon
Silver
Sodium
Strontium
Sulfur
Tantalum
Technetium
Tellurium
Terbium
Thallium
Thorium
Thulium
Tin
Titanium
Tungsten
Uranium
Vanadium
Xenon
Ytterbium
Yttrium
Zinc
Zirconium