

The Health Council of Marin

Minutes of Regular Meeting: Tuesday, February 22, 2022

Meeting via Zoom; the meeting was recorded

Members Present: Ginger Souders-Mason (President), Roberta Anthes, Connie Barker, Kevin Hogan, Bobby Moske, Jennifer Rienks, Sandy Ross, Barbara Wientjes.

Members Absent: Christopher Murphy, Loretta Rogers (Secretary), Derice Seid Tao.

Guests: Mary Beth Brangan, James Heddle, Valeri Hood, Katharina Peterson, Vicki Sievers.

Handouts: *Agenda* and the following links:

<https://www.researchgate.net/profile/Patrick-Hogan-7/research>

<https://www.linkedin.com/in/phogan/>

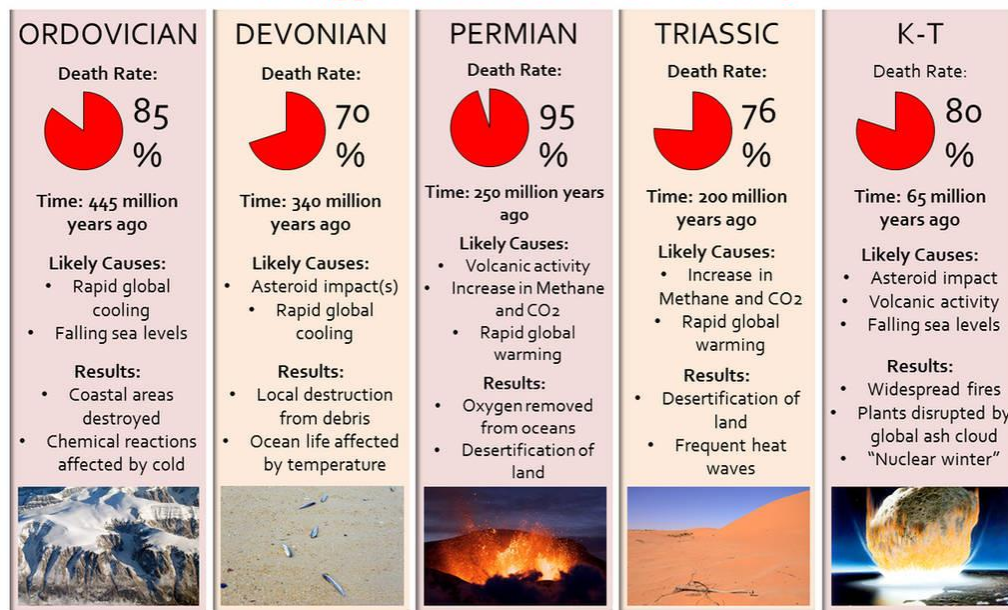
<https://www.facingfuture.earth/arctic/>

<https://www.facingfuture.earth/meat/>

1. **Call to Order:** President Ginger Souders-Mason called the meeting to order at 7:30 pm, a late start due to Zoom difficulties. President Souders-Mason moved that we amend the agenda to allow our guest speaker to speak first and then resume the rest of the agenda. Motion seconded and passed.
2. **Presentation: “Life on Earth, A Finite Time,” by Patrick Hogan,** NASA Earth Scientist Emeritus, and manager of NASA WorldWind, the virtual globe project. Kevin Hogan introduced his brother. Patrick shared his screen and reported the following:
 - The *bad news* is that, based on the condition of the planet, we do not have a lot of time. The *good news* is that the Universe will be safe as *Life* self-corrects.
 - It’s been 14.7 billion years since the Big Bang. The ever-expanding Universe is full of dark energy (68%), dark matter (27%) and ‘normal’ matter that we see (<5%) and will continue to expand indefinitely.
 - Our Solar System and Earth formed around 4.5 billion years ago (bya). Life on Earth began in the oceans around 3.5 bya.
 - There have been 5 great extinction events: Ordovician, Devonian, Permian, Triassic-Jurassic, Cretaceous-Tertiary (K-T). Ours is the most recent and demonstrates a greater rate of extinction than any other. Within the past few decades, we have lost 28% of Earth’s species. Extinction is normal, but our rate of extinction is 1,000-10,000 times higher than the natural rate.

MASS EXTINCTIONS:

The biggest disasters in history



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- The main threats to our existence are habitat degradation, loss of habitat, climate change, invasive species, pollution and disease. Pollution from the petroleum and meat industries is causing great harm to life on Earth. These threats have to-date resulted in the loss of 41% of our insect life and 22% of our vertebrates, and 200 species become extinct each day.
- The Earth is getting hotter, causing climate chaos. The rate of this global warming is equal to 500,000 Hiroshima bombs
- The oceans have absorbed >90% of industrial heat, but they are at their limit. The ocean absorbs about 90 billion tons of carbon per year, which is 25% of CO₂. Plants absorb 25% and the atmosphere absorbs 50%.
- Societal collapse is normal; all human societies have collapsed. Humans, on-sum, are bad actors. The main drivers of our collapse are over-consumption of resources, inequality, oligarchy, and centralization of power serving greed. The average number of years for a civilization before collapse is 225-325. Our 'Industrial Age' is just about there. [Our current Anthropocene Extinction.](#)
- Human actions have created a feedback loop. Jeremy Grantham (*Bloomberg*, Jan. 6, 2022) projects a stock market crash due to a super-bubble caused by overvalued stocks, and the increasing rate of climate change, floods and drought.
- Arctic sea ice continues to decrease; it's now at less than 25% of its original volume. Ice thickness is breaking up fast; it's now at only 1 meter when

normal thickness is 3-5 meters. Sea ice volume is on a death spiral. Land and ocean temperatures are going through the roof!

- The Arctic, which serves as the Earth's air conditioner, is warming 3x as fast as the middle latitudes. The Arctic's Jet Stream, depends upon a high contrast of temperatures, cold Arctic, much warmer mid-latitudes. With the arctic now much warmer than before, the Jet Stream is no longer stable. This is facilitating climate chaos— severe storms, droughts, increasing wildfires and monster hurricanes will continue to increase exponentially. Already half of the trees in California are dead, despite still standing.
- Methane: Twelve thousand years ago, the end of the last Ice Age released methane which made craters in the Barents Sea floor. Today methane is coming from the melting permafrost, rice paddies, and peat lands. Methane is 80 times more potent Green House Gas in terms of heating. Since the Industrial Age, 1750, carbon in the atmosphere has doubled and methane tripled.
- Natalia Shakhova, the world's expert on Arctic methane, says there's 1500-2500 billion tons of methane in the Eastern Siberian Arctic Shelf alone. A 50 gigaton burst is well within the realm of possibility—this is only 1-2% of what is there and is equivalent to 5x the current CO2 in our atmosphere. [If this burst happens](#), nothing can stop extinction of *all* life on Earth. It would take only months of severe storms to shred our power grid. The cratering on land in the Arctic Circle is already generating hundreds of Pingos. *Far more* methane is stored beneath the Arctic Ocean than on land.
- Twenty of the warmest years have occurred in the last 22 years. The last 6 have been the warmest of all.
- Patrick recommends reading [The Fatal Species—From Warlike Primates to Planetary Mass Extinction](#), by Andrew Glikson.

3. Questions and Answers:

- **Sandy Ross** stated her concerns about insects going extinct. She asked Patrick to send her some information proving the severe decline in insect populations to use in conversations with E.O. Wilson. Patrick said yes, and suggested Google as well. He mentioned that the bee population has been decimated, and 3G and 5G have contributed to this decline.

- **Mary Beth Brangan** noted the flourishing of complex life after the Permian extinction. Patrick said the next extinction could knock us out because the power grid will fail and we won't be able to shut down our nuclear reactors in time. We'll be left with a sterile planet; there won't be a microbe left.

- **Valeri Hood** asked about HAARP and geo-engineering. Patrick said he had no info on HAARP and that geo-engineering as a solution can do some good and some harm—but these solutions are driven more by profit than remedy.

- **Barb Wientjes** recommended the [NOVA episode](#) on Siberian sink holes that detailed how million-year-old sequestered methane from the last ice age could explode. Patrick said that it would come up through the melting permafrost.
 - **Sandy Ross** asked if Patrick had a supply of food and medicine. Patrick said no, people with guns will take whatever you have, so it's not worth it.
 - **Ginger Souders-Mason** asked if this extinction will happen very soon. Patrick said, at first, he thought it would be around 2030, but now he fears it could be sooner. The methane is only 50-60 meters beneath the Arctic Sea. When the seafloor bursts begin to happen, it will be big news. From there, we will only have months before societal collapse, followed soon by extinction. We'll see it coming!
 - **Bobby Moske** apologized for his late arrival and said he'd just been to Marin Health Hospital for a work-up for Covid. He's negative, but has all the symptoms of Covid. Feel better, Bobby!
 - **Ginger Souders-Mason** asked how Patrick can teach children about climate chaos. Patrick said he doesn't teach climate chaos to children; he emphasizes the beauty of life, tries to strengthen their character and independence so that they can make the most of their time ahead.
 - **Barb Wientjes** suggested that adults really need to get access to this information.
 - **Sandy Ross** pointed out that hoarders have created an imbalance in society.
 - **Jim Heddle** asked if Patrick could explain further the nuclear reactor issue. Patrick said if methane pops, it will cause dramatic climate chaos. Storms will shred the infrastructure (delicate power grid) and shut down society. Nuclear reactors need well over a year to shut-down. Super storms and intense warming, loss of the power grid, will render the shut-down mechanisms in nuclear power plants unworkable—leading to the China Syndrome. He recommends the 4th generation nuclear plants as they use nuclear waste to run, are smaller units and produce only 3% of the waste that current plants produce. They also safely shutdown, by simply turning them off, no China Syndrome!
 - **Mary Beth Brangan** mentioned that the 4th generation plants ([Gen IV](#)) are still in the design phase and that it's an incorrect assumption that they won't melt down. There are still serious questions about them. Patrick responded that they indeed are far safer and cannot melt-down. The technology is proven, but the technological hurdles of building them to scale have yet to be dealt with.
4. **Public Comment Time: President Souders-Mason** asked if any members of the public had comments. They were given three minutes each:

- **Vicki Sievers**, San Rafael resident, retired teacher and outreach worker to the EMF Safety Network, asked the Council to appeal to the Board of Supervisors to question public health measures recommended by the CDC (and subsequently Marin's health officers), since it is evident that the CDC is a captured agency like the FCC.
 - **Valeri Hood** expressed concern for First Responders who are finding vaccinated people having heart attacks, strokes, suppressed immune systems, and other ailments, including death, as side effects of the vaccines. She mentioned that pilots are also being affected, and that her son fell ill after his third injection. She said the tragic consequences of the vaccine have left many with severe damage.
 - **Mary Beth Brangan** urged the Council to let the Board of Supervisors know that there is opposition to the mask mandates for school children. The CO2 trapped in the masks is six times higher than the healthy threshold. She cited a German study of 25,000 students that indicated that masks harm children, and that 68% were adversely affected.
 - **Katharina Peterson**, a healthcare practitioner and twenty-year Marin resident, agreed with Mary Beth and said the vaccine adversely affects children and adults, particularly with Bell's Palsy and anaphylactic shock. Other serious concerns are PTSD, depression, anxiety, and mobility issues in the elderly. She suggested forming a task force program to increase mental health treatment in Marin.
 - **Jim Heddle** cited a Canadian study that found seven out of ten deaths were from the vaccine. Fully vaccinated children were three times more likely to die from the vaccine. He said the vaccine is causing Vaccine Associated Enhanced Disease, whereby a vaccinated person gets a more severe case when exposed to the second shot
 - **Jennifer Rienkes** requested that the speakers provide links and data supporting their points. If the Council is to appeal to the Board of Supervisors, we would need proof. She said she would forward any links in the chat to the councilmembers and that we could save them to our computers as well. She urged the councilmembers to read them thoroughly as at least one of the JAMA studies mentioned has since been retracted.
- 5. Resolution Regarding Tele/Video-Conference Meetings During the Covid-19 State of Emergency.** **Ginger-Souders Mason** moved that we vote on the Resolution. Kevin Hogan seconded. Discussion followed on the need for proof of vaccination to attend a hybrid meeting. A motion to accept the Resolution was seconded and passed.
- 6. Approval of the Minutes of January 25, 2022:**

- **Connie Barker** said she had some amendments to the January Minutes and will send them to Roberta Anthes and Loretta Rodgers.

- **Sandy Ross** said we should hold approval of the January Minutes until the next meeting when they would be updated.

7. Updates from Members:

- **Roberta Anthes** reported that the DC Court of Appeals denied the petition challenging the OTARD rule, allowing private property owners to install 5G and WiFi without permit and without notifying neighbors.

- **Vicki Sievers** said local policies would most likely have to be tested to see what rules have jurisdiction over installations.

- **Barb Wientjes** mentioned that levels of electromagnetic frequencies were up in Woodacre, while dirty electricity was low. She felt that something unusual was happening. Mary Beth Brangan suggested a possible cause could be low earth orbit 5G satellites. Sandy Ross felt the Fire Department could also be a source.

- **Bobby Moske** reported that the proposal for the South Elisio nursing home conversion to supportive housing for the homeless had passed despite opposition. He said he had not seen the types of problems expressed by the opponents in other similar developments and felt that any problems that arose would be solved on site. Kevin Hogan asked if the county has bought the building and Jen Rienkes said she thought the state had given the money for Project Homekey.

- **Katharine Peterson** mentioned that, as an EMF sensitive person, she has felt increased sensitivity along Sir Francis Drake Boulevard near Greenbrae and also through Ross, Kentfield and the Bon Air Shopping Center area. She thought maybe new light installations were a possible source. Ginger Souders-Mason mentioned that she'd investigate the source.

- **Barb Wientjes** said that Eric Windham, an EMF expert, will be our next speaker.

- **Ginger Souders-Mason** recommended the book, *United States of Fear* by Mark McDonald, MD.

8. **Adjournment:** **Ginger Souders-Mason** moved to adjourn. The motions was seconded and passed. The meeting ended at 9 PM. The next meeting will be on March 22, 2022.