

TWENTY-EIGHTH DAY

Monday, March 9, 2020

The Senate of the Thirtieth Legislature of the State of Hawai'i, Regular Session of 2020, convened at 11:38 a.m. with the President in the Chair.

The Roll was called showing all Senators present with the exception of Senators Gabbard and Harimoto who were excused.

The President announced that he had read and approved the Journal of the Twenty-Seventh Day.

At this time, Senator Keohokalole welcomed a group of students from Kailua High School's leadership program, who were seated in the gallery with student activities coordinator Sheri Hanoa.

Senator Chang honored Ray Aivazian III, Sophia and Lucas Magel, and Scott Kunihiro, and presented the following remarks:

"Colleagues and guests, a great amount of microplastics end up on our shores every year. They produce poisonous gases, leach toxins, and are harmful to us, animals, and our environment. Kailua resident Ray Aivazian III is a former combat engineer who served eight years active duty in the Marine Corps. He was stationed at Camp Pendleton, California, from 2009 to '13, and here from 2013 to '17. Before he retired from the Marines, Ray purchased a house because he wanted to make Hawai'i his home as he loves this land and the people who inhabit it. After the Marines, Ray immediately immersed himself in school and began his journey in attaining a degree in global environmental science through the University of Hawai'i. It was at UH that he started getting more involved in different outreach programs, clubs, and giving back to the community, and it was at a beach cleanup where his new adventure really began.

"Distressed by the amount of debris on our shores and armed with an engineering background, Ray designed an invention for removing microplastics from our beaches called a buoyancy separation device. His invention—constructed of easily attainable materials—was made available online for others to replicate. After realizing that more was needed, Mr. Aivazian created a new methodology for assessing shoreline marine debris accumulation and found a way to separate small pieces of wood, leaves, and grass from the collected microplastics using an underwater vacuum chamber. Through these novel approaches, Mr. Aivazian was able to quantify microplastic particles that had never been observed or removed before. He then went on to create a STEM-based curriculum for different grade levels which allows keiki to create a buoyancy separation device, participate in a beach cleanup, extricate natural and synthetic material in the vacuum chamber, and then separate it into different size categories to add to our understanding of shoreline marine debris accumulation. This curriculum is allowing students to learn first-hand about the science of the sea and the severely detrimental impacts of microplastics. Mr. Aivazian received the Sherwood Maynard Award from the University of Hawai'i for the Marine Option Program Symposium project with the largest oceanic impact.

"After reading about Mr. Aivazian's mission and his inventions, Lucas and Sophia Magel, Haha'ione Elementary students, were inspired. The siblings created a slideshow that they presented to their school's PTSA, requesting funding for materials to build a few of Mr. Aivazian's devices with their classmates. They were articulate, informative, and confident in what they were proposing. The PTSA was impressed and awarded Lucas and Sophia the funds. Using Mr. Aivazian's

blueprint, and with guidance from Haha'ione STEM teacher Scott Kunihiro, the Magels set off to build the first microplastics device as a family. The first buoyancy separation device build-and-beach trial went off without a hitch. Seeing real results and realizing the impact this could make, Sophia and Lucas immediately thought about what worked and what could be improved for the next round. Sophia and Lucas then demonstrated the device to some of their classmates during a school field trip. That group beach cleanup became the first of many gatherings to come. Sophia and Lucas formally started a club called the Green and Blue Crew, which focuses on helping our oceans and our earth. The Green and Blue Crew started a new recycling program at Haha'ione Elementary, and they hope to be able to eliminate plastic forks in the cafeteria.

"Today, we honor and commend Ray Aivazian III, Lucas and Sophia Magel, and Scott Kunihiro for their work to remove microplastics from our shores. Their efforts are an inspiration to others, creating a movement to spread awareness, rehabilitate our shorelines, and make a real difference in the world. We also have with us today the following people who came to show their support: We have the parents of Sophia and Lucas, Diana Dayrit and Jon Magel; we have Lisa Jack and her children Torin and Talon Jack from Makakilo; the Surfrider Foundation; Protea Zero Waste; Lanikai Brewing; Treehouse Coworking Space; Wastewater Alternatives and Innovations; Rogue Waves; Center for Marine Debris Research; Windward Community College faculty; and University of Hawai'i faculty."

The Chair announced that the honorees would be greeted on the Senate floor immediately following adjournment.

MESSAGES FROM THE GOVERNOR

The following messages from the Governor (Gov. Msg. Nos. 3 and 621 to 624) were read by the Clerk and were disposed of as follows:

Gov. Msg. No. 3, letter dated March 6, 2020, transmitting proposed drafts amending H.B. No. 2304, H.D. 1, and S.B. No. 2860, S.D. 2, to fund the agreement concerning Collective Bargaining Unit 4, was placed on file.

Gov. Msg. No. 621, submitting for consideration and confirmation to the Hawaiian Homes Commission, the nomination of MICHAEL KALEIKINI, term to expire June 30, 2021, was referred to the Committee on Hawaiian Affairs.

Gov. Msg. No. 622, submitting for consideration and confirmation to the Hawaiian Homes Commission, the nomination of ZACHARY HELM, term to expire June 30, 2024, was referred to the Committee on Hawaiian Affairs.

Gov. Msg. No. 623, submitting for consideration and confirmation to the Hawaiian Homes Commission, the nomination of RUSSELL KAUPU, term to expire June 30, 2023, was referred to the Committee on Hawaiian Affairs.

Gov. Msg. No. 624, submitting for consideration and confirmation to the Hawaiian Homes Commission, the nomination of RANDY AWO, term to expire June 30, 2023, was referred to the Committee on Hawaiian Affairs.

HOUSE COMMUNICATION

The following communication from the House (Hse. Com. No. 354) was read by the Clerk and was placed on file:

Hse. Com. No. 354, informing the Senate that on March 6, 2020, the House disagreed to the amendments proposed by the Senate to H.B. No. 361, H.D. 1 (S.D. 2).

ORDER OF THE DAY
RE-REFERRAL OF HOUSE BILLS

The Chair re-referred the following House bills that were received:

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| H.B. No.: | Re-referred to: |
| H.B. No. 917,
H.D. 1 | Committee on Education, then to the Committee on Ways and Means |
| H.B. No. 1242,
H.D. 2 | Jointly to the Committee on Energy, Economic Development, and Tourism and the Committee on Commerce, Consumer Protection, and Health, then to the Committee on Ways and Means |
| H.B. No. 1662,
H.D. 2 | Committee on Commerce, Consumer Protection, and Health, then to the Committee on Ways and Means |
| H.B. No. 1680,
H.D. 2 | Jointly to the Committee on Technology and the Committee on Public Safety, Intergovernmental, and Military Affairs, then jointly to the Committee on Commerce, Consumer Protection, and Health and the Committee on Ways and Means |
| H.B. No. 1864,
H.D. 2 | Committee on Energy, Economic Development, and Tourism, then jointly to the Committee on Commerce, Consumer Protection, and Health and the Committee on Ways and Means |
| H.B. No. 1960,
H.D. 1 | Jointly to the Committee on Labor, Culture and the Arts and the Committee on Government Operations, then jointly to the Committee on Judiciary and the Committee on Ways and Means |
| H.B. No. 1972,
H.D. 2 | Committee on Public Safety, Intergovernmental, and Military Affairs, then to the Committee on Ways and Means |
| H.B. No. 2102,
H.D. 1 | Committee on Commerce, Consumer Protection, and Health, then jointly to the Committee on Judiciary and the Committee on Ways and Means |
| H.B. No. 2151,
H.D. 1 | Committee on Agriculture and Environment, then to the Committee on Ways and Means |
| H.B. No. 2196,
H.D. 1 | Jointly to the Committee on Higher Education and the Committee on Agriculture and Environment, then to the Committee on Ways and Means |
| H.B. No. 2323,
H.D. 2 | Committee on Commerce, Consumer Protection, and Health, then jointly to the Committee on Judiciary and the Committee on Ways and Means |
| H.B. No. 2552,
H.D. 1 | Committee on Commerce, Consumer Protection, and Health, then jointly to the Committee on Judiciary and the Committee on Ways and Means |
| H.B. No. 2682,
H.D. 1 | Committee on Agriculture and Environment, then to the Committee on Ways and Means |
| H.B. No. 2701,
H.D. 1 | Committee on Agriculture and Environment, then to the Committee on Ways and Means |

H.B. No. 2716, Committee on Water and Land, then to the
H.D. 1 Committee on Ways and Means

At this time, the Chair announced that all members were to report to the Majority caucus room after greeting the honorees.

ADJOURNMENT

At 11:47 a.m., on motion by Senator Kahele, seconded by Senator Fevella and carried, the Senate adjourned until 11:30 a.m., Tuesday, March 10, 2020.