



BE THE INSPIRATION

Ha`i Nalu

Kaua`i Hawai`i Palapala ho`okumu: `Aukake 23, 1937

Rotary Club of Kauai

P.O. Box 3911
Lihu`e, HI
96766 - 6909

Schedule of meetings and events:

May 17—20 Hawaii District Conference—Oahu

May 25 TBA

May 26 Malama Hule`ia Club Service Project

Jun 07— No Meeting
Tony Broadway Awards

Jun 14 Maceo Cantu
H.R.Y.F. Recipient of Scholarship

Jun 21—TBA

Jun 28—TBA

July 05-TBA

Mei 17, 2019

Speakers are:

David "D3" Hazlebeck III & Tiffany Cannis

Global Algae Innovations

Global Algae Innovations is developing a broad array of radical advances spanning the entire algae production process to enable economical, sustainable production of protein and biofuel commodities that will transform the world.

Our innovations significantly lower energy consumption, increase production efficiency, and are a fraction of the cost of conventional algae production technologies. Our technology provides a strong return on investment for commercial production of algal protein for human consumption and animal feed, as well as high value products such as astaxanthin, pigments, and omega-3 oils.

Global Algae Innovations has leveraged radical advances in large-scale algae production along with a systems approach and a detailed techno-economic model to develop breakthroughs throughout the entire process. We are demonstrating these advances in our operation that includes one of world's largest open pond raceways and the world's only large-scale open raceway facility utilizing power plant flue gas as the sole carbon dioxide source. We have implemented over 30 innovations at large-scale and have over 70 more on our current development map. These advances achieve orders of magnitude improvements over conventional technology, for example:

- **Raceway Design** Scalable for **100x** reduction in number of raceways ~ lower energy with **10x** reduction in volumetric flow ~ **2x** higher productivity
- **Harvest & Dewatering** **30x** reduction in harvest and dewatering energy ~ **100%** harvest efficiency with crystal clear recycled water ~ **4x** reduction in flow
- **CO2 supply** **15x** cost reduction ~ **70x** reduction in energy use ~ **15x** increase in capture efficiency ~ proven operation on power plant flue gas
- **Inoculation** **4000x** reduction in inoculum volume through contamination control
- **Drying** **10x** reduction in energy use



Old Kōloa Sugar Mill Run
Nov 09, 2019



Lights on Rice Street Parade
December 6, 2019

CLUB GOALS

YTD Goal

Membership 23 40

T.R.F.
Contributions \$3,375 \$6,000

OFFICERS:

President: Jim Mayfield
Pres.-Elect: Jim Mayfield
Vice-President:
Secretary: Tom Lodico
Treasurer: Dick Olsen
Immediate Past Pres.: Tom Lodico

DIRECTORS:

Exe. Dir.: Rick Cox
Service Projects: Tyler Chihara
Membership:
Foundations: Laurie Yoshida
Public Image:

PROGRAM & PROJECT CHAIRS:

Community: Tyler Chihara
International: Ann Hashisaka
Youth Service:
Vocational:
Club Foundation President:
Laurie Yoshida
Interact:
Youth International Exchange:

Holiday Parade:

Eileen Winters
Old Kōloa Sugar Mill Run:
Lodico/Olsen/Chihara

H.R.Y.F. :
2020 International Convention
"point person " Dick Olsen



My relationship with Rotary began as a Rotary Youth Exchange student and member of a Group Study Exchange. Later as a Rotary Peace Fellow at Duke University and University of North Carolina at Chapel Hill in 2009-11, I began a process of learning about leadership that will continue throughout my life.

On the last day of 2018, I set sail for Antarctica with 89 other women scientists from 26 countries as part of Homeward Bound, an initiative that aims to heighten the influence and impact of women in making decisions that shape our planet. On board the former research vessel MV Ushuaia, we represented the largest female expedition ever to that continent.

I was completing a year-long program designed to strengthen the inner capacity of women to lead change and impact society. This new style of leadership emphasizes empathy, respect, and vulnerability. It also accepts that we make mistakes, but that we can embrace and learn from them.

Women at the South Pole

The trip allowed me to be part of a historic shift increasing the visibility and work of women at the South Pole. Research at the pole remained male-only through the 1960s, partly on the argument that facilities did not exist to accommodate women. But we are finally breaking this "ice" ceiling.

Antarctica is also special to me because it is a scientific preserve, a continent with no owner or country. It is regulated by the Antarctic Treaty signed by 53 countries that bans military activity. This environment of peace is a Rotary dream come true.

But Antarctica also suffers from climate change. While there, we experienced glaciers retreating into the sea and penguins suffering in the rare heat of a summer day. We heard humpback whales that must make migrations of thousands of kilometers to feed in the summer. We teared up when we saw a pod of 17 orcas traveling together and feeding their babies.

Climate change

Climate change undermines human rights in parts of the world. Those who have contributed least to the problem suffer the worst impacts. Rising sea levels create harsh storms that, coupled with poor infrastructure, threaten the safety of vulnerable families in their path. Droughts are combining with poor farming practices to threaten entire food systems, causing small to struggle to feed their families. This is definitely not "fair to all concerned."

Of the things we think, say or do:

The 4 – Way Test

Is it the truth?

‘oia`i`o i keia `ōlelo?

Is it fair to all concerned?

kūpono ia kākou?

Will it build goodwill and better friendships?

kūkulu loko maika`i a me, pilialoha maka`i a`e?

Will it be beneficial to all concerned?

pono ia kākou?

“Rotary is a leadership organization”

“We’re made up of local business, professional, and civic leaders. We meet regularly, get to know each other, form friendships; and, through that, we’re able to get things done in the community”.

We meet at
Nāwiliwili Yacht Club
2494 Niumalu Road
Small Boat Harbor—Lihū`e
Noon on Fridays
Order Lunch 245-3322
Plantationcoffeecompany.com
From the website lunch menu,
call in your order.

Rotaryclubofkauai.org
lightsonrice.org
Oldkoloasugarmillrun.org
Rotaryd5000.org Rotary.org



Rotary International Convention June 1–5, 2019
Hamburg Germany
See—Rotary.org

District 5000 Conference
May 17–19, 2019
Hawai`i Convention Center
Honolulu

