

Rotary Club of Hilo



LAVA FLOW



May 13, 2016

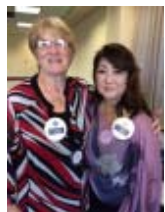
Chartered: December 1, 1920

Reporter: HRH

President Wally Wong welcomed all to the weekly meeting, noting the themes of "Be a gift to the world" and "Malama Honua" and calling on **Patti Terada** to lead us in the pledge of allegiance.



Earlier, **Cindy Boots** and **Connie Ichinose** greeted us with smiles and words of welcome.



Given the **4-Way Test**, dare we say that we sounded fabulous singing the first verse of the Doxology in Hawaiian, the singing led by **President Wally?**

President Wally then shared a quotation attributed to our speaker, **Dr. Warren Skidmore**: "There is virtually no cosmic stone that TMT will leave unturned."

Cindy Boots invited Rotarians to introduce their guests: **Wally Wong**, **Patti Terada** from Access Alarm Control Technology; **Tammy Silva**, her daughter **Kulia**; **Dirk Yoshina**, a community member exploring Rotary, **Iris Swallow**; and **Newton Chu**, soon-to-be Rotarian-**Ian Kitagawa**



and his son **Devin Chu**, soon to be an astrophysicist. Also introduced were our speaker, **Dr. Skidmore**, and accompanying astronomers/guests, **Dr. Saeko Hayashi** (a former member of our Club) and **Laura Aquino**.

President Richard recognized **Jim Cheney**, scribe, and **Bob Hanley**, photographer, for last week's issue of the Lava Flow. Thanks also went to **Tammy Silva** and **Ed Hara** for their roles in its weekly publication. Mahalo plenty!

Thanked were Rotarians and **Waiakea High Interact** students for their help with the luminaries at the Hospice of Hilo Celebration of Life on Saturday, May 7. **Gail Takaki** said she was impressed by how carefully the students put the luminaries in the water, with the older students teaching the newcomers what to do.

President Wally reported two readers are still needed in Keaau for our reading program next week and the fun of getting a signed photo from the class to which he reads. (Let **Tammy Silva** know if you're interested in reading next year.)

Also, Rotarians may want to apply for "Exempt Status" under Rotary's new guidelines for the "Rule of 85" – a total of 85 years in age and Rotary membership. Yes, **Dr. Craig Shikuma** qualified and has been granted the status. (Thanks for the donation!) **President Wally** then presented **Pete Muller's** credentials for honorary membership in our club, with subsequent unanimous approval on the motion. The Club's newest member is now **Ian Kitagawa**, with **Ian**



choosing a challenge rather than a cupcake (in the face?) from sponsor **Newton Chu**. **Newton** noted the Club will now have "an additional choice of cars to drive" and thanked **Ian** for taking on the challenge of finding and nominating someone equally qualified for Rotary within the next few months.

Recognitions

May is **New Generations** and **National Foster Care** month in the Rotary world.

President Wally thanked **Treena Breyfogle**, Chair, and her crew staffing the ticket sale on Saturday and called on **Susan Munro** for a report on ticket sales. **Treena** gave thanks for her fabulous steering committee: **Susan**, tickets; **Marcia Prose**, advertising campaigns plus the inspiration for the ticket kickoff; **Lisa Rantz**, food vendors; **Bob Hanley**, "beer boss" with help from others, including **Ian Kitagawa**; **Alan Kusunoki**, finances; **Reese Mates**, volunteers and games; **Tina Jimenez**, VIP room; **Randy Hart** and **Nina Decker**, Rotary booth; **Misti Tyrin**, sponsorships, both in-kind and cash; **Connie Ichinose**, store logo merchandise; **Donnie Demuth**, games and beer; **President Wally**, set up and take down; and **Tom Brown**, transportation. So far the Club has received **\$12,600** in cash sponsorships and **\$16,000+** via in-kind donations.

Kerry Glass, Chair, **The Rotary Foundation**, thanked **Treena Breyfogle** for contributing her time and money and recognized her support by presenting her a "**Paul Harris plus 2 pin**" with **Treena's** contribution to the **PolioPlus fund** helping the



Club achieve its goal.

Randy Hart, president-elect, encouraged Rotarians to sign up for the induction at the Hilo Yacht Club on June 28. Room capacity is 80 persons, with over 70 planning to attend so far.



Upcoming birthdays and anniversaries for the month were noted, with no special recognitions this past week.

Happy Dollars

Glenn Harris donated \$ and expressed thanks to **Theresa English**, whom he got to know through Rotary and church, and encouraged Rotarians to remember her—and possibly visit her, her health permitting.



Alberta Dobbe donated \$5 (so Las Vegas didn't get all her money!) to share that students in her kindergarten class did a hula for her and wrote her notes for reading to them this past year.



Helen Hemmes chimed in with another \$5 to laud students from Kaumana School too, with photos and thank you notes to her!



Ian Kitagawa thanked **Newton Chu** for sponsoring him along with a \$5 donation, and sponsor **Newton Chu** donated \$100 to **The Rotary Foundation** in **Ian's** name as a first step in **Ian's** becoming a **Paul Harris Fellow**.

Nina Decker donated \$5 to share the joys of owning a car--getting an oil change at **Chuck Porter's** business in Waimea, having a flat tire on the way home, and ending up with four new tires and new brakes the next day--from **Chuck's** staff--with fabulous service. She squelched the rumor of her moving to San Francisco by sharing the good news that she's pregnant and not interested in raising a child there. **Congratulations, Nina!**

Chuck Porter then rose to the occasion by donating \$100 to recognize **Devin Chu**, whom he has watched grow up over the years, and to tell a Tale of Two Women. You had to have been there to appreciate **Chuck's** talking about the "ballistic" behavior of a woman who used the carwash for her upscale car and then made an appearance in the showroom in Kona to bemoan a dirty windshield (his

Birthdays:

- Steve Handy May 2
- Stew Hussey May 2
- Connie Ichinose May 5
- Donnie Demuth May 25
- Ian Birnie May 28

Club Anniversary:

- Kerry Glass May 01 2009 (7)
- Susan Munro May 01 2009 (7)
- Mike Robinson May 21 1993 (23)

Wedding Anniversary:

- Toshi & Kahori Aoki May 01 (33)
- Nancy & Al Cabral May 01 (27)
- Gerard & Kathleen Carter May 01 (32)
- Steve & Shari Handy May 03 (18)
- Connie & Galen Ichinose May 17 (1)
- Tammy & Kala Silva May 17 (22)
- Joe & Diana Hanley May 26 (32)
- John & Anja McVickar May 29 (41)

Announcements:

- May 20 - Stephanie Nagata - Mauna Kea Management
- May 27 - Ilana Stout - Hawai'i Heritage Seed Project
- June 10 - Christine Roach - Helping Transitional Youth
- June 24 - Magin Patrick & Cliff Kama - Project Hawai'i Summer Camp
- June 28 - Rotary Club of Hilo Installation

President	Wally Wong
President Elect	Randy Hart
Immediate Past President	Richard Johnson
Vice President	Mitchell Dodo
Secretary	Susan Munro
Treasurer	Mike Robinson
Sergeant-at-Arms	Kathleen McGilvray
Membership	Connie Ichinose
Public Relations	Marcia Prose
Rotary Foundations	Kerry Glass
Club Service	???
International Service	Stew Hussey
Community Service	Reese Mates
Youth Service	Tammy Silva
Vocational Service	Biff Kennedy

video documented her actions causing the problem) and the colorful descriptions of "burnt cinnamon" (due to being in the sun) and "wild smell" of a homeless woman who would walk three miles one-way to get cat food. (Fortunately, **Chuck** got to go home to **Gay!**)

Kathleen McGilvray gave \$5 to promote the YWCA of Hawaii Island's upcoming luncheon of remarkable women, and



Dr. Saeko Hayashi gave \$8 to the **Hilo Rotary Club Foundation** for her

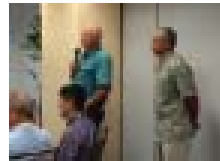


working with an 8mm telescope, Gemini.

Introduction of our Speaker

President Wally introduced our speaker, **Dr. Warren Skidmore**, TMT System Scientist, Pasadena (per his slide "Squatting in TMT-Hilo office!)

Dr. Skidmore, **President Wally** noted, has been employed with the TMT project for nearly 14 years.



"After previously carrying out research into interacting binary or Cataclysmic Variable stars he joined TMT to participate in the exploration of candidate sites around the world.



He was involved in the development of some of the telescope optic control systems,

evaluation of the operation of existing observatories and validation of the design tools being used to design the TMT."

The Program – The Thirty Meter Telescope – The Next Generation Ground Based Optical/ Infra Red Observatory – What, why and how

Dr. Skidmore noted this was the last of several presentations this week in which he has had the opportunity to connect with TMT supporters, an uplifting experience.

His talk focused on the "why" for having a thirty meter telescope (TMT) – to help provide answers to currently "unanswered questions" with today's telescopes about the evolution of the universe that began with the Big Bang nearly 14 billion years ago (more or less, 13,772,000,000 years old). Other questions "unanswerable" with today's telescopes include the following: "characterizing exoplanets (searching for the signatures of life), the source of water in the inner solar system (How did Earth get its oceans?), and star and planet formation."

Of the next big telescopes in design, ranging from the 39 meter E-ELT to the smaller 24.5 (22 meters) GMT, the 30-meter TMT is middle-sized in diameter but smallest in terms of having an imprint on the ground. The new capability of the 30-meter telescope compared to the 8 meter is its light gathering power, getting light 14 times faster.

The telescope will provide spatial resolution thanks to adaptive optics to correct the distortive aspects of the earth's atmosphere.

The combined features of light gathering power



a n d spatial resolution give greater sensitivity to objects in space can be

seen in much finer detail.

Also noted were the features of the TMT mirror, the tools of astronomy including spectrometry, astrometry, photometry, and timing, and the contributions of Don Hall with detector systems.

He noted that we want to understand the formation of our solar system and indeed Hilo's own **Devin Chu** will be using the Keck Observatory to look at the motion of stars in the Milky Way. We want to know about water and how it got to our earth, with a professor at UH-Manoa having it be the focus of her research.

In closing, he noted Hilo is a "seat of learning" for other scientific fields and ideal for astronomy as well, along with cultural values of global significance.

As his slide stated, "Scientific opportunities are AMAZING!" See <http://www.tmt.org>.

(Also of interest were the handouts dated April 14, 2016, on "What Hawaii will lose if its stops reaching out for the stars," "Educational Outreach – Program Support," and the TMT Fact Sheet, along with information on the development of 2nd generation instrumentation.)

In Closing.

Hm! **President Wally** showed a slide featuring **Sarah Palin** with a "49" shirt (for the state of Alaska, of course!) and offered a coffee mug to the person who could state the relevance of the slide. He got to keep the mug! He has 49 days left in his term as president. Well done, **President Wally!**

President Wally called on our newest Rotarian, **Ian Kitagawa**, to lead the Club in the **4-Way Test** of the things we think, say, or do, (plus #5, Have Fun!) and the meeting was adjourned.

