Reporting ZOOM Meeting of 10 May 2021

Calendar of Events

Last Week: 5/3 Club Assembly – Heroes we remember
This Week: 5/10 Future City on the Moon – MS Students
Next Week: 5/17 Town in Bloom Planting Work Night (no zoom mtg.)
Coming Up: 5/24 4-H New Building Project Discussion
5/31 No Meeting – Memorial Day Observed

Note: Regular ZOOM Meetings are held Mondays at 6:00 pm.
Check your e-mail inbox the day of the meeting for the computer ZOOM ID# and Password, as well as the phone number you can use to phone in if using your cell phone to participate.

Please give suggestions for future programs to Darlene Bower and Dan Stec.
Find us at bhblrotary.org and on Facebook

Together, we see a world where people unite and take action to create lasting change – across the globe, in our communities and in ourselves

ANNOUNCEMENTS

Gregg opened the meeting with the Rotary vision statement and Mike directed the recitation of the *Five-Way Test.*

- ✓ Mary Anderson reviewed plans for Town in Bloom planting on May 17th. She will have all of the plants in place for planting by 5 pm. Planting locations are: Library, Barrels on Kingsley Rd., Town Hall, North Sign, South Sign, and CHS/Captain. Members have been assigned to each site. Participation by friends/neighbors is encouraged. A pizza tailgate party to be held at the south sign planting location at 6 pm will celebrate planting completion.
- ✓ Gini requested that all those participating in next week's Town in Bloom planting take pictures of their work areas and send them the next day to her for next week's Rotateller.
- ✓ Gini reminded members to donate to our weekly Operation Hunger.
- ✓ Gregg noted that 120 of the Spring Dinners ordered were donated by our members *to the community*, 3 of whom face life-threatening illnesses. He said that several were "met with tears of gratitude".
- ✓ Laura Lee mentioned the 4-H Walkathon to be held on 22 May, suggesting that club participation be planned at the TIB pizza party.
- ✓ Gregg reminded us that the monthly Rotary BOD Zoom meeting will be held on Thursday, May 13 from 4:30 – 6 pm. He encouraged interested members to attend. Discussions about whether Changeover Night could be held in person are under way. Gregg will distribute an email questionnaire to all members for their input regarding both indoor and out- of- door future meetings.
- ✓ Jon listed nominations for the next Rotary year's officers and BOD members. All were elected by acclimation.
- ✓ Gregg requested that everyone send their birthday dates to him.

SPARTEMIS - A CITY ON THE MOON – O'Rourke Middle School Students

Mary Anderson introduced ***Katie Duell***, O'Rourke Middle School teacher and "Future City" co-advisor. She led this student team to their first-place win at the annual Regional Future City Competition and to their fifth place in the Nationals where only 5 teams (from 42 around the globe) are chosen. Under her 9-year leadership, her students have made it to the Nationals for the last five years. This is the *second year in a row that they have placed in the top five,* something no other school in the entire upstate NY region has ever done. "Future City" is an annual international contest for middle schoolers starting with the question, "How can we make the world a better place?" Requirements include a 1500-word researched and documented essay, model building, and a video presentation. This year they received Regional awards for best video presentation, best essay and best modeling. A special national competition award has already been given – "Spartemis" was named "The City That Best Incorporates Cultural and Historical Resources".

Katie introduced us to three students - Sabine Adams, Miles Bechtel, and Sawyer Brannigan from the team in a 7-minute descriptive video. They showed through models and scientific explanations how they would make it possible to thrive in a self-sustaining society of thousands on the moon surviving on the moon's resources.

To do this, they had to choose an appropriate lunar location (Amundsen Crater) with resources and protection. Their description of lunar life included residential, commercial and hi-tech industrial zones, transportation systems, green space and roads, and an interconnecting gondola system to connect oxygenated hubs. Health issues were addressed taking into account 1/6 earth gravity, police and fire departments, schools, hospitals, energy, food, housing, transportation, and all other essential needs.

Moon challenges such as weakening bones and muscles in the 1/6 gravity are overcome by tension exercises, weighted clothing, calcium supplements, inverted exercise bikes and attached health monitors. Toxic Regolith (moon dust) presents challenges and opportunities.

Rechargeable Lithium-Air battery powered LILAC robots extract ice to liquefy and purify water. Oxygen is extracted from regolith, algae and green spaces. Lunar resources are the regolith dust and lunar ice deposits at the south pole. Advanced nuclear fusion and solar panels provide energy.

A lively discussion took place after the presentation, with questions from several of the scientist members of the club which the students answered clearly and with composure. Judging from these bright, articulate, dedicated young people, the future of our world is bright. With teachers/mentors such as Katie Duell bringing out their best, our kids are in good hands!

Cheers and well done to an amazing team!

Reported by Gini

REMEMBER OPERATION HUNGER

SERVICE ABOVE SELF