

MIDLAND KIWANES



Kiwaniis®

President: Cathy Devendorf
Secretary: Richard Kopple
President Elect: Ralph Wirtz
Treasurer: Cheryl Whitman

Location: Valley Plaza, The Great Hall
Time: Monday Nights, 6:00 PM

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www.mi.kiwanisone.org
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President Cathy opened the meeting at 6:30 PM.

Program Next Week: April 30–Bev Wensel, The Rock

Program Upcoming Meetings:

May 7: Honors Banquet (no formal meeting)
Great Hall, Keynote Speaker: Sarah Lincoln, Calhoun
Circuit Judge (Earl Soules' daughter)

Committee Meetings this week: Stand-Up Camp Neyati

Committee Meetings next week: None

Secretary's Report:

- Monthly Reports Due
- Justine Arvizu resigned due to work schedule
- Jack Higgins, Kiwanis long-time Secretary passed this weekend

Anniversary: Lyle Bitler, Charlie Nielsen

Birthdays: Ed Suderman, LeRoy Hampton, Kevin Shaughnessy

Guests: None

Announcements:

- **Carl:** May 7 is Honors Banquet at Great Hall. He distributed a volunteer signup sheet. Are any Midland Kiwanis members planning to attend? Meal signup sheet will be passed next week. If you want to attend but can't attend next week, please email Carl.
- **Cathy:** Pink buckets are out – "Give 'til it hurts!" As Earl would say.
- **Donna Jo:** Nominations for 2018-19 Board.
 - Unfilled Director Class of 2019: Gordon Rousch
 - Unfilled Director Class of 2020: Randy Ransom
 - Director Class of 2021: Carl Edmunds (1st term)
 - Director Class of 2021: Charlie Nielsen (2nd term)
 - Treasurer: Cheryl Whitman
 - President-Elect: Cal GoedersNo nominations from the floor. The slate was approved unanimously.

50/50: 2nd place was John A., Grand Prize went to Tom D. who has the pleasure of hosting the next (5/14/18) contest!

Happy Dollars:

- **Cathy:** Thursday and a number of Kiwanians attended the West Midland Family Center Awards Dinner to witness Midland Kiwanis member, Earl Soules, receive their Phyllis Breedlove Friend of WMFC Award. Earl has had a 10 year commitment to WMFC and been the Project Manager for their 3-year building expansion project. CONGRATULATIONS EARL!

Program: A H Nickless Innovation Competition
Competitors from H H Dow High School – Julia Fu, Derek Yan, Brandon Zhu (2 other team members were unable to attend due to a national DECA competition in Atlanta).

Charlie N. explained the Competition process. The students completed an application outlining a concept and \$1,000 was awarded to those accepted for prototype building materials. The concept must be saleable, with a marketing plan to introduce the product and a 10 minute presentation including impact, scope, what was done to develop the product and how they would market the product.

Julia shared that 19.5 million infants around the world need medical care and the current refrigeration systems used to transport medicines only last 5 days.

Organizations (i.e. Red Cross, World Health Organization, UNICEF, etc.) involved with medical care for those in third world countries have expressed a need for longer refrigeration and low maintenance systems.

Brandon indicated that they reviewed a variety of technology systems for their Portable Vaccine Absorption Refrigerator System (PVARs) based on functionality.

Derek said a combination of methods was chosen for the backpack system...solar for day hiking and propane for night/bad weather hiking. Testing showed that this combination of methods allowed solar generated refrigeration when carrying during day and propane generated refrigeration when carrying at night/bad weather. This increased the effective refrigeration from 5 days to 6 - 16 days depending on what is being transported (vaccine, blood and even organs) in the backpack system. It has huge potential for needs of third world countries as well as the military and during natural disasters, etc. around the world.

A Michigan official is quoted as saying “This is a game changer.”

There is no direct completion with the same results. The team has met with the Mid Michigan Innovation Center to learn about further development opportunities. They are all seniors and will be going in different directions so they’re not sure they’ll have time to continue with the project.

During Q&A it was noted that temperatures in their 1 cubic ft. backpack refrigeration system range from 2°–8°C and weighs about 30 lbs.

The team developed a motto of
“Care - Carrying – Cure”

which translates to

“Countries – Continents - C’s (Seas)”

Thank you to this phenomenal Dow High Team and to Charlie N who spends hours each week at Dow High with the Science teachers and students in the classrooms and after school clubs and activities.

Thank you also the STEM Committee (Cal, Gray and Charlie) for bringing us great programs all year.

Meeting adjourned at 7:10 p.m.



(L-R) Derek Yan, Brandon Zhu and Julia Fu

