



December 7th, 2021  
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## 2020-2021 Officers and Directors

George Van Schaick, President  
Bev Tonkinson, President Elect  
Rob Wolfson, Past President  
Dale Perret, Secretary  
Al Holt, Treasurer

Syed Ahmed, International Service  
Dean White, Youth Service  
Neil Beatty, Community Service  
Bruce Bohnet, Club Service  
Sandy Swan, Club Operations  
Garth Plunkett, Club Financial

RI President Shekhar Mehta  
Rotary Club of Calcutta-Mahanagar, West Bengal India

District 5360 Governor Martin Parnell  
Rotary Club of Cochrane

## Rotary on the Move/ZOOM Meeting

November 25th, 2021

Rob Wolfson warned everyone the meeting was about to start, and to go get some wine and snacks, and then started the in person meeting at Roots2STEM with 24 in attendance, with 6 ZOOM attendees responsible for their own refreshments. He called on John Charrett to provide the opening remarks and introductions. The first speaker was Fairview student Dennis with his mom Marianna, the second was and R2S volunteer Sydney, a geology student. Following Dean White's presentation, there was a tour of the facilities ... including Rob walking his iPad around for the ZOOM participants.



### John Charrett

As the chair of the Mentoring Program, it gives me great pleasure to invite you to this marvelous facility and to learn how students from Fairview Junior High School benefit from STEM education. STEM stands for Science, Technology, Engineering and Math. Education that is becoming increasingly important in today's society. To quote the Globe and Mail in a report by Let's Talk Science:

"Less than half of Canadian high school students graduate with senior STEM courses, although 70 percent of top jobs require expertise in science, technology, engineering and math."

This is no more important than here in Calgary where there is an increasing number of high tech companies moving to the city.

As a way of introduction, the Mentoring Program is one of several Youth Service programs offered by the Club. Others being the sponsoring of three Interact Clubs for students between the ages 15 and 18, located at Henry Wise Wood, Dr E.P. Scarlett, and Strathcona Tweedsmuir high schools. Another is the RYLA program, an acronym for Rotary Youth Leadership Awards, for students who are ready to discover their leadership potential, and another is a bursary to a student at each of the city high schools awarded on the basis of financial need, community involvement and outstanding achievement.

Our mentoring program is a key part of the partnership we have with the Fairview Junior High School. A partnership that started 25 years ago when the Chinook Club member and volunteer Ron May, who was previously Principal at the school, engaged the club in an educational partnership with the school. Since then the students have been involved with RYPEN standing for Rotary Youth Program of Enrichment, for students between the ages of 10 and 12, and the Mentoring Program that started in 2014.



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This Program provides an opportunity for participants to improve their social skills, self-esteem and confidence. Through guided activities at Roots 2 STEM, participants have the opportunity to take risks, express themselves and experience success in a safe, judgement free environment. Students are challenged with STEM projects and through experiential learning become problem solvers.

Who takes part in this program? Up to 15 students who in the opinion of the school would most benefit from the program. They are picked up by bus from the school and taken to the Roots2STEM campus for 2 hours of STEM instruction every second Friday from January to May. That is, 10 classes in total. The school is a very important part of the process. We are very fortunate to have with us here this evening, Therese McCoag, who as Rob mentioned is the principal at the Fairview Junior High

School. Therese makes sure all resources at the school necessary to make the program a success are available.

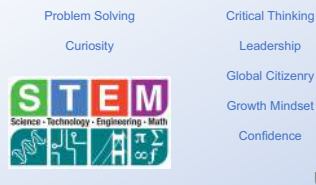


The program wouldn't happen if we didn't have financial support. Anthony Tonkinson, a past President and past Secretary of the Club will come up and explain how funds from the Club and money from our fundraiser RibFest help support the program.

I would now like to introduce our host, Dean White, member of the club and founder of Roots2STEM. Dean was a Principal  
*cont'd on page 3 ...*



## 21<sup>st</sup> CENTURY WORKFORCE SKILLS



## WHO WE ARE



**Roots 2 STEM is a non-profit** educational organization inspiring and sharing the passion of STEM

Started in September 2014, reaches over **1600 students** on average a year



## LAB OF DISCOVERY

- 7,100 sq. ft. facility
- State-of-the-art tools & technology
- Customized projects



## STEM Education

The **need** for inspiring students in STEM education has never been greater.

"Less than half of Canadian high school students graduate with senior STEM courses, although 70% of top jobs require expertise in science, technology, engineering and math."

*Report by Let's Talk Science - The Globe and Mail*

**Education Transforms Lives!**



## WHY NOW ?



- Lack of qualified STEM instructors & programs
- Minimal access to tools & technology
- Few hands-on programs, lack of depth
- Limited awareness of STEM opportunities

## OUR UNIQUE APPROACH

STEM (science, technology, engineering, math)



## Roots 2 STEM PROCESS

- Engineering design process
- In-depth programs
- Lower student teacher ratio
- STEM instructors, mentors & volunteers



## Roots 2 STEM PROGRAMS

- Junior Engineers
- Aerospace Academy
- Summer Camps
- Maker Faire
- Mentoring (Rotary)
- School Programs
- EMF Science Centre
- SPACE Camp
- Chinook Rotary Programs



## CHINOOK ROTARY CLUB

- History of Chinook Club
- Youth Services programs
- Fairview School Educational Partnership
  - Fairview School mentorship focus
  - Criteria



## PARTNERSHIP WITH R2S

- Rotary International supports non-profit organizations
- Sustainable signature youth program
- Roots 2 STEM Awards



## ROTARY & R2S PARTNERSHIP

- Ongoing mentoring program with Fairview School
- Teacher selected students
- Supported by Rotary mentors
- Experiential learning projects
- Confidence and self-esteem
- Friendships through team-work and collaboration



## R2S CHINOOK ROTARY PROGRAMS



- Ongoing stem program with under-served youth
- Advanced STEM
- Partnerships
- Experiential learning projects



## Roots 2 STEM Volunteering



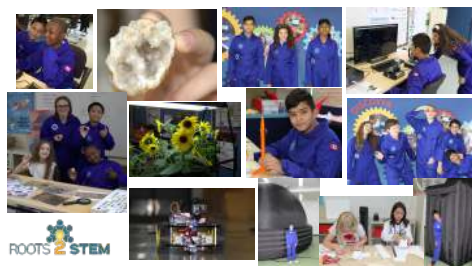
- R2S Volunteer onboarding
  - Training
  - Volunteer handbook
- Opportunities
  - Leadership
  - Networking
  - Learning new technologies
  - Opportunities
- International
  - English
  - Internship



Space Camp



Engineer with Shaw Communications whose career took him to the US, northern Canada, Aberdeen, Harlem, Amsterdam, Tunisia, Libya and Nigeria. If you ply Dean with a beer afterwards, he will tell you how he was kidnapped in Nigeria. Upon retiring, Dean started Roots2STEM out of his own resources, focussing on STEM education. First at a facility southeast of here, and now at this larger 7700ft2 facility.



## GROWING COMMUNITY PARTNERSHIPS

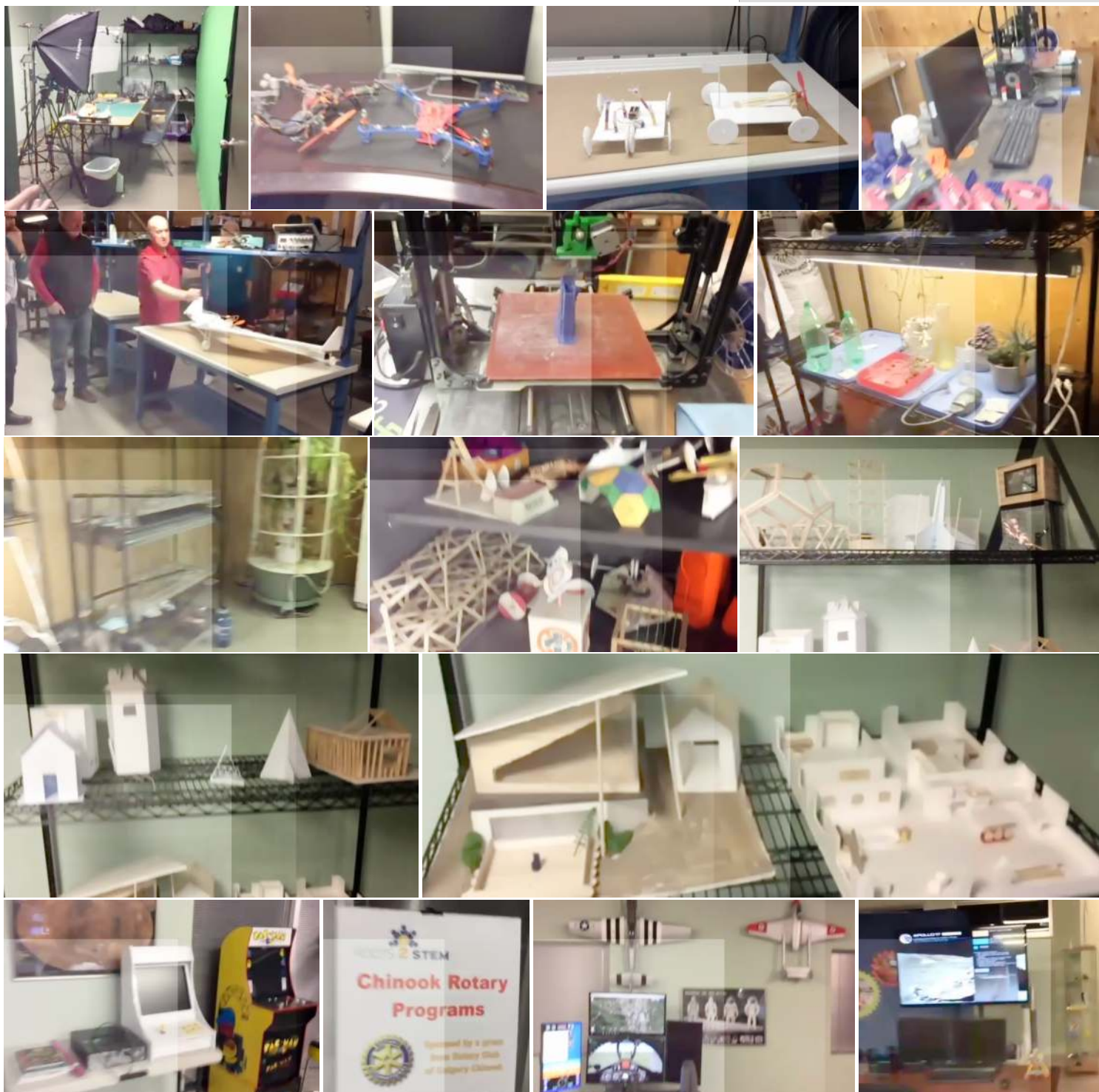
- ✦ Rotary Clubs
- ✦ Schools
- ✦ Industry
- ✦ Higher Learning Institutes
- ✦ Government
- ✦ International



### Sponsoring youth from all demographics



Dean White, P.Eng.  
CEO & Founder  
Tel: 403-257-4200  
Email: dean@roots2stem.ca





## Disease Prevention and Treatment Month

December 7th

In-person Meeting at the Carriage House !!

AGM & Election of President Elect & 3 Directors

Speaker: Bart Dailley — The History of Christmas

December 21st

Club Assembly — Directors' updates

2022

## Vocational Service Month

January 4th

Diane Stevenson, Life Coach — New Year's Goals



## Did You Know, or May Wish to?

*Jim Thompson, President 81/82, Charter Member*

The History of our club has been maintained from our chartering in 1977 through to date.

Initially, the collection of documents, correspondence and annual financial data, along with District newsletters and club newsletters was maintained by the individual club Presidents, or through their appointed club secretary, until 1982, when your scribe arranged to have an appointed club Historian, by accepting the role myself and maintaining it ever since.

Our first three Presidents, McLellan, Costello and Gardiner, all kept thorough record. Spokes (80/81) on the other hand, kept none or at least did not turn in any before he moved to BC. That set off an alarm, that if we didn't have a Historian, the history would not be maintained. I gathered together the records of McLellan, Costello and Gardiner, added my own and began the accumulation starting with a single file cabinet in my office, now a four double cabinet collection of the club's history. Over 40 years of diligent effort, storage for over 25 years in my office, then generously stored in the office of Moe Tynan, acting as custodian, where it remains.

Every President except Spokes, has provided a pair of binders with the club data from their year. Many others have added club banners from visits to other clubs. We have awards and citations, photos and trophies, and even the canvas from our sponsored chuckwagon in the 1982 Stampede, autographed by all the Rotarians that sponsored it! Unfortunately some of our albums of pictures have had photos removed, but our library-like system of signing out the documents being reviewed, and signing in on return, has worked well.

Technology has raised concern as to how we can continue the print style accumulation. Discs and tapes may be the future, taking up far less space, but ending the joy of looking through print records and photos in albums, the like of which few clubs have. I recall our 25th Anniversary, held at Spruce Meadows, when Marg Southern presented us with a cheque for \$25,000 as an anniversary gift. We had our entire History on display at this event, and all in attendance spent hours going through it all with obvious pleasure and wonder at the amount of historic stuff that had been quietly accumulated.

Let's keep it going!

After I collect the Presidents' records for the past couple of COVID years, **I will be stepping away from this role at the end of this Rotary year. Is there some one member, or committee, prepared to step forward to assure the HISTORY COMMITTEE continues?**

## Roses Prep Session



The draw was won by a member who was not in attendance. Rob will contact the lucky winner as usual and do the draw on ZOOM!

