

gizmo

THE TETRA SOCIETY OF NORTH AMERICA: CUSTOM ASSISTIVE DEVICES

TETRASOCIETY.ORG

<p>CAL17075 PROJECT NAME On/Off Switch for a Oral Suction D...</p> <p>PROBLEM Client had a C4 spinal injury. He has limited head movement only. He is looking for a way to turn on and off his suction machine so he ...</p> <p>SOLUTION Motor in suction machine is only 12VDC. Put a 1/8" jack in the suction machine tied to the motor +ve leads so that a switch would ...</p>	<p>CAL18003 PROJECT NAME Toilet Flush-Handle Extension</p> <p>PROBLEM The client requested an extension that would allow him to flush the toilet while seated upon it. Reaching behind himself to do so i...</p> <p>SOLUTION A handle extension was fabricated from 1/4" steel rod and other small pieces, and affixed to the toilet tank handle via hose clamp. In order to...</p>	<p>CAL15076 PROJECT NAME Gutter Crutch and Push Up Block ...</p> <p>PROBLEM The client occasionally works with paraplegic patients that are non-weight bearing on the upper extremity (hand or wrist) and ...</p> <p>SOLUTION A gutter crutch, supplied by the client, was combined with a push up block using an adjustable (telescopic) post. The telescopic ...</p>	<p>CAL16002 PROJECT NAME Visual Alarm Indicator for Respirator</p> <p>PROBLEM The project is for a facility where some clients are on respirators.</p> <p>SEARCH NOW ▶</p>	<p>CAL16006 PROJECT NAME Bowling Ramp</p> <p>PROBLEM The client runs a bowling league for people with disabilities and needed some collapsible bowling ramps.</p>	<p>CAL15081 PROJECT NAME Wheelchair Cupholder</p> <p>PROBLEM The client is a nine-year-old with cerebral palsy and spastic quadriplegia, who has insufficient ...</p>	<p>CAL14072 PROJECT NAME Enclosed Bed</p> <p>PROBLEM The client has Pitt Hopkins syndrome. This delays several aspects of development, and for his ...</p>
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NEW LOOK TETRABASE

WE'VE MADE IT EASIER TO SEARCH FOR AND ADOPT ONE OF THE MANY SOLUTIONS THAT HAVE ALREADY MADE A DIFFERENCE IN SOMEONE'S LIFE.

New Year, New Beginnings! Our Brand New, User-friendly TetraBase!

WE STARTED the new year with an exciting initiative! Our brand new database of assistive devices is much more informative and user-friendly.

Now you can find detailed information about the innovative devices created by Tetra volunteers, including how they were built and materials used. Of course, a picture says a thousand words, so we made sure to include as many images as possible. To find the database, simply go to tetrasociety.org and click Solutions to access TetraBase.



Find Your Local Chapter or a Virtual Coordinator for Help

The new Tetra website has a map function which makes finding a local chapter easy!

Visit our website and click the Chapters tab. Local contact information is available either by clicking on icons in the map or scrolling down the sidebar where all chapters are listed.

Help is available for neighbouring communities too!

The power of having chapters and volunteers across the country is that we can help nearby neighbours or remotely. Volunteers in Vancouver have helped clients in Smithers with an adapted foot-rest and Hamilton volunteers assisted a client in Guelph who needed an adapted crib. Simply contact the chapter nearest you or reach out to our head office and we'll connect you with a volunteer!

Thousands of assistive devices and gadgets

so they would fold away for easy storage, and were built at the correct extension and height so ...

cup holder, flexible microphone stem, and five-eighths-of-an-inch rod base assembly was ...

bed mattress, which eliminated some products on the market. We settled on a bed that would be ...

TETRA NATION

TetraNation is back! We're gearing up to celebrate all the amazing people who make Tetra possible.

The **TETRANATION 2019** campaign will run from April - October to showcase what Tetra is all about and inspire individuals with disabilities to re-imagine what is possible. Join us to celebrate the volunteers behind the inventions that make a big difference in people's lives.

Stay tuned on our social media for more information!

TETRANATION.ORG

Regina Tetra Chapter

Committed
to creating
great gizmos
and assistive
devices

IN 2003, **TERRI SLEEVA**, an avid CBC radio listener heard that Tetra Society was looking for a Chapter Coordinator in Regina. Terri explains, “in my involvement with the University of Regina students, the Regina chapter began to establish its presence in the community. Professor David deMontigny, an Engineering Professor at the University of Regina provided valuable encouragement and assistance.” Word has definitely been getting out because there are some great gizmos being created in Regina.

Identifying Tetra as a highlight in her life, Terri has hopes to make Tetra a household name in Regina! She says that the Tetra Regina team is addicted

“THE TETRA REGINA TEAM IS ADDICTED TO WARM AND FUZZIES, THE FEELING THEY GET FROM IMPROVING A PERSON’S LIFE AND THE GRATITUDE THEY RECEIVE FOR THE GIZMOS THEY PROVIDE.” — TERRI SLEEVA

to warm and fuzzies, the feeling they get from improving a person’s life and the gratitude they receive for the gizmos they provide. “Gerry Wurtak, our longest-serving volunteer, taught me that showing kindness and helping people has its own reward.” She adds, “shortly after Gerry joined, we were on our way to becoming a viable entity.



THE TETRA REGINA TEAM

Taking control of his game



TETRA REGINA VOLUNTEERS

In addition to other projects, he made five sled/wagons for children, both the children and guardians were very appreciative. One towable wagon/stroller was taken to Whitehorse by Damien Bolingbroke, one of the Engineers in our group.”

The Tetra Regina team is stellar in many ways! Last year, a sound emitting Easter egg for children with vision impairments was completed. Even though only a prototype was requested, Tetra volunteer Frank made 100 of these eggs! Currently Tetra Regina volunteers are working on a tricycle for someone recovering from brain surgery, an automatic barbecue cover, and an automatic page flipper. These are just some of the projects under way!

Terri indicates that making videos of projects to showcase their value is the next item on their agenda! “Media like the CBC plays a crucial role to advance the paramount goals of the Tetra Society of North America and together, we will make a difference in the lives of many people with disabilities.”



VIDEO CONTROLLER PROJECT FROM UBC ENABLE TEAM

The University of British Columbia’s ENABLE team worked on a video controller project with Caleb, a Tetra client who is unable to press some of the buttons on his Xbox controller due to muscular dystrophy. Josh French, a 4th year Electrical Engineering student has been involved with the ENABLE team since late 2017 and worked with Caleb on this project.

Josh explains that it was an iterative process. They started with buying a controller to open it up, and explore their options. “One of the challenges we faced was securing wires onto the existing board of the Xbox controller. Since these are commercially finished products they are not meant to be opened up and tampered with,” Josh says. “The second challenge we faced was determining the correct button placement for the client.

“I REMEMBER HIM SAYING MULTIPLE TIMES HOW HE WAS FINALLY ABLE TO DO ALL THESE THINGS WITHIN THE GAME THAT HE HADN'T BEEN ABLE TO DO BEFORE. OBVIOUSLY IT WAS A GREAT FEELING TO SEE THIS FIRST HAND.” – JOSH FRENCH



TETRA CLIENT CALEB WITH HIS ADAPTED VIDEO CONTROLLER

Once the project was completed, Caleb seemed pretty excited about the final version of the controller.

To Josh, the most rewarding part was to get to see how the device made a difference in Caleb’s life: “I remember him saying multiple times how he was finally able to do all these things within the game that he hadn’t been able to do before. Obviously it was a great feeling to see this first hand.”

While talking about Tetra’s impact to the community, Josh indicates that, it is a great chance for undergraduate students to be able to work with a client as it serves to build hands-on skills through a unique experience. “Furthermore, when the project is complete, you truly have worked to make someone’s life better.” Josh explains, “as undergraduate students, this is an unprecedented opportunity that we are very grateful for.”

INDEPENDENCE, FREEDOM & ACCESS

Tetra is a registered charity that enables people with disabilities to overcome barriers in the physical landscape. We recruit technically skilled and compassionate volunteers who work one-on-one with individuals requiring custom engineering solutions. The completed gizmos empower people with disabilities to live independent and active lives.

TETRA *Thanks!*

- Allard Foundation
- Alice and Murray Maitland Foundation
- Alliance Pipeline
- Al Roadburg Foundation
- Anna and Edward C. Churchill Foundation
- BC Rehab Foundation
- Brampton and Caledon Community Foundation
- Burgenlaender Club
- Burlington Community Foundation
- Cadillac Fairview Corporation
- Catherine and Maxwell Meighen Foundation
- Canada Post Community Foundation
- Craig H. Neilsen Foundation
- Community Foundation of Mississauga
- The Edith Lando Charitable Foundation
- Edmonton Civic Employees Charitable Assistance Fund
- Face the World Foundation
- Five B Family Foundation
- Georgina Foundation
- Government of Canada
- The Greygates Foundation
- The Guelph Community Foundation
- Halton Region
- Hamber Foundation
- Hamilton Community Foundation
- Harold E. Ballard Foundation
- J.P. Bickell Foundation
- K+S Potash Canada
- Lagniappe Foundation
- Leonard Foundation
- Quickturn Production Machining Ltd
- Pilkington-Henniger Charitable Trust
- Province of British Columbia
- Servus Credit Union
- Shoppers Drug Mart
- SurreyCares
- Telus
- UMC Charity

Abbotsford/Mission, BC
Contact head office
info@tetrasociety.org
1-877-688-8762

Armstrong, BC
Gary Arbuckle
ArmstrongBC@Tetrasociety.org
250-308-8465

Cranbrook/ East Kootenay, BC
Contact head office
info@tetrasociety.org
1-877-688-8762

Creston, BC
Andre Hebert
CrestonBC@Tetrasociety.org
250-866-5518

Fort St. John, BC
Perry Leonfellner
FortStJohnBC@Tetrasociety.org
250-264-2192

Kamloops, BC
Contact head office
info@tetrasociety.org
1-877-688-8762

Kelowna, BC
Cathy Grover
KelownaBC@Tetrasociety.org
250-863-0650

Nanaimo, BC
Contact head office
info@tetrasociety.org
1-877-688-8762

Prince George, BC
Nadine Lindstrom
PrinceGeorgeBC@Tetrasociety.org
250-562-3334

Salt Spring Island, BC
Derek Emmerson
SaltSpringBC@Tetrasociety.org
250-537-9351

Surrey/Langley/Delta
Contact head office
info@tetrasociety.org
1-877-688-8762

Trail/Castlegar, BC
Contact head office
info@tetrasociety.org
1-877-688-8762

Vancouver, BC
Eric Molendyk
604-688-6464 Ext. 117
eric@tetrasociety.org

Vernon, BC
Randy Schellenberg
VernonBC@Tetrasociety.org
250-549-2320

Victoria, BC
Chris Marks
VictoriaBC@Tetrasociety.org
250-889-1590

Calgary, AB
Tom Parks
tetralcalg@yahoo.com
403-281-7641

Edmonton, AB
Brittney Neunzig
EdmontonAB@Tetrasociety.org
780-619-2261

Lethbridge, AB
Annae Jones
LethbridgeAB@Tetrasociety.org
403-370-3057

Medicine Hat, AB
Contact head office
info@tetrasociety.org
1-877-688-8762

Red Deer, AB
Priscilla Kroetsch
RedDeerAB@Tetrasociety.org
403-877-9918

Regina, SK
Terri Sleeva
ReginaSK@Tetrasociety.org
306-545-7378

Saskatoon, SK
Contact Head Office
info@tetrasociety.org
1-877-688-8762

Winnipeg, MB
Contact head office
info@tetrasociety.org
1-877-688-8762

Guelph, ON
Contact head office
info@tetrasociety.org
1-877-688-8762

Hamilton-Halton, ON
Sylvia Baliko
HamiltonHaltonON@Tetrasociety.org
905-512-3322

Kingston, ON
Nicole Cromwell
KingstonON@Tetrasociety.org
613-547-4242

London, ON
Hui Violet Tan
LondonON@Tetrasociety.org
519-690-1133

Ottawa, ON
Paul Marriage
OttawaON@Tetrasociety.org
613-857-4886

Peel Region, ON
Scott Capper
PeelRegionON@Tetrasociety.org
647-761-9734

Metro Toronto, ON
Wayne Smith
MetroTorontoON@Tetrasociety.org
416-407-7009

York Region, ON
Randy Kells
YorkRegionON@Tetrasociety.org
647-618-1530

Trenton, ON
Contact head office
info@tetrasociety.org
1-877-688-8762

Windsor, ON
David Harshaw
WindsorON@Tetrasociety.org
519-818-4187

Montréal, QC
Contact head office
info@tetrasociety.org
1-877-688-8762

Fredericton, NB
Sandra Ware
FrederictonNB@Tetrasociety.org
506-471-0937

Halifax, NS
David Beattie
HalifaxNS@Tetrasociety.org
902-453-6000 ext. 233

St. John's, NL
Dr. Leonard Lye
StJohnsNL@Tetrasociety.org
709-753-0733

Los Angeles, CA
Dr. Sam Landsberger
slandsb@exchange.calstatela.edu
1-877-688-8762

Salt Lake City, UT
Kent Remund
kremund@gmail.com
801-448-6107

Columbus, OH
Russ Weir
weir.russ.linda@att.net
1-877-688-8762

TETRA SOCIETY OF NORTH AMERICA

DEDICATED TO ASSISTING PEOPLE WITH DISABILITIES TO ACHIEVE AN INDEPENDENT AND FULFILLING LIFE, ONE ASSISTIVE DEVICE AT A TIME

Have an idea for a project? Want to know what's possible? Want to overcome a barrier?

Here's how to reach us...

T: 604-688-6464 / 1-877-688-8762 (toll-free)
F: 604-688-6463
E: info@tetrasociety.org
www.TetraSociety.org

Tetra Society of North America Suite 318 - 425 Carrall Street, Vancouver, BC V6B 6E3



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of North America