

AFTER OURS

60TH EDITION



JUNE 2022



connecting us everyday

MEET DAN RODLIE

By Michael Liddle



PLANTING THE SEEDS FOR A BLOOMING CITY

Dan Rodlie was instrumental in establishing Trail Community in Bloom, which has helped make the City of Trail greener. PHOTO SUBMITTED BY CIB

Dan Rodlie is a perfect example of a Teck employee with a diverse background; from safety and community involvement to the merchant marine, corvettes, flowers, and food service, Dan's life has blossomed with a wealth of incredible experiences.

Dan joined Teck 43 years ago in 1979 as a steam engineer in the Roaster/Acid Plants. He was drawn to safety early in his career, volunteering as a safety rep for Local 480, and becoming chair of his in-plant safety committee in 1983. In 2002, he started working as an operator instructor/safety trainer and was elected Area Vice Chair shortly afterwards – not surprising, considering his lifelong commitment to both safety and community.

Dan was born and raised in Norway, where he trained as an engineer and navigator. In 1968 he embarked on his first career, joining a Norwegian merchant marine shipping company. During this time, he had the opportunity to visit both the west and east coasts of Canada, as well as destinations in Asia, Europe, and the Middle East. He has crossed the world's oceans many times over, carrying commodities like pulp, lumber, zinc, and lead. He kept in touch with several pen-pals, including Lana, a local Trail woman whom he visited on a trip to Canada. She would soon become his wife and the couple settled in Trail. After a tour of Teck Trail Ops, then called Cominco, Dan was offered a position; soon after acquiring Canadian landed immigrant status with the help of the sitting MP, he began his career at Teck.

Teck

INSIDE STORIES...

**STUFFED
BREAD**
3

**THE FAB
SHOP**
4

**MENTAL
HEALTH**
5

**60
REASONS**
6

**FREE
FLYING**
8

**AIRPORT
TRAILS**
9

**MEET
TINA**
10

**2021
RETIREES**
11



Left:
Dan's wife, Lana, has been his travel companion on many trips, including their visit to the Great Wall of China.

Right:
Dan is a man of many hobbies. His passion for angling has led him to fishing holes all over the world, but some of the best times remain at home in the Kootenays.

Facing page:
Variety is the spice of life, so Dan prepared both a bacon and kamaboko (seasoned with curry) stuffed bread.

"IT'S GOING TO BE A BIG CHANGE. I'VE WORKED AT TECK FOR 43 YEARS."

DAN RODLIE

Community involvement has always been very important to Dan and his family. In the 1980s, Dan volunteered

as a director for the United Way, joined the Masonic Lodge and the Shriners, and volunteered alongside his wife Lana for Silver City Days, the River Committee, and the Jet Boat Races. During the 1990s, they spent eight years as volunteers with Citizens on Patrol, helping keep the Trail community safe. During this time, they also fed their community, running a catering company, a couple of food trucks, and an East Trail burger place called Lollipops.

In 1993, the Rodlies became involved with the Japanese Twinning Program, which matched Trail with Tsukui, Japan, now known as Sagami-hara. They chaperoned five trips to Japan for local youths and arranged hosting for over 200 Japanese visitors to the Trail area. Many of the Kootenay youths who travelled to Japan consider the experience life-changing, and some went on to teach English in Asia or explore international travel.

During Trail's centennial celebration in 2001, Dan organized a large display in the Cominco Gym, drawing from a number of organizations to gather historical artifacts and thousands of photographs highlighting local history. He was also among a few dozen people who helped the city form the Image and Promotions Committee, which led to Trail's involvement in the Communities in Bloom (CiB) program, which continues today.

The CiB committee plants community gardens, hanging baskets, and planters, and hosts an annual garden contest. In 2004, Dan became chair of the local CiB, and has been instrumental in beautifying the City of Trail. One of his first tasks was establishing murals on several downtown buildings, which remain community fixtures. For many years, Dan has organized hundreds of volunteers who help out with watering, graffiti removal, and creating interpretive signage. CiB has expanded over the years from maintaining 30 hanging baskets to over 220, and from 24 planters to over 100. These beautiful displays are seen throughout Trail

during the summer months. CiB has been a catalyst for an overall "greening" of the

Trail area, with Teck as a major sponsor of the program.

When asked what keeps him involved, Dan says that he's passionate about improving Trail visually and making it a better place to live, using whatever means he has at his disposal.

In 2006, Dan personally won two significant awards: the Community Leadership and Sustainability Award from Teck, and the British Columbia Community Achievement Award, which was presented to him in Victoria by then Premier Gordon Campbell and Lt. Gov. Iona Campagnolo. The following year, he won the first of several Teck Excellence Awards. In 2008, Dan was one of about 40 Teck employees who attended the Beijing Olympic Games. After an impressive run, Dan retires from Teck this June, giving him more time to devote to his community efforts.

"It's going to be a big change," he says. "I've worked at Teck for 43 years."

But Dan has plenty of hobbies and interests to keep him busy. Aside from his involvement with CiB, he also enjoys cooking, fishing in many different locations around the world, and stamp collecting. He's the editor of *Watercraft Philately*, a magazine which specializes in watercraft featured on stamps. Dan is also an avid Corvette fan and a member of the Spokane Corvette Club and the West Kootenay Smoke 'n Steel Car Club, and helps organize the club's annual car show. His plans for the near future include visiting a house he still owns in Norway, as well as setting out on a couple of cruises in the Mediterranean and along the west coast of Africa, which is one of the few areas of the world he hasn't yet visited.

Dan has been a valuable and impactful member of the community and dedicated Teck employee for over four decades; please join us in wishing him a happy retirement. And, of course, make sure you take some time this summer to enjoy the beautiful murals, plaques, and floral displays that enhance Trail, thanks in large part to Dan.



Recipe and photo submitted by Dan Rodlie

CLEAN OUT THE FRIDGE STUFFED BREAD

This Stuffed Bread is really about what you have in your fridge, as it can be made with many combinations of ingredients. I chose to make both a bacon and kamaboko version, but you can substitute with any type of cold cuts, ground beef, or whatever you choose. Enjoy!

INGREDIENTS:

1 loaf of French bread
 1 pkg of bacon, finely chopped OR 1 pkg of kamaboko
 (cured surimi, also known as imitation crab), finely chopped
 1 tub (250 g) cream cheese (plain or garlic & herb flavour)
 3 medium onions, finely chopped
 1 green/orange/yellow pepper, finely chopped
 1 red pepper, finely chopped
 2 stalks celery, finely chopped
 3 tbsp butter
 3 tbsp mayonnaise
 3 tbsp parmesan cheese
 1 tsp Clubhouse Roasted Garlic & Peppers spice blend
 (or equivalent)
 3 cloves of crushed garlic or 2 tsp of minced garlic
 Salt & pepper to taste

Optional ingredients:

1 tbsp of sugar or stevia
 1 tsp curry
 Sliced or grated cheese (such as sharp cheddar)

METHOD:

1. Cut the French loaf in half or, if it's extra thick bread, in three 1" thick slices.
2. Optional: Make a garlic spread with butter, garlic, and some seasoning salt; coat bread and broil for a few minutes.
3. Heat butter, onions and garlic in a skillet; cook until soft, then add peppers and celery.
4. Optional: you can make crystalized onions for extra flavour by sprinkling sugar or stevia on top of onions and waiting two minutes before stirring.
5. Put cream cheese in a bowl and pour hot butter mixture over top, then set aside. If you decide to make both flavour toppings, add cream cheese to two bowls and divide the hot mixture between them.
6. Fry bacon or kamaboko (add 1 tbsp butter to kamaboko) for a few minutes before stirring it into the onion mixture.
7. Add mayonnaise, parmesan cheese, and Roasted Garlic and Peppers spice blend and mix.
8. Spread mixture over bread.
9. Broil for five minutes or until golden brown.
10. Remove bread and top with cheese (not the kamaboko) then broil for another minute or so.
11. Let cool before slicing and serving.

Stuffed bread can be frozen for a later snack, too! Any topping not used can be put in a bowl and used as a spread with crackers.



WELCOME TO THE FAB SHOP

By Jonathan Jinjoe

If you enter the property at the D-LOT rotogate, you may have noticed a silvery-looking sign above the door to a large building. If it's dark out, you can see that it's back-lit and multicoloured, and says: "STEEL FAB" – this is the Fab Shop.

This issue's Places and Faces focuses on our metal fabricators and all they do at Trail Operations. Many of us have walked by this building for years and never seen the amazing metal parts and structures that are crafted inside.

As I walked through the Fab Shop, it was humbling to see the multitude of shapes, sizes, and functions of equipment, parts, and pieces our metal fabricators make every day. From cooling jackets to troughs that convey molten metal, every item obviously exemplified pride in workmanship and commitment to quality. Many of the components that are made in the shop are unique only to Teck Trail Operations and can be found nowhere else in the world.



To achieve a Red Seal ticket in metal fabrication, a person must take a four-year apprenticeship that involves attending trades school for 8 weeks of each year and maintaining a minimum 70% grade to progress to the next level. At the end of the apprenticeship, a person must take and pass a Red Seal certification exam.

Each fabricator has their own work 'booth,' and these personal spaces contain watermarks of what is truly important to them – pictures of family were the dominant theme. If the walls of the Fab Shop could talk, they would tell us a story of generations of talented, hard-working people of the metal craft, raising their families and keeping this smelter running.

Perhaps the sign on the Fab Shop wall displaying their motto says it best: "Every job is a self-portrait of the person who did it! Autograph your work with EXCELLENCE."

So, the next time you walk by, think about the contribution these folks make to our success on this property and in our communities.

TECK BY THE NUMBERS: THE FAB SHOP

18

METAL FABRICATORS
AND WELDERS AND
ONE GROUP LEADER

180

TONS OF STEEL PROCESSED
IN AN AVERAGE YEAR

3,250

KILOMETRES OF WELDING JOINTS
IN AN AVERAGE YEAR

14

DIFFERENT TYPES OF METAL,
FROM STAINLESS TO CARBON
AND EVERYTHING IN BETWEEN



IWL Assistant Bethel Torres is excited to bring her expertise to Teck.

IWL Coordinator Gord Menelaws and Assistant Bethel Torres meet with Trail Operations' mental health peer supporters Derek Sordi and Will McKenzie.



MENTAL HEALTH WEEK: BUILDING EMPATHY THROUGH EDUCATION

Trail Operations celebrated Canadian Mental Health Association's Mental Health Week from May 2nd - 8th with a number of initiatives.

The theme this year was empathy, which is something we all need to understand and demonstrate for our community, some of whom may be suffering. Empathy is the ability to share someone else's feelings or experiences by imagining what it would be like to be in their situation. It's a simple concept, but it may be the very thing we need most. As human beings, we share an ability to imagine what life is like for someone else, to look through someone else's eyes, and to see the world as they see it. When a person is struggling, they don't always need someone to swoop in and fix it for them. First, they need someone to understand where they are coming from.

Mental Health Week presents an opportunity to reflect and get real about how to help. Let's stop polarizing and start empathizing. Let's be there for each other when times are hard, and be ready to listen. You don't have to agree to understand, and you don't have to fix things to help.

As part of Mental Health Week at Teck, crew talks were offered to all employees, and onsite appointments with a mental health professional were available for employees concerned about their mental wellbeing. Lastly, we distributed over 500 "Mental Health Matters" hard hat stickers to raise awareness throughout the operation.

If you or a loved one are concerned about your mental health, remember there is always help available. Contact IWL Coordinator Gord Menelaws if you have any questions or for a list of available resources.



"MOVING TO CANADA HAS STIRRED UP MY INTEREST IN UNDERSTANDING HOW WE ARE SHAPED BY OUR ENVIRONMENT AND THE EVENTS WE ENDURE, AS WELL AS HOW THAT IMPACTS OUR MENTAL HEALTH."

BETHEL TORRES

NEW FACE AT IWL

There've been changes at Inspiring Wellness and Learning (IWL): longtime Assistant Mary Lynn Manwell has retired and we are thrilled to introduce her replacement, Bethel Torres.

Bethel was born and raised in Jalisco, Mexico (or, as she calls it, the "land of mariachi and tequila!")

"As the youngest of five children, I was always taught the importance of continuous learning from experiences and from people around me," she shares.

Bethel and her family moved to St. John's, NL in 2008 and across the country to Trail in 2012. "Moving to Canada was definitely an experience to learn from," she says. "It has stirred up my interest in understanding how we are shaped by our environment and the events we endure, as well as how that impacts our mental health."

In 2019, Bethel started working at The Skills Centre, first as the front desk person and later as a project specialist. She looks forward to sharing her experience and knowledge in her new position at Teck to support Trail Operations' employees and their families on their wellness journey. "We are an employee-driven program," she says, "so be sure to send me any ideas you may have!"

CHECK US OUT ONLINE

We are always striving to keep Trail Operations' families and retirees up to date on our programs and events, so everyone can join in the fun! Visit our website at www.inspiringwellnessandlearning.com for a list of upcoming programs and events. If you have any questions, be sure to contact gordon.menelaws@teck.com or beth.torres@teck.com.

By Nona Kucher

This is our 60th edition of *After Ours*, so when I considered how we could celebrate this milestone, I immediately thought about how many employees are working into their sixties and beyond.

This has become very real for me this year as I turn 60, and yes – I’m still working. It’s getting harder for me to keep up with technology, even though my mind is innovating 24/7. My words may be old fashioned, my pace is a bit slower, and some may have trouble understanding the way I do things, but my brain is so full of ideas and my experiences here at work. I feel like there is so much more I want to do; it’s a combination that’s very interesting,

but a new reality for me. What do I need to do to keep current? How do I get to know the younger workforce? Where can I share my knowledge? Who will listen? What can I **do to** embrace and bridge my generation and the younger one? What will my legacy be when I retire? It’s a lot to ponder.

In the meantime, it’s time to celebrate what aging brings to our work. We always think we have time to say goodbye to those who retire but then retirement hits and they’ve moved on to the next phase of their lives. So here are sixty reasons to celebrate our aging workforce today:



1. Can walk into a plant and know what's happening by the sounds
2. Has the best stories
3. Understands the history of why things are the way they are today
4. Knows what hasn't worked in the past
5. Stores some of the juiciest knowledge in their heads
6. Waits patiently for learning curves to level out
7. Can immediately pick out a trailblazer
8. Has endured and persevered through many upsets
9. Can describe the realities of aging
10. Are often the "go-to" people
11. Appreciates reading *After Ours* – it keeps retirees connected
12. Shares many invaluable lessons learned over the years
13. Remembers the camaraderie of "the good ol' days"
14. Exemplifies how to "not panic"
15. Has an unmatched wealth of expertise
16. Some have worked their entire career at Teck (RIP Jack Tavaroli)
17. Has the "manual" compass layer – this comes in handy when troubleshooting
18. Notices things out of place
19. Has witnessed the landscape surrounding Teck turn into beautiful flourishing green spaces
20. Remembers the cafeteria in the Greenhouse building
21. Came up with nicknames for places and things like **Chocolate Alley, Taj Mahal, Canada Place, Jumbo Alley, Dance Hall, Goose Neck, Trailer Town and Yo-Yo Cake.** (And, yes, I do have the inventory of all the names if anyone is interested!)
22. Has been a part of many safety milestones
23. Survived drinking coffee from a pot brewed in a plant – the kind you dipped your cup into
24. Knows everyone on their crew/team
25. Remembers what it was like to have no gates to pass through
26. Can recall being age 26 (feels like yesterday!)
27. Remembers Teck's slow-pitch league: "Comgran"

THANK YOU

to the generations of employees that have and still make a difference in what we do every day. We celebrate you with this 60th edition, and leave you with this hope: remember to engage with those reaching an older age; talk more to these experienced people, hear their stories, celebrate their triumphs, and learn from their tribulations, lessons, and experiences. These are our legacies.



- 28. Mentors many
- 29. Knows what "living the dream" means
- 30. Participated in former vibrant social clubs that held picnics and other events
- 31. Has read plant newsletters celebrating crews' birthdays, plant successes, and events
- 32. Experienced numerous barbecues and cookouts across the site
- 33. Many became tour guides for the Teck Interpretive Centre
- 34. Owns hardhats with years of stickers - a true history piece
- 35. Has intense intuition
- 36. Built doors that remain masterpieces today
- 37. Several developed our current processes
- 38. Acts as resources for baselines, trends
- 39. Values old fashioned traditions
- 40. Can tell you about the tunnels beneath our offices and plants
- 41. Witnessed the turn wheel for the train system
- 42. Knowledge comes from on-the-ground, walking the floors experience
- 43. Has tried and true methods
- 44. Knows what it's like having long-term relationships with colleagues
- 45. Advocates for their colleagues
- 46. Always has a reassuring calmness about them
- 47. Still feels strong and capable
- 48. Knows who's who and what's what
- 49. Can see how things will play out ahead of time
- 50. Are trustworthy
- 51. Acts as a sounding board for newer colleagues
- 52. Has unique personalities
- 53. Can operate without a cell phone
- 54. Shepherds young employees and gives them their shot/chance
- 55. Knows how important face-to-face interaction is
- 56. Many have called their work "home"
- 57. Knows when to speak up and when to be quiet
- 58. Reliable source for troubleshooting
- 59. Takes the time to share their knowledge
- 60. Exemplifies the word "wisdom"

FREE FLYING: TECK'S EARLY INVESTMENT BENEFITS AVIATION

By Eric Eslick

Aviation in Trail started in 1929, when the Consolidated Mining and Smelting Company (CM&S), which would become Cominco and eventually Teck, built a 2,000-foot landing strip and a large hangar to accommodate its fleet of aircraft. The purpose of this investment was to allow the company to use flight to expand its operations, explore potential mineral deposits, and establish new mines in Canada.

Back when Teck first built the airport, little did they know that they were opening the door for all West Kootenay residents to benefit. Today, the Trail Regional Airport is a critical piece of regional infrastructure.

Modern aviation is divided into two main categories: commercial aviation, or any aircraft used for business, and general aviation, or aircraft used for recreation. Most of us in the Trail area have used the airport for flying via Pacific Coastal Airlines, which is a commercial passenger aviation company. Some, like me, pursue flying as a hobby. The Trail airport accommodates all kinds of pilots, including other commercial aviation activities, such as medivac flights that transport patients from the Trail area to Kelowna or Vancouver in a quick thirty minute or hour-long flight. During the summer, helicopter crews fighting forest fires also use the airport.

Teck Trail's Pat Farnum got his first taste of flight by way of remote-control airplanes. He was introduced to the Trail Flying Club and became a member before becoming a pilot. That would change after he took a trip to Williams Lake to visit his father-in-law, a pilot who took him for a ride he'll never forget. Once airborne and away from the airport, Pat was asked if he wanted to take the controls.

"From that moment on, I was hooked," he admits.

He returned home, contacted Terry Noblet, who is a flight instructor at Kootenay Lake Aviation in Nelson, and began dedicating many hours to taking both flight lessons and ground instruction to get his private pilot's license.

"From start to finish, it took a year and half to get my license," he says, adding he dreamed of owning his own plane while learning to fly. He found a plane in Vernon that suited him, but could never line up a visit to go see it. On another visit to Williams Lake, his father-in-law came through, offering to sell Pat his plane and allowing the dream to take flight.

"The hardest part of getting my license was learning the meteorology required to navigate the sky," he shares. But the joy of flight outweighs the challenges.



**"JUST GO SPEND TIME IN THE AIR,
YOU WILL NEVER HAVE A DULL MINUTE AND
IT'S VERY LIBERATING TO CHALLENGE YOUR FEARS
AND BUILD THE SKILLS IT TAKES TO FLY."**

ALICIA MCLEAN

"The most enjoyable part of flying is a toss-up between the West Kootenay views and the joy of taking someone up for their first flight in a general aviation plane," he says.

Today, Pat is the vice president of the Trail Flying Club. As a pilot, he's committed to ensuring general aviation will always have a place in Trail. He is also working on a second plane, hoping to have it airborne by the end of summer. If you're outside this summer and you hear a plane, there's a good chance it's Pat, enjoying the views from several thousand feet above!

Another Teck employee, Alicia McLean, started flying after she broke her ankle and couldn't participate in many of her usual hobbies.

"My parents were visiting me from Saskatchewan and we decided to take a scenic flight because my dad had recently taken up an interest in planes and learning to fly," she says. "We took a tour of the Valhallas and Kokanee Glacier near Nelson; by the time we got back from our tour, I was also hooked."

AIRPORT TRAILS IDEAL FOR SPRING FAMILY ADVENTURE

By Jayne Garry

Clockwise from left: Pat Farnum and Eric Eslick share a passion for flying, and take any opportunity to get airborne. Here they are, all smiles on their way to Midway for breakfast.

Planes like this one used to occupy the Trail airstrip. HISTORIC PHOTO COURTESY OF THE TRAIL MUSEUM & ARCHIVES.

Alicia McLean, pictured with her mom and dad, started flying after she broke her ankle and couldn't participate in her usual hobbies. Her Dad's shared passion for flying led to the father and daughter purchasing a plane together.



Once she finished flight school, she and her dad bought a plane together so she could quickly travel home to Saskatchewan more often. Like Pat, Alicia completed her flight training with Terry at Kootenay Lake Aviation in Nelson and never looked back.

"My favourite parts of flying are the views and freedom!" she says. "Flying weather in the Kootenays is not always the best for taking a long trip, but even a short flight can help you unplug from day-to-day stresses."

She says the most difficult part of flight training was studying for online ground school while still working a full-time job.

"The second most difficult was getting over the fear of falling out of the sky," she adds with a laugh. "It took time learning flight principles and mileage to get over that fear."

As a pilot myself, I also remember feeling those fears during training. But practice makes perfect, and Alicia's advice to anyone interested in flying rings true for me, too.

"Just go spend time in the air," she says. "You will never have a dull minute and it's very liberating to challenge your fears and build the skills it takes to fly."

Above from top: Spectacular views of the Columbia River and surrounding hillsides dazzle weekend wanderers on one of the trails in Beaver Creek Provincial Park.

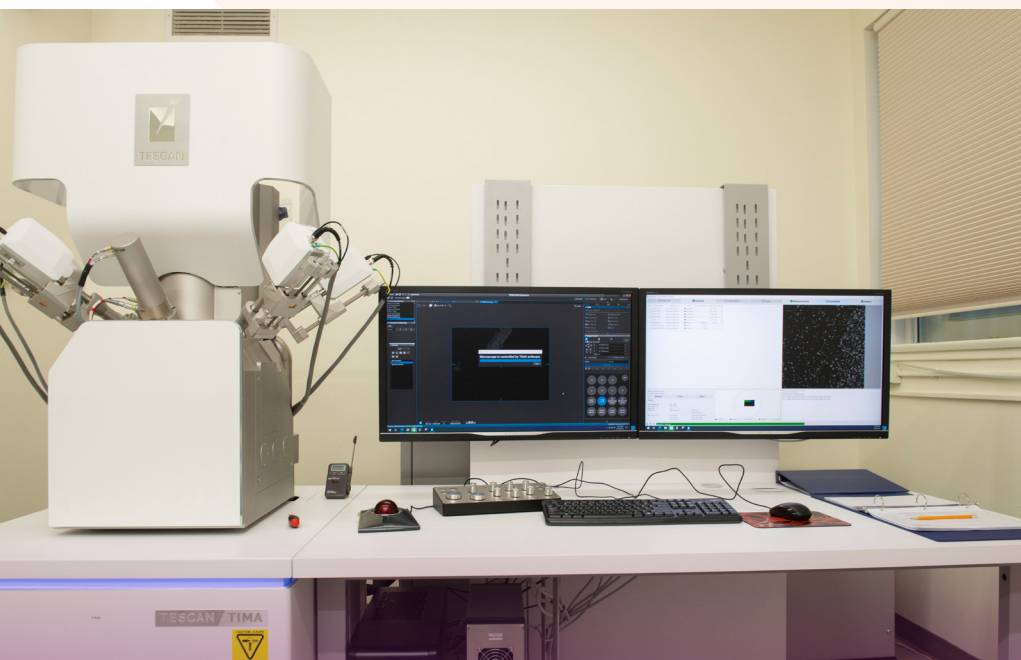
An old well stands sentry at the Beaver Creek Provincial Park Boundary.

This sign greets you from the parking lot off Highway 22A, north of the Trail Regional Airport.

How wonderful it is to live in the Kootenays, where being a weekend wanderer does not require a weekend of travel to get to your favourite destinations. Just one of the many great spots to hike or trail run in the Greater Trail area is about a 15-minute drive from my home. Each year, Beaver Creek Provincial Park is one of the first spots to be free of snow, due to its low elevation location on the banks of the Columbia River, which makes it ideal for spring recreation.

You can access the main trail from a parking lot in Waneta north of the Trail Regional Airport. Heading south, it's just past the entrance to Beaver Creek Provincial Park on Highway 22A. The trek itself is a fairly short 2 km round-trip hike to the end of the park boundary and back, making it accessible for hikers of all levels, and featuring a number of river access points perfect for skipping rocks or having a picnic. I see a lot of families, with everyone from kids to seniors enjoying the area on weekends. Fort Shepherd is directly across the river, so the trails also provide a nice viewing spot of that historical location. And if you time your visit right, a Pacific Coastal airplane may fly directly overhead as an added bonus. Over the years, I think that has thrilled me as much as it has my kids.

For those looking for more to explore, there is also another access point from the campground and some other short trails in and around the park. A couple of things to note – it is a sensitive wildlife area, which is wonderful if you want to see birds, snakes, or deer, but dogs are required to remain on-leash at all times.



INTRODUCING 'TINA': TST'S NEW MICROSCOPE

By Theresa St. Jean-Crockett

When I was taking photos and getting quotes for my article from last issue, called Returning to the Office, I discovered a cool new microscope in Technical Services, Trail (TST). What especially intrigued me was that, in August 2021, TST gave back by donating their existing microscope to the University of British Columbia! Way to go Teck for donating equipment, where it continues to provide excellent services to researchers at UBC's Mineral Deposit Research Unit. I connected with in-house expert Anelda van Staden to learn more about this project and the new microscope.

The Mineralogy and Geoscience Services (AMG) team at TST is proud to introduce their now fully operational automated mineralogy system. Purchased in September 2021 and delivered on site in December 2021, the new scanning electron microscope, known as a Tescan-TIMA, has been lovingly nicknamed 'Tina.' Tina was purchased to replace the first Mineral Liberation Analyser (MLA) installed in North America, also known as 'Emily,' a name adapted from the acronyms MLA and MLE. Although Tina is all moved in and Emily is gone, the AMG team is still relying on their second MLA system, which is extensively used for fugitive dust support as well as general plant troubleshooting at Trail Operations.

Geometallurgy, combined with rock and product characterization, has proven to be an efficient way to reduce risk and maximize value in operations and advanced projects for Teck. A key part of Teck's geometallurgy is process mineralogy, which is used to support plant troubleshooting; predict process performance behaviour; explain metallurgical testing results; support optimum flowsheet design; characterize complex ore bodies and corresponding wastes; and obtain quantitative beneficial and deleterious elemental deportment data.

TINA'S NEW FEATURES INCLUDE:

- **Four energy dispersive x-ray spectrometers**, which mean her measurement speed is three times as fast as the older MLA units – so what would have previously taken three hours now takes only 30 minutes!
- **Improved light element detection**, which is key for coal maceral identification.
- **Excellent elemental mapping capabilities**, which help investigate and define the relationships between elements for Red Dog, Mesaba, and Trail Operations' products.
- **High image resolution at high magnification** (improved definition of fine-grained ore).
- **Offline and remote capabilities**, which is vital in a COVID-19 environment for continuous operational and project support.
- **Competitive edge with commercial laboratories** and ability to conduct quality control checks on data from these laboratories.
- **A stable electron beam configuration with a field emission gun (FEG)** to enhance discrimination between minerals with similar chemical compositions.

Tina ensures Teck's internal applied mineralogy facility remains competitive. With our expert mineralogists and a modern system, TST will be able to provide enhanced support to global operations, improving overall speed and quality. It will allow the team to become the partner of choice for process mineralogy in support of all Teck's geometallurgical initiatives, which is aligned with the AMG group's strategy to improve their ability to support their customers.



Left:
TST has a new scanning electron microscope that is three times as fast as the older MLA units.

Right:
The Applied Mineralogy and Geoscience (AMG) team includes three mineralogists, one geologist, one coal specialist, and four technicians. *From left to right:* Logan Jameson, Regina Baumgartner, Louis (El-el) Coetzee, Micah Beatty, Catherine Carreiro, Chris Zerr, and Anelda van Staden. Two lovely technicians not featured here: Dan Matthews and Paul Simonetta.

The AMG team's Louis Coetzee and Logan Jameson successfully executed the purchase and installation of the new TIMA system, supported by TST's administrative staff. The AMG team thanks the administrative staff for their valuable support to ensure safe and effective installation, as well as their Trail Operations customers. They're excited to expand their capabilities even further through continued collaboration.

The application of process mineralogy, coupled with geoscience and processing, has permitted Teck to sustain, enhance, and create value for operations and advanced projects via robust geometallurgical models. Mineralogical value drivers have been proven to enhance value at several projects and have the potential to create unexploited value in our coal mines through a better mineralogical understanding of our coal and coke properties.

In the past 18+ years, Teck and Trail Operations has relied on the internal TST applied mineralogy facility for operational and projects process mineralogy support. Process mineralogy has been extensively used at a pace which was acceptable a decade ago, but Teck operations now require more robust support and interpretations.

2021

RETIREMENTS

2021 MARKED A MILESTONE FOR EMPLOYEES OF TECK TRAIL OPERATIONS AND TECHNICAL SERVICES, TRAIL!

NAME	YEARS OF SERVICE	LOCATION
Danny Abenante	43	Trades
Mark Cecchini	40	HR
Andrew Clark	42	Trades
Fernando Dacosta	11	Training
Scott Daniels	20	Assay
Vic Desnoyers	30	Melting
Andy Fricke	40	TFO
Larry Garrett	43	Projects
Marcus Gregory	43	Oxide
Blair Heier	44	Fire Hall
Steven Hinchcliffe	33	Metallurgy
Mike Hockley	8	Utilities
Jenny Ius	42	HR
Rino Lattanzio	42	Assay
Keith Lepa	18	Assay
Gord Mackay	43	Melting
Brian Marsh	40	Maintenance
Doug McKay	36	Engineering
Jim McReynolds	47	Janitors
Brian Muskeyn	40	TFO
Paul Ogley	29	TFO
Scott Ogston	14	Maintenance
Phil Poohachoff	44	Trades
Al Poster	41	Electrolytic
Jim Postnikoff	42	Trades
Dan Poznikow	41	Silver
Gary Proux	38	Metallurgy
Gary Secco	35	Melting
Harold Todd	45	Finance
Richard Ursulak	41	TFO
Mike Zanussi	38	Maintenance

THE NEWEST MEMBERS OF THE TECK TRAIL OPERATIONS & TECHNICAL SERVICES, TRAIL TEAMS!

Ralph Armishaw
Melting

Micah Beatty
Technical Services

Nick Bedin
#2 Slag Furnace

Trevor Brown
Roofer/Insulator

Brayden Burdeniuk
Pipefitter

Simone Chernoff
Electrolytic

Tanner Cust
Roasters

Pablo Daskoch
TFO

Jason Duncan
Lift Group

Bret Dymtruk
Electrolytic

Patrick Farnum
Speciality Equipment

Fazlolah Ghazali Jahromi
Metallurgy

Kelly Gouin
Lead Refinery

Mike Grady
Electrolytic

Robert Greenwood
Lead Refinery

Sierra Kozler
Feed Prep

Amber Locke
HR

Tammy Machan
Projects

Nathan Merlino
Roasters

Jeremy O'Hara
Feed Prep

Garrett Phelan
Drossing

Danny Rioux
Metallurgy

Annette Ueckert
Safety

Divana Whitley
Maintenance

TECK UP CLOSE

by Jayne Garry

Can you guess what it is?

Send us your guess at
afterours@teck.com.

HINT:
*Liquid
turns into a
solid here.*



ANSWER TO FEBRUARY 2022 TECK UP CLOSE:

February's Up Close photo is an amoeba, a unicellular protozoa often seen in samples from the Groundwater Treatment Plant. Amoebas are identified by their ability to form moving cytoplasmic extensions called pseudopodia, or false feet. These false feet help amoebas move around their environment to feed on bacteria, algae, viruses, and fungi. They exist in the MBBRs (Moving Bed Biofilm Reactors), where they help to clean up dead bacteria and other organic matter. The Microbiology Team at TST investigates and helps manage the microbes that are present in many of the processes throughout Teck. Pictured is TST's Senior Research Technologist Jeanine Powell, with the Groundwater Treatment Plant in the background.

A F T E R
O U R S

P.O. BOX 1000 TRAIL, BC V1R4L8

CANADA		POSTES
POST		CANADA
Postage paid		Port payé
Publications Mail		Poste-publications
40037854		