



Monarchs reign again

PHOTO: JODE ROBERTS

Thanks to you, people power is fuelling a joyous comeback: monarch butterflies.

Monarchs had a great summer, with a historic wave of orange “500 miles wide” flowing southward as the butterflies made their ancient, 4,000-kilometre annual migration from Canada to Mexico.

Four years ago, the monarchs’ situation looked bleak. The eastern population plummeted from one billion two decades ago to only 35 million.

The main cause: The herbicide glyphosate (a.k.a. Roundup). It’s eradicated milkweed on millions of hectares of cropland along monarch migration routes.

Milkweed is the only plant where monarchs lay their eggs. It’s their caterpillars’ primary food source.

Since 2014, you’ve helped distribute more than 30,000 milkweed plants and half a million seeds.

Thousands of households, companies and schools planted milkweed along roadsides and in gardens, schoolyards and parks. More than 25 Quebec municipalities became monarch-friendly cities and 39 Canadian communities signed the Mayors’ Monarch Pledge.

Despite decades of being unloved, milkweed has been popularized. Despite being on the brink of extinction, monarch butterflies are flying high.



Eleven-year-old Chloé Toutant convinced Joliette, Quebec to sign the Mayors' Monarch Pledge to become a monarch-friendly city, a project we created in partnership with the National Wildlife Federation. "I'm still young, but I would like monarchs to still fly in the sky when I'm 30," she said.

PHOTO: VILLE DE JOLIETTE

A BUTTERFLY KALEIDOSCOPE

Volunteer Butterflyway Rangers in Markham, Montreal, Richmond, B.C., the District of North Vancouver, Toronto and Victoria planted neighbourhood networks of butterfly-friendly gardens filled with native wildflowers, hosted fun musical parades and filled laneways with colourful butterfly-inspired murals by local street artists.

Anne-Marie Fenn, a teacher at newly crowned Butterflyway School Woodward Elementary in Richmond, B.C., explained how the program inspired and empowered her students:

"If they don't have that deep connection to the Earth, their community and their local environment, it doesn't have the same impact. Getting them out there and watching bees coming to the plants they planted is — 'I did this. I can have an impact.'"

Special thanks to our campaign sponsors, Cascades and Nature's Way.

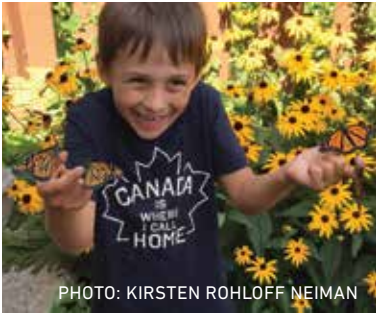


PHOTO: KIRSTEN ROHLOFF NEIMAN

Toronto Junior Butterflyway Ranger Jack and his family raised monarchs.



PHOTO: MATHIEU B. MORIN

Foundation staffers at the Botanical Garden of Montreal for Fiesta Monarque.



PHOTO: WINNIE HWO

Butterflyway Rangers planted pollinator-friendly wildflowers in the District of North Vancouver's community hub, Gerry's Garden.



PHOTO: JODE ROBERTS

Thirty of Toronto's top street artists painted a Felstead laneway with butterfly murals.



PHOTO: WINNIE HWO

Students at Richmond Butterflyway School Daniel Woodward Elementary took turns looking after their pollinator patch during summer break.



PHOTO: DEVON LOHRASBE

Victoria Ranger Pam flew a Butterflyway puppet.



PHOTO: THOMAS HUBAUE, FLICKR

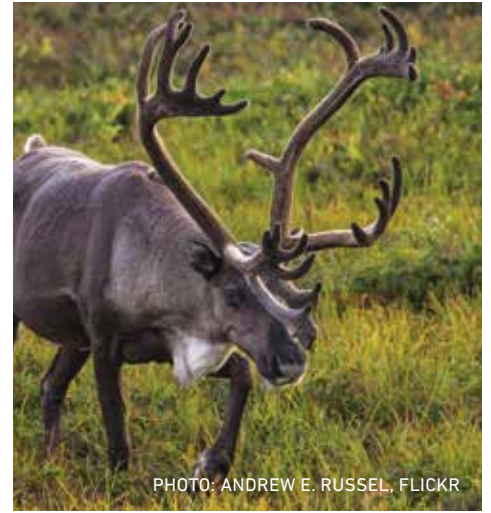


PHOTO: ANDREW E. RUSSEL, FLICKR

GOING TO COURT TO PROTECT SPECIES

You make it possible for us to speak up for species that can't speak for themselves.

POLLINATORS

Native bees pollinate one-third of the world's crops and 90 per cent of all wild plants. Neonicotinoid pesticides ("neonics") have played a roll in mass bee die-offs and harm other beneficial species.

We're part of a lawsuit arguing that the way Canada regulates neonics is not only sub-standard, it's unlawful. **The case will be heard November 19 to 23 in Toronto.** A successful decision could pave the way for more rigorous reviews of toxic pesticides.

ORCAS

An orca mother carried her dead calf for 17 days, drawing worldwide attention to the critical condition of her pod. Only 74 Salish Sea orcas are left. No calves born since 2015 have survived.

In September, we went to court to enforce the requirement that the fisheries and environment ministers recommend emergency protections for the stricken orcas. An emergency order is the best way for government to cut through red tape and take swift action.

CARIBOU

Industrial development is crowding out five threatened caribou herds in northeastern Alberta. But Canada's Species at Risk Act only protects species and their habitat on federal lands, or within federal jurisdiction (such as migratory birds and aquatic life).

Along with our partners, we've submitted a petition urging Environment Minister Catherine McKenna to recommend a Species at Risk Act safety net order. That would allow the federal government to extend protection on provincial and territorial lands. If Minister McKenna fails to act, we may call for a judicial review.

NATURAL ASSETS

Trees and green plants absorb carbon and clean the air. Forests and wetlands filter water and prevent flooding. These "natural assets" are also more flexible, cost-effective and easier to manage than built infrastructure — especially under intensifying climate conditions. So it's beneficial to protect them.

We're working with 11 Canadian municipalities to show that managing their natural assets will help them

lessen the worst effects of climate change and boost their citizens' health and well-being.

The Public Sector Accounting Board is now consulting on two documents that could open the door for natural assets to be properly considered across Canada, a significant change to the way we recognize and count nature's benefits.



PHOTO: ULYSSE LEMERISE B

Regroupement Partage (Group Share) in Sainte-Anne-de-Bellevue, Quebec won this year's Prix Demain, formerly known as Prix Action.

PRIX ACTION

On September 18, Regroupement Partage (Group Share) received the \$4,000 Prix Demain from Mouvement Desjardins and a visit from David Suzuki. Its Cultiver l'Espoir (Cultivating Hope) program grows and distributes organic vegetables to more than 60,000 Montreal families.

"This is solidarity in action, not only between people, but also towards the Earth," David said. **"It's young people helping families eat better and social entrepreneurs giving young people work — and all respecting nature.** This is an infallible antidote to cynicism and an invitation to think differently about the world and act accordingly."

More than 160 projects vied for the award this year. On December 1, you can vote for your favourite project at: fr.davidsuzuki.org/prix-demain.

GRASSY NARROWS BANS CLEARCUT LOGGING

On October 10, Grassy Narrows First Nation declared its traditional territories an Indigenous Sovereignty and Protected Area closed to industrial logging.

Grassy Narrows has long been a leader in asserting sovereignty and expressing lack of consent for clearcut logging in its lands. The community was poisoned by mercury dumping in the 1960s. Logging can release more mercury into the watershed. It declared a moratorium on logging in 2007 and has blockaded the logging road in the Whiskey Jack Forest.

We've long supported Grassy's fight to clean up its mercury-contaminated watershed. We've shared our research on Indigenous Protected and Conserved Areas and plan to work with the community as it moves forward.

TRANS MOUNTAIN PIPELINE QUASHED — FOR NOW

In August, the Federal Court of Appeal struck down the government's approval of the Trans Mountain pipeline — a major victory for First Nations and endangered Salish Sea orcas.

A diverse, united front made this win possible. Your support provided the online tools our community used to write 569 letters to their local newspapers and send 15,900 emails to federal decision-makers.

Government is determined to go ahead with the project. **With your help, we'll continue to stand against pipelines and push for clean energy solutions and an emergency response to the orcas' plight.**



Waterloo Blue Dot volunteer Kerry Mueller started an e-petition in support of environmental rights. More than 11,000 people from every province and territory signed it. King-Vaughn MP Deb Schulte read it in Parliament.

DOES YOUR MP SUPPORT ENVIRONMENTAL RIGHTS?

With your support, Blue Dot is mobilizing to secure commitments from all federal political parties for environmental rights.

Leading up to the October 2019 election, we've invited all MPs and candidates to sign a pledge that says **"I will support the recognition in law of the right to a healthy environment for all people in Canada."** We're also asking political parties to commit to environmental rights in their election platforms.

We'll make the signed pledges public. Voters will be able to see which candidates in their riding support their environmental rights. Will yours? Go to bluedot.ca/mp-pledge to find out how you can help.

THE NEXT GENERATION OF ENVIRONMENTAL LEADERS

Another wave of climate scholars is doing innovative research, thanks to your support.

Nicole Davies will investigate regionally and traditionally informed Indigenous sustenance systems and their effect on emissions, waste and conditions contributing to climate change.

Maxime Fortin Faubert will look into improving Montreal's climate change resilience by turning contaminated and paved-over "heat island" areas into cooling green spaces.

Tara Mahoney is interested in new, experimental climate change communications strategies and practices that will help excite and engage young people, particularly millennials.

UPDATE ON FIRST FELLOWS

Now an assistant professor at the University of Regina, **Brett Dolter** is



Some of you met new Suzuki Fellows Nicole Davies (left), Maxime Fortin Faubert and Tara Mahoney at the Beaty Biodiversity Museum in Vancouver September 24. If you're in the Toronto area, stay tuned for your chance to meet them!

exploring scenarios for decarbonizing Canada's electricity sector. He's also helping Blue Dot campaigners promote Regina's 100 per cent renewable energy target.

Jérôme Laviolette is studying the psychological and social factors of car dependency and developing tools to help Quebec communities reduce it. He helped create LocoMotion, a neighbourhood-based project for car and bike sharing.

Melina Laboucan-Massimo's Little Buffalo energy plan includes home and community audits, efficiency upgrades and renewable options. She's also hosting APTN's *Power to the People* series on renewable energy, food security and eco-housing.

You helped open doors for all our fellows. They're on their way to helping create a sustainable Canada. We'll keep you up-to-date as their projects take flight.

FOCUS ON LOCAL FISH

Did you know seafood from Canada is typically not sold as Canadian?

Canada's oceans support a variety of local sustainable seafood. It's often shipped throughout North America as generic "fish." At the same time, most people in Canada are eating imported and unsustainable seafood.

To choose sustainable species, you need to know the name, where and how it was caught or farmed, and where it was processed. Traceability — following species throughout the supply chain — is possible. But large retailers need to commit. If they don't, you'll never be sure what you're eating, where it comes from or how it's produced.

You can help. Ask your retailer to source local, traceable and properly labelled fish.



PHOTO: STILL FROM A VIDEO BY LANTERN FILMS

Our SeaChoice program has just released a lighthearted educational video: "We like craft beer, why not our local fish?" Watch it and take action at davidssuzuki.org/action/seachoice-sustainable-seafood.

TEN ZERO WASTE HOLIDAYS TIPS

'Tis the season of overconsumption and all its consequences — intended and unintended. Here are 10 tips for a festive zero waste season!

1. **Ask for “presence” instead of “presents.”** The precious gift of time never has to be dusted, recycled or regifted!
2. **Pass it on.** Why wait till you're gone for your loved ones to inherit? If someone adores something of yours, give it to them now.
3. **Hand out cloth hankies.** Include a bottle of this DIY hand sanitizer: 60 ml aloe gel, 125 ml grain alcohol (e.g., vodka) or rubbing alcohol, a few drops tea tree or thyme essential oil, 30 ml vegetable glycerin.
4. **Give to those who really need it.** Volunteer at a local soup kitchen. Donate essentials to local charities.
5. **Green family tradition.** Avoid single use disposables. Use cloth napkins. Choose organic wine, fair trade chocolates and gifts. Decorate with nature (tree boughs, cones).
6. **Plant seeds of change.** Give living plants that can move outside come springtime or perennial plant seeds — vegetables and/or native wildflowers.
7. **Power a green head start.** Turn people on to green cleaning or cloth diaper services. Introduce them to organic produce delivered to their door.
8. **Give outdoor experiences.** Consider a Parks Canada pass, a guided snowshoe trek or a foraging tour gift certificate!
9. **Who needs gift wrap?** Use cloth bags or fabric squares (furoshiki).
10. **Shop at thrift, consignment or antique stores.** New stuff requires energy and materials to manufacture and transport.



Our founding Queen of Green Lindsay Coulter (left) is back on the throne! Thanks, Nikki Sanchez, for doing an amazing job while Lindsay was away.

SUSTAINABLE DIVERSITY NETWORK

Love of nature and the need to protect it is the same in any language.

Thanks to you, we've been the go-to environmental organization for messaging to fast-growing communities in Cantonese and Mandarin since 2010.

In 2016, we set up the Sustainable Diversity Network. Its core members — from mostly Indigenous and immigrant backgrounds — have hosted a series of Documentary and

Dialogue events, screening films and engaging audiences in lively conversation.

These events connect people, especially new Canadians, with Indigenous Peoples, to share wisdom, history and stories about living within nature's limits. We've partnered with the Musqueam and Squamish Nations. We're planning a fourth event in 2019 in partnership with the Tsleil-Waututh Nation.

Finding Solutions

A publication of the David Suzuki Foundation, a registered Canadian charity working to protect the diversity of nature and our quality of life, now and for the future.

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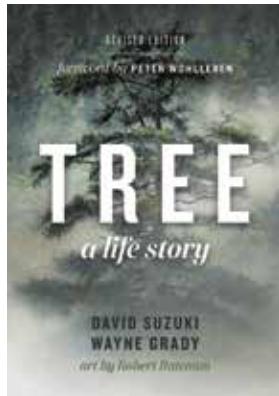
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Tree: A Life Story — Revised Edition

David Suzuki and Wayne Grady / GREYSTONE BOOKS

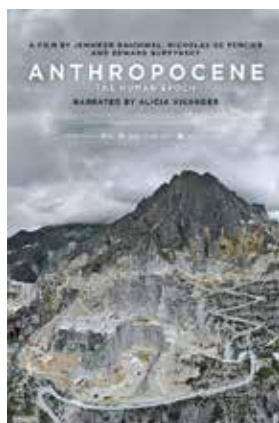
After the phenomenal success of Peter Wohlleben's *The Hidden Life of Trees*, Greystone has re-issued *Tree*, with a foreword by Wohlleben. Suzuki and Grady explore many of the same phenomena as Wohlleben, but in more depth and scientific detail. Starting from a Douglas fir that has survived in less than ideal conditions for hundreds of years, the authors explore everything from the history of trees to the emerging science on how they communicate through airborne chemicals and mycorrhizal fungi networks. If you enjoyed *The Hidden Life of Trees*, you'll love going deeper with *Tree*.



The Radicals

Tamo Campos and Brian Hockenstein

“Every relationship has a responsibility.” This visually rich, emotionally charged and energetic documentary is an inspirational call to action. Four young outdoor adventure athletes make authentic and lasting connections with Indigenous leaders in remote communities at the frontlines of environmental and territory rights campaigns. All are striving to protect the natural world they love. Elders and youth courageously stand against industry and resource extraction while implementing stewardship solutions such as solar power and habitat restoration.



Anthropocene: The Human Epoch

Jennifer Baichwal, Nicholas de Pencier and Edward Burtynsky

This epic project is the third in the trilogy following *Manufactured Landscapes* (2006) and *Watermark* (2013). It's a cinematic exploration of humanity's massive reengineering of the planet, helping us comprehend this critical point in Earth and human history. With greater awareness of our species' effects on nature's systems, will we come together and use our intelligence and innovation to make positive change? This film shows us in a visceral way how our very survival depends on it.

THANKS FOR STANDING WITH US

It's a Matter of Survival, the five-part CBC radio series I hosted in 1989, woke a lot of people up to climate change. Listeners flooded the network with thousands of letters (this was before email) asking what to do.

My wife Tara said “David, you can’t keep harping on problems. It’s time to talk solutions.” Her insight catalyzed the Foundation’s creation in 1990.

This organization bears my name because I’ve hosted TV and radio science programs since the 1970s. People know me — I’m the face. But Tara is the brains. She got the Foundation started and, in the early days, kept it going.

But we would never have gotten off the ground if it weren’t for you, our donors.

In the beginning, Tara answered those thousands of letters inviting people to take part in our vision. And, to our amazement, people sent money to support us. Many of you are with us to this day!

It’s been an uphill climb. But today — even though some people and governments deny the science — there’s no disputing human-caused climate change. Headlines scream about the rapid changes needed to stem the most catastrophic effects. The latest Intergovernmental Panel on Climate Change special report says we have 12 years to make “rapid, far-reaching and unprecedented changes in all aspects of society” if we are to avoid the catastrophic impacts of a global temperature rise of more than 1.5 C over pre-industrial levels.



Foundation co-founders Tara Cullis and David Suzuki.

Thanks to you, we’re promoting solutions to get Canada on track to reach — even exceed — our climate obligations to the world. You supported groundbreaking research showing methane emissions in B.C.’s oil and gas sector are 2.5 times higher than reported. Our research helped inform Canada’s national methane emissions regulations — the first in the world. You’re also helping us inspire people across the country to rise up, divest from fossil fuels and harvest sunshine, wind and Earth’s energy to power their communities.

Now is the time to work together toward a healthier future for our children and grandchildren. You’ve been our enduring partners. I’m grateful to have you standing with us.

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