

Supplementary data to accompany

## **Boundary|Time|Surface: Art and geology meet in Gros Morne National Park, Newfoundland, Canada**

Sydney A. Lancaster, John W.F. Waldron.

1. Introductory and didactic displays from Gros Morne National Park Discovery Centre gallery exhibition.

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<https://upload.wikimedia.org/wikipedia/commons/e/e8/Sedgwick-a1.jpg>?uselang=en-ca (Sedgwick)

[https://commons.wikimedia.org/wiki/File:Charles\\_Darwin\\_by\\_G.\\_Richmond.jpg](https://commons.wikimedia.org/wiki/File:Charles_Darwin_by_G._Richmond.jpg)?uselang=en-ca (Darwin)

[https://commons.wikimedia.org/wiki/File:Mary\\_Anning\\_painting.jpg](https://commons.wikimedia.org/wiki/File:Mary_Anning_painting.jpg) (Anning)

[http://4.bp.blogspot.com/-y9093VVQhcc/Ua4r\\_ldwc8I/AAAAAAAIIlo/QQXGveI2aok/s1600/P015041.jpg](http://4.bp.blogspot.com/-y9093VVQhcc/Ua4r_ldwc8I/AAAAAAAIIlo/QQXGveI2aok/s1600/P015041.jpg)  
(Lapworth)

[https://upload.wikimedia.org/wikipedia/commons/7/7e/Marie\\_Curie\\_c1920.jpg](https://upload.wikimedia.org/wikipedia/commons/7/7e/Marie_Curie_c1920.jpg)?uselang=en-ca (Curie)

<http://www.367ture.dk/media/5900/dictyonema-web1200.jpg>?upscale=false&format=jpg&quality=75&width=1200&height=1200&mode=max  
(Rhabdinopora)

Lapworth, C.: On the Tripartite Classification of the Lower Palaeozoic Rocks, Geological Magazine, new series, 6, 1–15, 1879.

## Boundary | Time | Surface

### Art and Geology in Gros Morne Park

In 2014, as part of The Rooms Provincial Art Gallery and Parks Canada Artist-in-Residence Program, Artist Sydney Lancaster collaborated with geologist John Waldron to build the installation *Boundary | Time | Surface* at Green Point.

With volunteers, they collected about 50 driftwood poles, and constructed a 150 m long sculptural fence from the cliff to the low-tide line. This installation marked a boundary, chosen by geologists to separate the Cambrian and Ordovician periods in Earth history.

The fence was built and washed away within a day, but its creation and brief existence were recorded in photographs and videography that are the basis for this exhibition.

Humans attempt to order the natural world by marking boundaries of various sorts in the landscape. Think about how humans divide up the Earth with boundaries ... and think about how temporary some of those boundaries are.

We hope *Boundary|Time|Surface* offers an opportunity to consider different scales of time – the vast extent of geologic time, the cycles of the tides, and the short time humans have walked on these rocks – and to explore our relationship to the land, time, and how we organize our lives.

Sydney Lancaster and John Waldron

## Boundary | Time | Surface

### Art et géologie au parc du Gros Morne

En 2014, dans le cadre du programme d'artistes en résidence de la galerie d'art provinciale The Rooms et de Parcs Canada, l'artiste Sydney Lancaster a collaboré avec le géologue John Waldron pour bâtir l'installation *Boundary | Time | Surface* à la pointe Green.

Avec l'aide de bénévoles, ils ont ramassé 50 billes de bois flotté et construit une longue clôture sculptée de 150 m entre la falaise et la laisse de basse mer. Cette installation marquait une limite, choisie par des géologues, pour séparer les périodes du Cambrien et de l'Ordovicien dans l'histoire de la Terre.

La clôture a été construite et inondée en une journée, mais sa création et sa brève existence ont été immortalisées sur des photographies et une vidéographie sur lesquelles repose cette exposition.

Les humains tentent d'ordonner le monde naturel en aménageant des limites de diverses natures dans le paysage. Songez à la façon dont les humains divisent la Terre au moyen de frontières... et au caractère temporaire de certaines de ces frontières.

Nous souhaitons que *Boundary | Time | Surface* offre une occasion de tenir compte des différentes échelles du temps – la vaste étendue du temps géologique, les cycles des marées et le peu de temps que les humains ont passé à marcher sur ces rochers – et d'explorer notre rapport à la terre et au temps, et la manière dont nous organisons nos vies.

Sydney Lancaster et John Waldron



Parks  
Canada

Parcs  
Canada

# Early Geologists Mapped Boundaries in Time Les premiers géologues cartographient les limites du temps

Geologists have been dividing time into periods, like "Cambrian", "Ordovician" and "Jurassic" since the early 1800s.

**Adam Sedgwick**, the founder of the Cambrian, became professor in Geology at Cambridge University in 1818. Soon afterwards, he became friends with Scottish geologist **Roderick Murchison**. Together, Murchison and Sedgwick set out to map unknown parts of the geology of England and Wales.

**Adam Sedgwick** was the son of a clergyman from the north of England. At Cambridge, he became known as a popular and charismatic lecturer. Sedgwick purchased newly discovered reptile fossils from collector **Mary Anning**, which expanded the university collection and helped develop the association between fossils and geological time. In 1831 Adam Sedgwick lectured student **Charles Darwin**, and these lectures stimulated Darwin's work, which led eventually to the publication of *On the Origin of Species* in 1859.

Adam Sedgwick est le fils d'un ecclésiastique du Nord de l'Angleterre. À Cambridge, Sedgwick devient un conférencier populaire, réputé pour son charisme. Il achète de la collectionneuse Mary Anning des fossiles de reptiles récemment découverts, qui enrichissent la collection de l'université et contribuent à l'établissement de liens entre les fossiles et les éres géologiques. En 1831, Adam Sedgwick enseigne à l'étudiant Charles Darwin et ses présentations stimulent le travail de Darwin, qui aboutira à la publication de *L'Origine des espèces* en 1859.

Charles Darwin

Mary Anning



Adam Sedgwick



Mary Anning

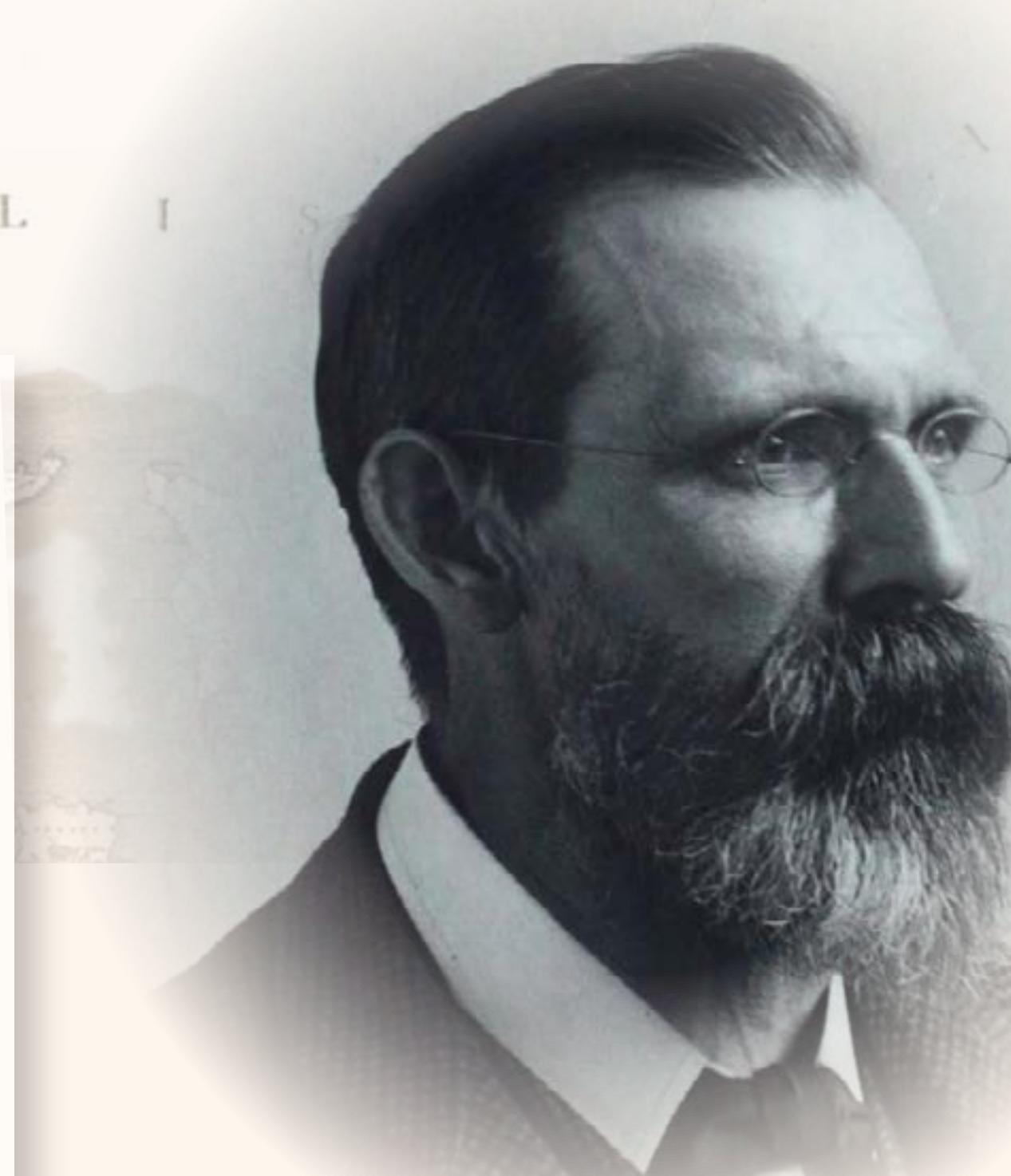
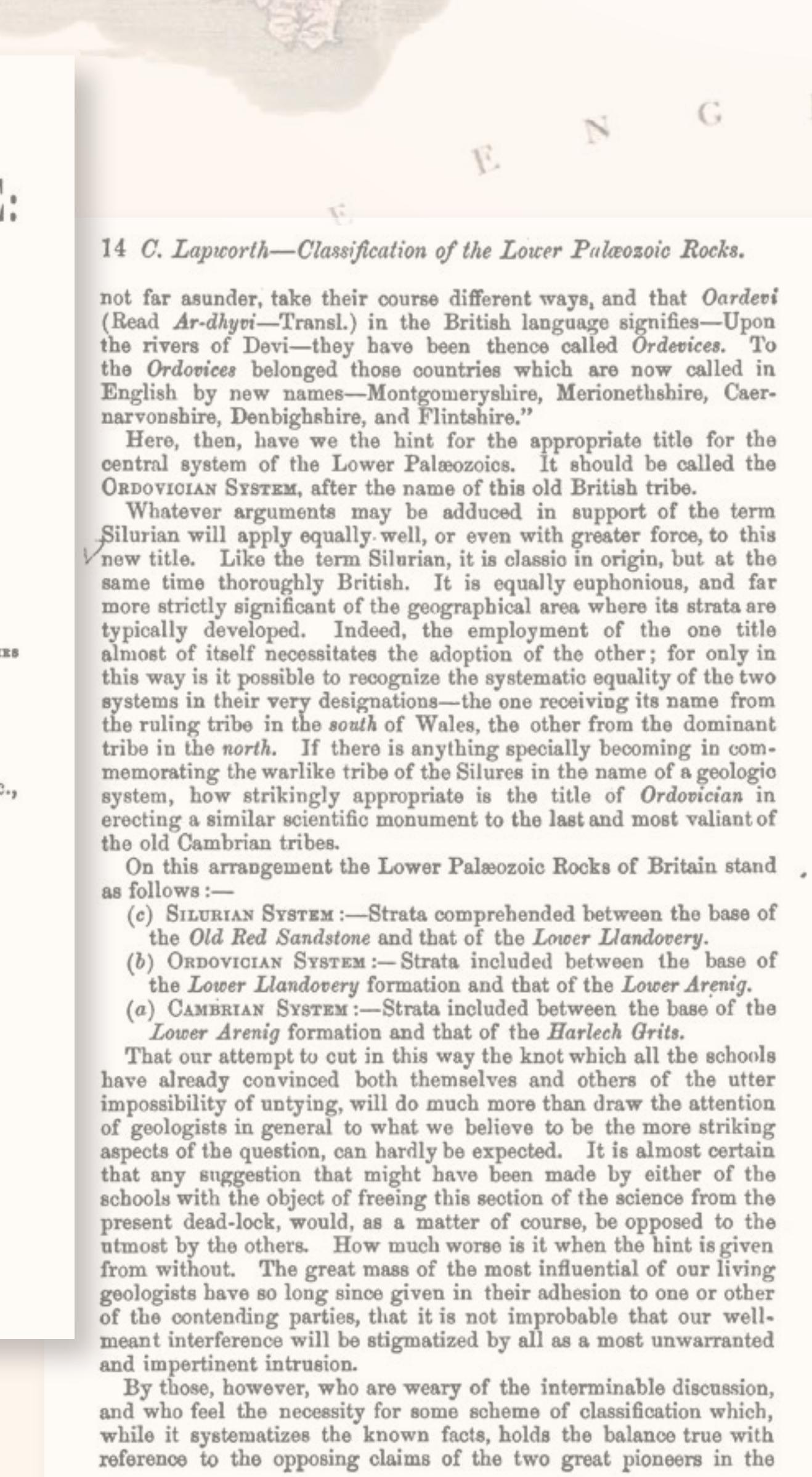
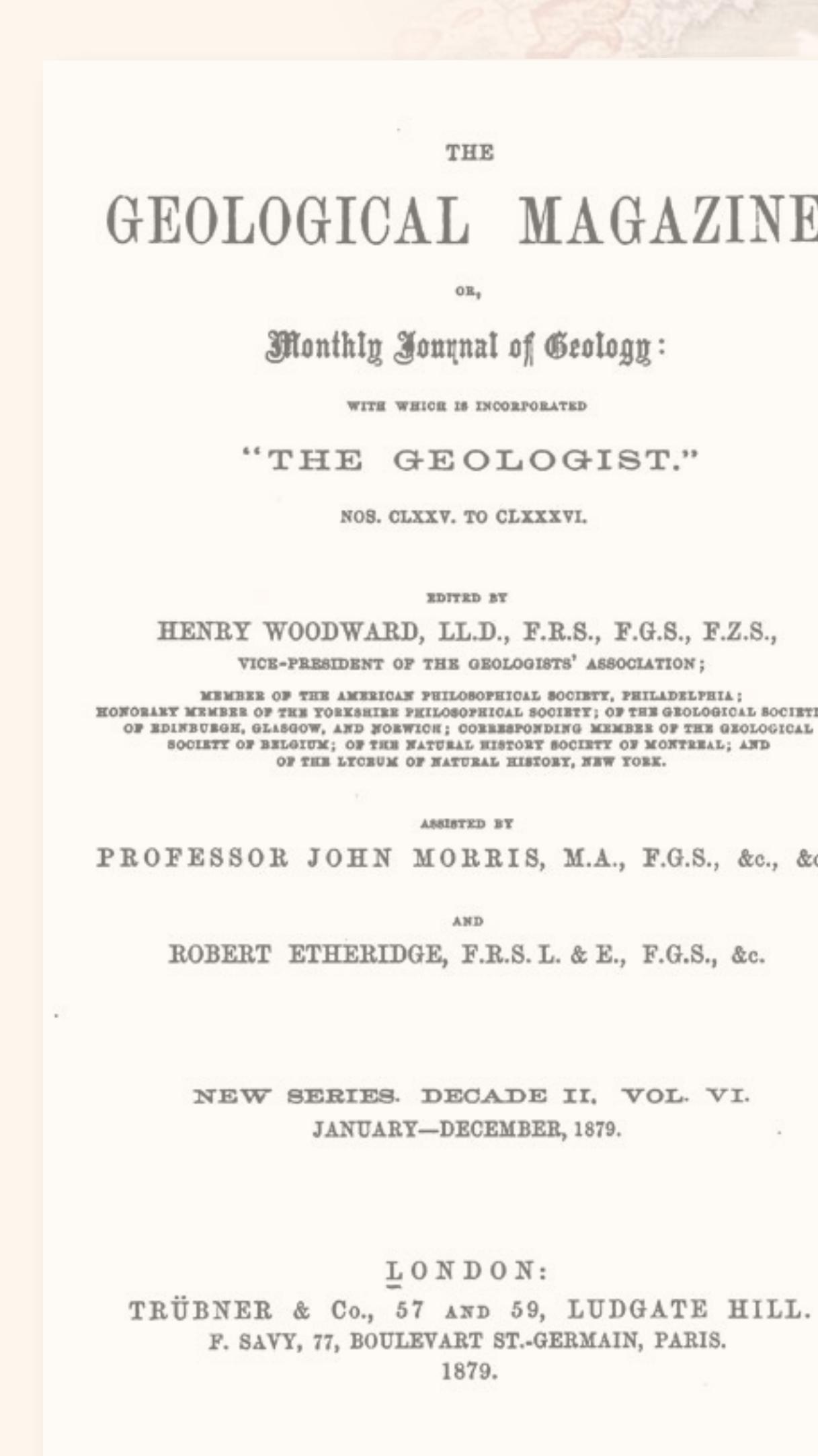
## The Cambrian, The Silurian, and an Argument!

Sedgwick proposed the name *Cambrian* for the oldest rocks he found in North Wales, after the ancient Roman name for Wales. Murchison named slightly younger layers *Silurian*, after an ancient tribe in the Welsh borders. In 1835 they published their results together.

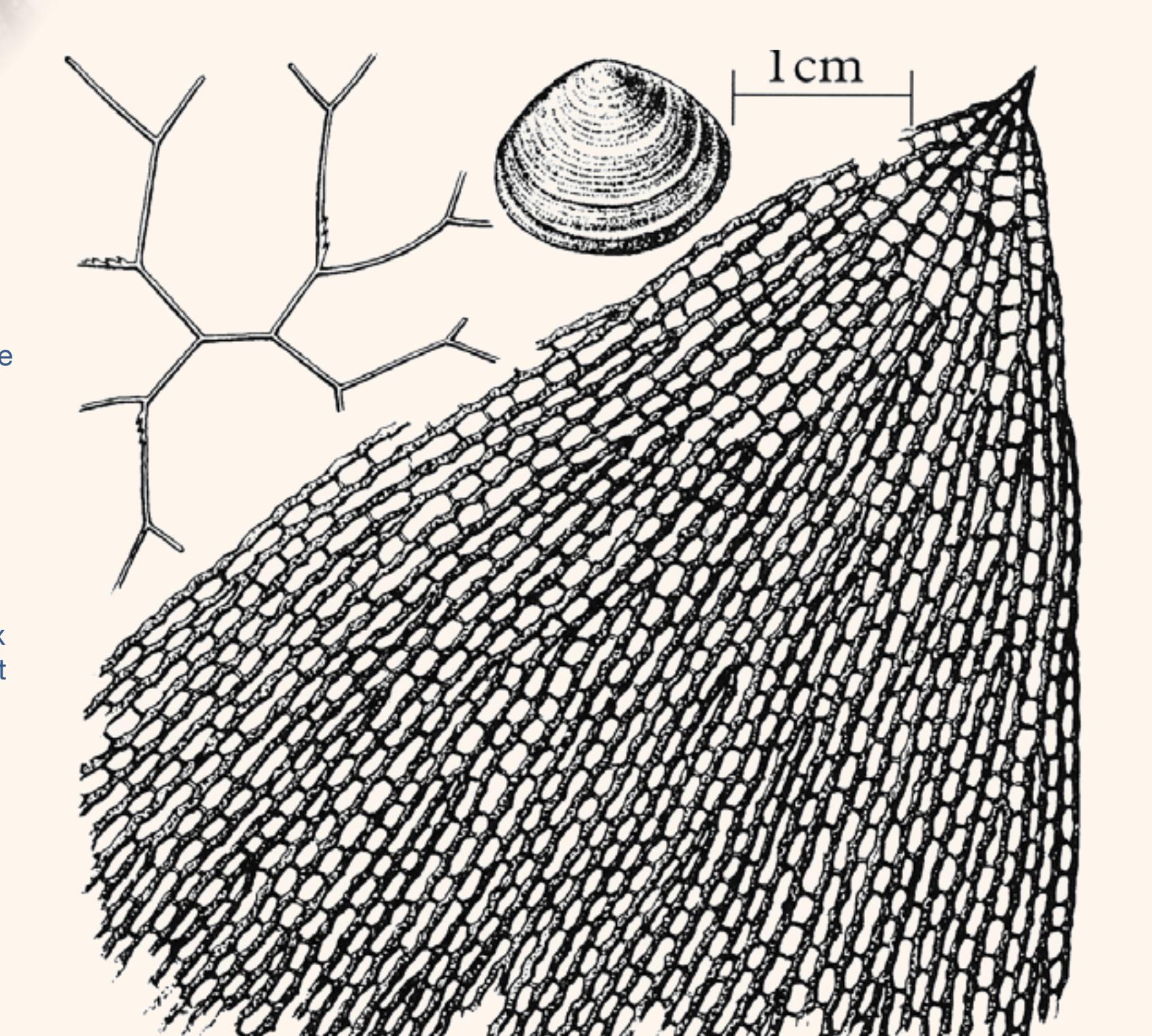
In the 1800's, the periods of the geologic time scale were thought to reveal natural chapters in Earth history, so Murchison and Sedgwick believed that boundaries should be drawn at important changes between rock layers. When they discovered the lower part of Murchison's Silurian System overlapped with the top of Sedgwick's Cambrian System, the two men had a furious argument that ended their friendship and collaboration.

## The Ordovician: A Compromise, and a New Time Period

**Charles Lapworth** was a friend of Sedgwick. In 1879 (six years after Sedgwick's death) he proposed the name *Ordovician* to include all those strata in the overlap between Sedgwick's Cambrian and Murchison's Silurian. Ordovician rocks, together with slightly older Cambrian strata, are magnificently displayed at Green Point in Gros Morne National Park.



Charles Lapworth, le fondateur de l'Ordovicien, étudie les roches dans le Sud de l'Écosse, qui ont sensiblement le même âge que celles du Pays de Galles. Il utilise des fossiles appelés graptolites pour diviser les strates. Ces graptolites sont des colonies de petits animaux qui s'attachaient probablement au varech flottant.



Au début des années 1800, les géologues divisent le temps en périodes, comme le Cambrien, l'Ordovicien et le Jurassique.

**Adam Sedgwick**, fondateur du Cambrien, devient professeur de géologie à l'Université Cambridge en 1818. Peu après, il se lie d'amitié avec le géologue écossais **Roderick Murchison**. Ensemble, Murchison et Sedgwick cartographient les parties inconnues de la géologie de l'Angleterre et du Pays de Galles.

Roderick Impey Murchison est un officier de l'Armée britannique. Lorsqu'il prend sa retraite après la défaite de Napoléon en 1815, il entreprend des études en géologie et devient un grand pionnier de cette nouvelle discipline scientifique.

Roderick Murchison

## Le Cambrien, le Silurien et une dispute!

Sedgwick propose le nom *Cambrien* pour désigner les plus anciennes roches qu'il trouve dans le Nord du Pays de Galles, d'après l'ancien nom romain du Pays de Galles. Murchison nomme *Silurien* des couches rocheuses légèrement plus jeunes, d'après le nom d'une ancienne ethnie des côtes galloises. En 1835, ils publient ensemble leurs résultats.

Dans les années 1800, on croyait que les périodes du temps géologique révélaient les chapitres de l'histoire naturelle de la Terre, et Murchison et Sedgwick étaient convaincus que les limites devaient être tracées aux endroits correspondant à d'importants changements entre les couches rocheuses. Lorsqu'ils découvrent que la partie inférieure du Silurien de Murchison chevauche la partie supérieure du Cambrien de Sedgwick, les deux hommes se disputent furieusement, ce qui met un terme à leur amitié et à leur collaboration.

## L'Ordovicien: un compromis et une nouvelle période géologique

**Charles Lapworth** est un ami de Sedgwick. En 1879 (six ans après la mort de Sedgwick), il propose d'appeler *Ordovicien* toutes les strates qui chevauchent le Cambrien de Sedgwick et le Silurien de Murchison. Des roches de l'Ordovicien, avec des strates légèrement plus anciennes du Cambrien,

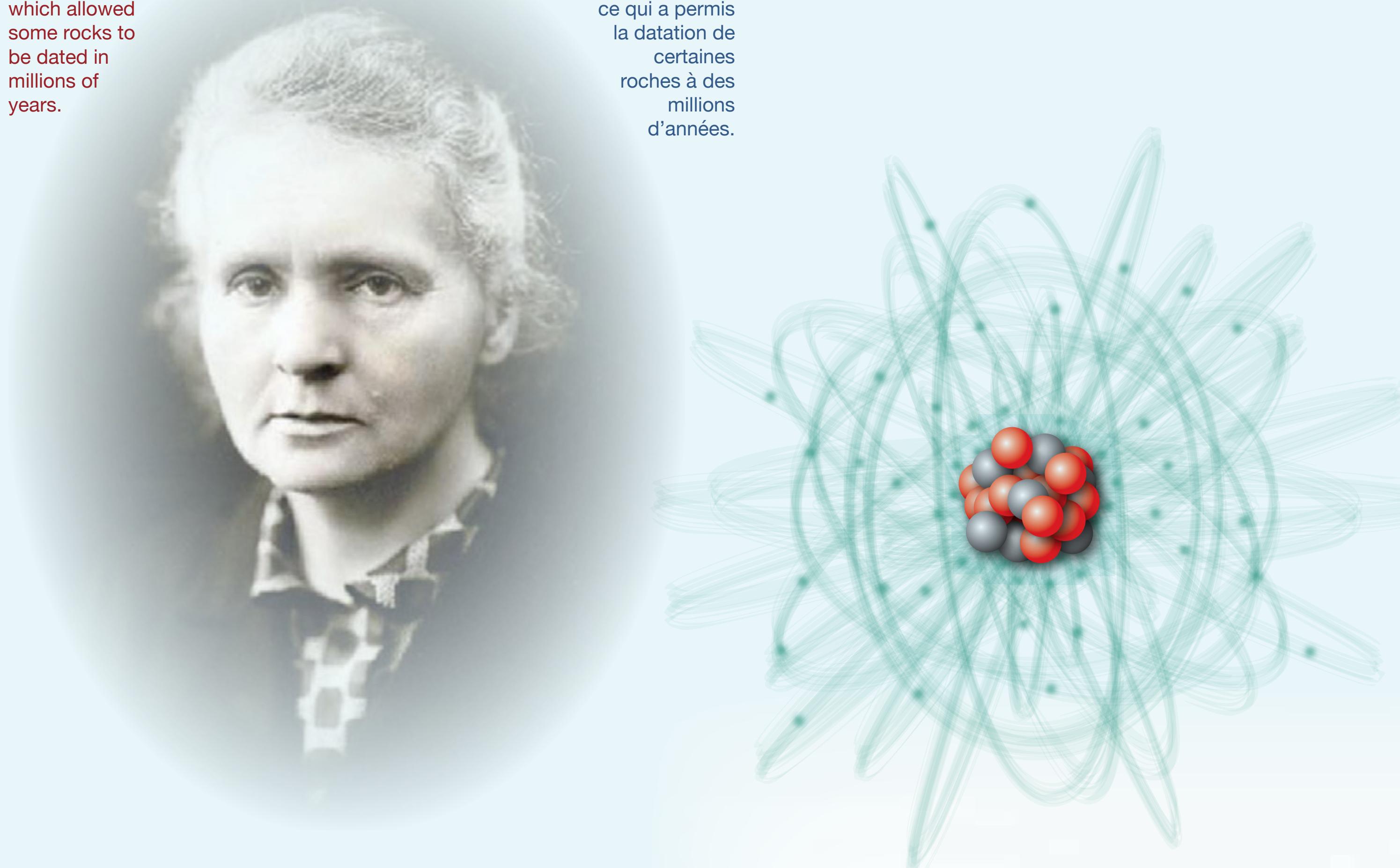
sont magnifiquement exposées à la pointe Green, dans le parc national du Gros-Morne.

## Fossils are Timekeepers for Earth History

Our understanding of time has advanced since Sedgwick, Murchison, and Lapworth. *Radioactive isotopes* allow geologists to estimate the ages of rocks in millions of years. Isotopes work well for *igneous* rocks (formed by melting), but not with most *sedimentary* rocks (deposited in layers on the Earth's surface). For sedimentary rocks, geologists often use the occurrence of new fossil species to figure out when the rocks formed.

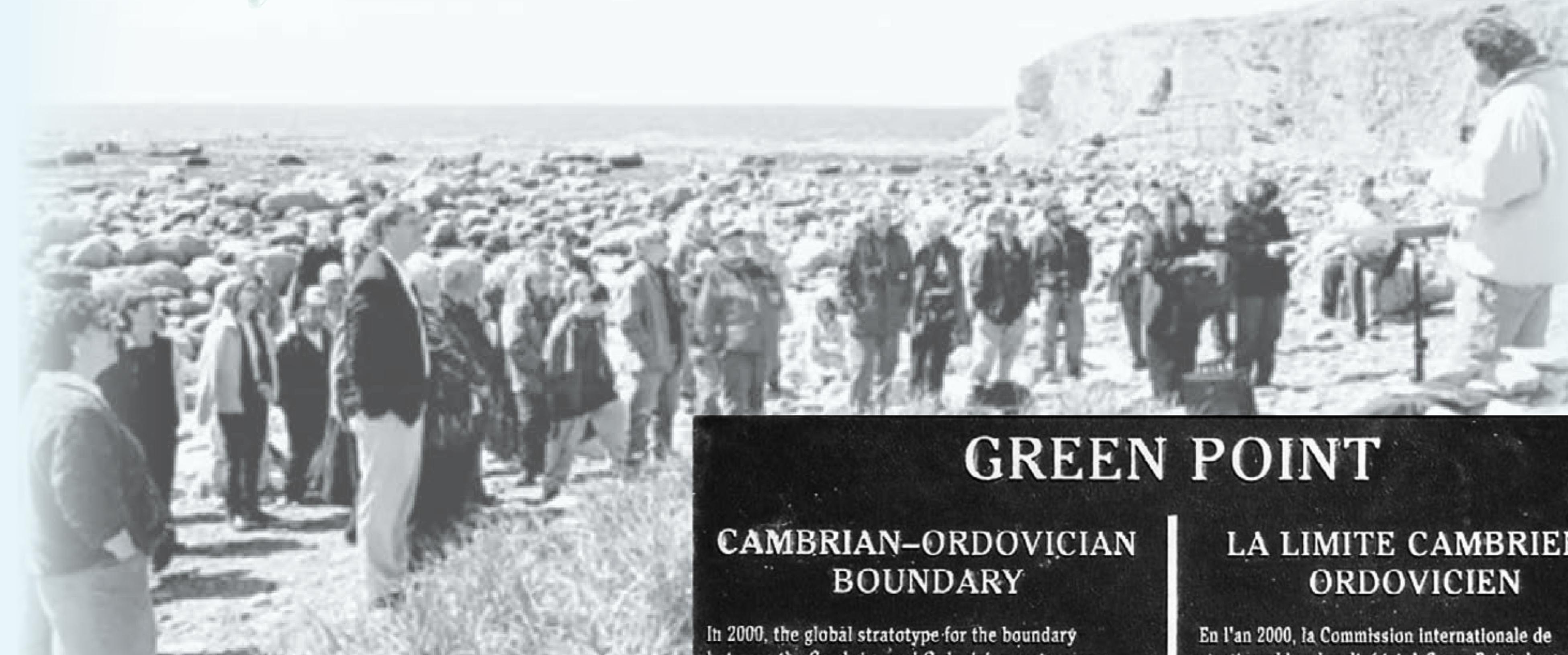
Physicists like Marie Curie discovered radioactive elements, which allowed some rocks to be dated in millions of years.

Des physiciens comme Marie Curie ont découvert les éléments radioactifs, ce qui a permis la datation de certaines roches à des millions d'années.



### Correlating the Time Scale Globally

Early geologists typically placed boundaries at times of great environmental change. This often meant parts of the record were missing, so comparisons across different continents became difficult, as a result. Modern geologists have re-defined most of the boundaries between periods at places called *stratotypes*, chosen in continuous successions of strata containing many fossils. Green Point is the stratotype for the Cambrian-Ordovician boundary.



In 2001, geologists chose Green Point in Gros Morne National Park as the stratotype for the boundary between Sedgwick's Cambrian and Lapworth's Ordovician. The boundary was placed at the first appearance of the conodont fossil *lapetognathus fluctivagus*, found all over the world in rocks of this age. The establishment of the boundary was marked by a ceremony on the shore.

### How Old Are Those Rocks?

There are no rocks at Green Point that can be dated with radioactive isotopes. However, in other parts of the world, volcanic rocks occur between strata with some of the same fossils. From this evidence, we know that the Cambrian ended and the Ordovician began about 485 million years ago.

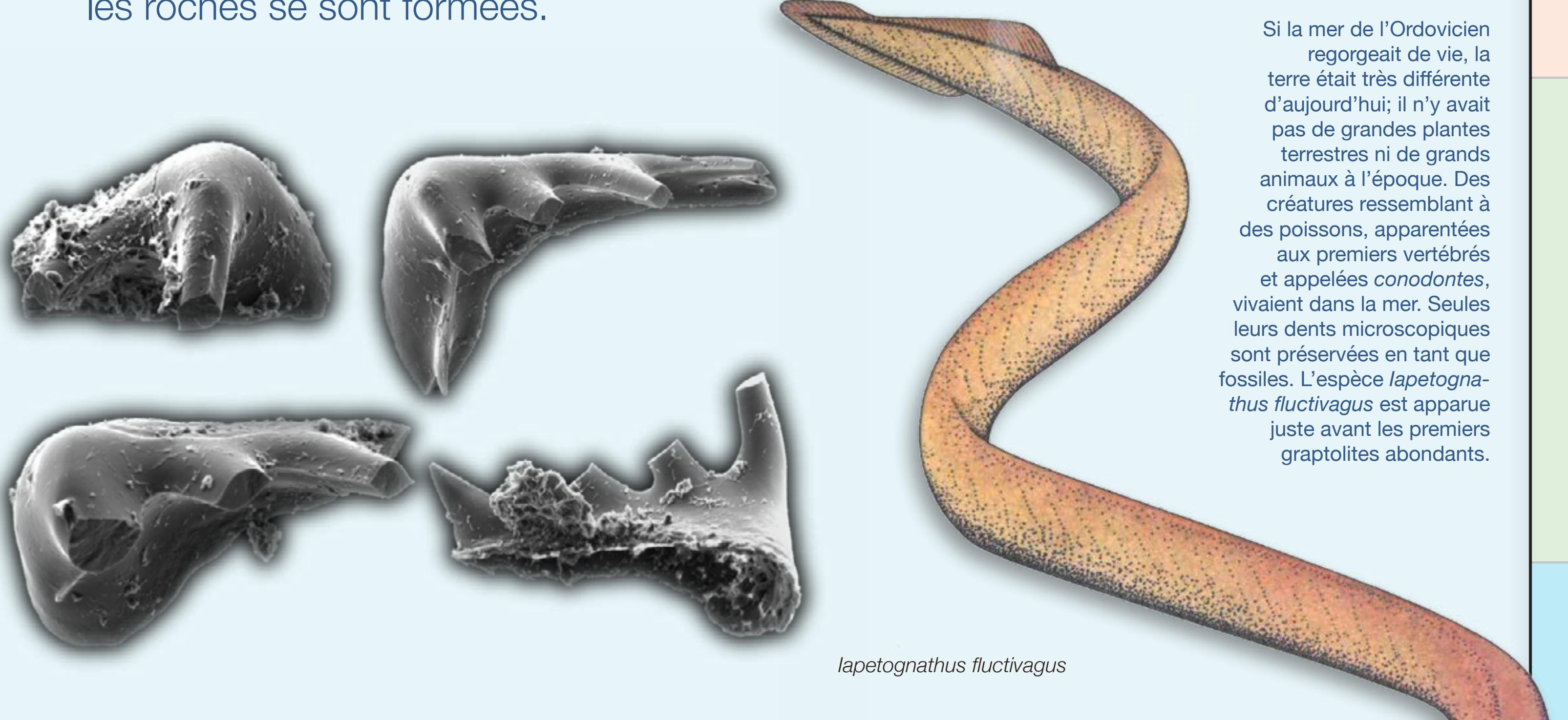
Later in the Ordovician, about 470 million years ago, the rocks at Green Point were involved in a collision of tectonic plates that started building the Appalachian mountain range. Inside the new mountains, the horizontal layers were folded and steeply tilted, so that Cambrian rocks are now on top of the Ordovician. Millions of years of erosion by glaciers and waves have exposed the layers again, so that we can see them in the spectacular cliffs and coastline.



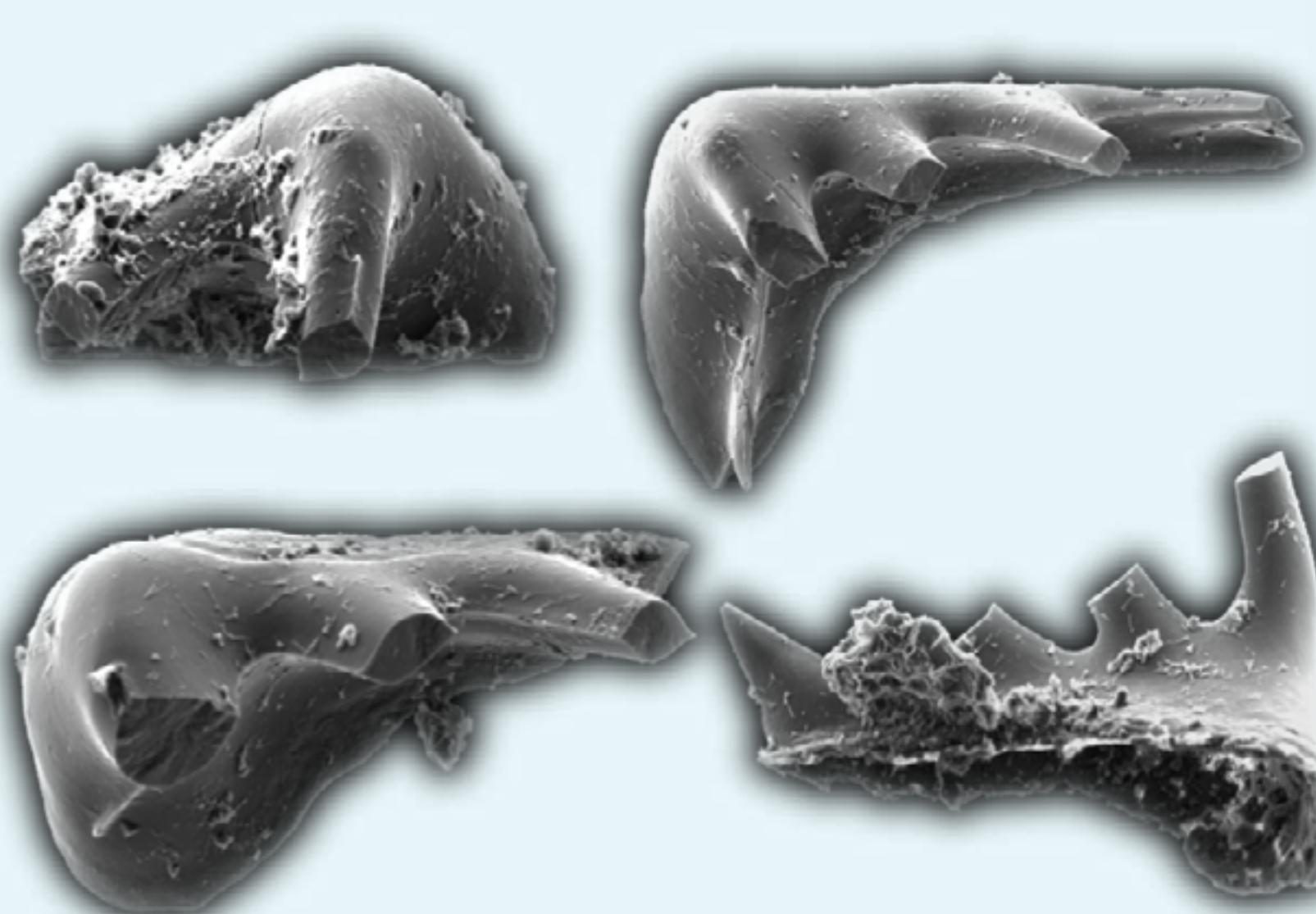
## Les fossiles, gardiens du temps dans l'histoire de la Terre

Notre compréhension du temps a progressé depuis Sedgwick, Murchison et Lapworth.

Les isotopes radioactifs permettent aux géologues d'estimer l'âge des roches en millions d'années. Les isotopes fonctionnent bien pour les roches ignées (formées par fusion), mais c'est tout le contraire pour la plupart des roches sédimentaires (déposées en couches sur la surface de la Terre). Pour les roches sédimentaires, les géologues se servent souvent de la découverte de nouvelles espèces fossiles pour déterminer quand les roches se sont formées.



Although the Ordovician sea was teeming with life, the land was very different from now; there were no large land plants or animals at that time. Fish-like relatives of primitive vertebrates, called conodonts, lived in the sea. Only their microscopic teeth are preserved as fossils. The species *lapetognathus fluctivagus* appeared just before the first abundant graptolites.



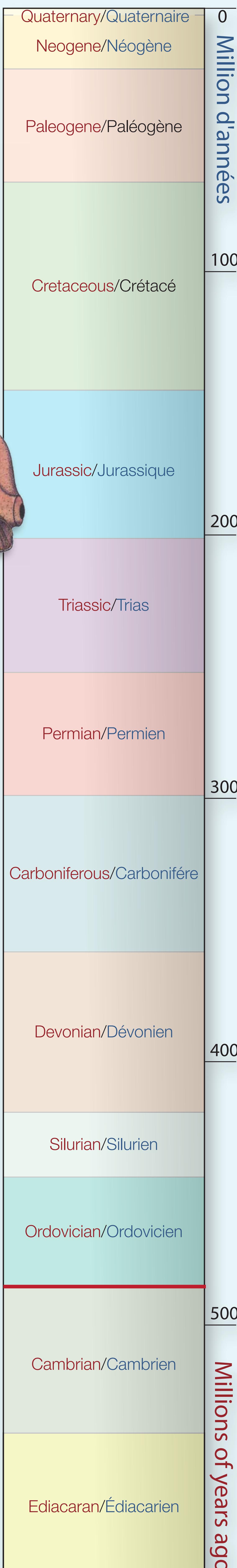
Si la mer de l'Ordovician regorgeait de vie, la terre était très différente d'aujourd'hui; il n'y avait pas de grandes plantes terrestres ni de grands animaux à l'époque. Des créatures ressemblant à des poissons, apparentées aux premiers vertébrés et appelées conodontes, vivaient dans la mer. Seules leurs dents microscopiques sont préservées en tant que fossiles. L'espèce *lapetognathus fluctivagus* est apparue juste avant les premiers graptolites abondants.



### Corrélation mondiale de l'échelle du temps

Les premiers géologues plaçaient habituellement des limites entre les périodes marquées par de grands changements environnementaux. Il en résultait souvent des lacunes dans certaines parties des profils géologiques, ce qui rendait difficiles les comparaisons entre différents continents. Les géologues modernes ont redéfini la plupart des limites entre les périodes aux endroits appelés *stratotypes*, choisis dans des successions continues de strates contenant de nombreux fossiles.

La pointe Green est le stratotype définissant la limite entre le Cambrien et l'Ordovician.



### Quel âge ont ces roches?

Aucune des roches de la pointe Green ne peut être datée à l'aide d'isotopes radioactifs. Toutefois, dans d'autres parties du monde, des roches volcaniques sont souvent présentes entre des strates renfermant certains des mêmes fossiles. En nous fondant sur ces données, nous savons que le Cambrien a pris fin et que l'Ordovician a commencé il y a environ 485 millions d'années.

Plus tard dans l'Ordovician, il y a environ 470 millions d'années, les roches de la pointe Green ont été touchées par une collision des plaques tectoniques et le phénomène a commencé à former la chaîne des Appalaches. À l'intérieur des nouvelles montagnes, les couches horizontales ont été pliées et sont fortement inclinées, de sorte que les roches du Cambrien sont maintenant au-dessus de celles de l'Ordovician. Des millions d'années d'érosion par les glacières et les vagues ont exposé ces couches à nouveau, et nous pouvons donc les apercevoir dans les spectaculaires falaises et la ligne de côte.

Cette échelle du temps géologique représente l'âge des roches déposées durant les 600 derniers millions d'années, ce qui représente environ 11 % de l'histoire de la Terre, période durant laquelle la vie animale est devenue abondante.

This Geologic Time Scale represents the ages of rocks deposited during the last 600 million years, representing about 11% of Earth History, during which time animal life became abundant.

Supplementary data to accompany

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Sydney A. Lancaster, John W.F. Waldron.

2. Visitor comments (identifying information redacted) from Gros Morne National Park Discovery Centre gallery and Art Gallery of St. Albert exhibitions.

# Guest Book / Livre des visiteurs

## Boundary|Time|Surface

Date	Name / Nom	Address / Adresse	Comments / Commentaire
July 31/16		Edmonton.	Astonishing. Now I see what you 2 do!
July 31/16		Toronto Ont.	Wonderful
July 31/16		Edmonton Nanaimo Oshawa / Dublin on	Puts things in different perspective!
Aug 2/16		Winnipeg MB.	Great!
Aug 2/16		Corner Brook / NL	Excellent :)
Aug 2/16		CAMBRIDGE Ontario	Excellent
Aug 4/16		Los Angeles, USA	Gangsta !!!
Aug 4/16		Toronto, ON, CA	Great.
Aug 4/16		Collingwood, Ont.	
Aug 4/16		Brentwood ON	Intriguing
Aug 4/16		Stony Plain, AB	amazing!
Aug 5/16		Halifax, N.S.	Amazing experience.
Aug 5/16		Ottawa, ON	
Aug 5/16		N.S	Very nice
Aug 5/16		North Carolina U.S.A.	Amazing
?		Oakville, ON	Awesome & amazing
Aug 5/16		Guelph Ont.	Super
Aug 6		Edmonton AB	Very interesting - love it.

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## Boundary|Time|Surface

Date	Name / Nom	Address / Addresse	Comments / Commentaire
06/09/16		TORONTO	cool
06/08/16		Toronto	Beautiful!
2016 Aug 7		HighRiver AB.	
Aug 7		HighRiver AB	LONELY
Aug 7		Ottawa	unique
"		BOLSOVER ON.	
"		Peterborough, ON	Lovely exhibit. Particularly interesting to relatives of Tony Berger!
		FOO, GU	narwhals are overrated
" "		Ontario	
"		Ottawa	Breath-taking!!
		Kingston Ont	Amazing
		Kingston "	
		DGWR "	The Best!!!
		KINGSTON ONT	AWESOME
		DESERONTARIO ONT	
Aug 7		Michigan, US	All of my senses
"		Sheboygan, WI	are amazing
		U.S.A.	Wonderful
Aug 7		MOUNT FOREST, ONT	Interesting
		BARRIE, ONT	AWESOME!!!
"		Corner Brook, NL	Beautiful! Love the layering.

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## Boundary|Time|Surface

Date	Name / Nom	Address / Adresse	Comments / Commentaire
Aug 7		Burlington, ON	Great park! Love it :)
Aug 7 8		Victoria, BC MONTREAL QC	Awesome!! :) TREKS INSTRUCTIF
		Burlington ON	Fabulous!
Aug 8		Geology Dept Indiana Univ of Penna	Green Point is a pilgrimage for us!
Aug 8		TORONTO, ON	Gorgeous Views of Park
Aug 16		Millbrook, ON	Fascinating!
8 Aug		Holdeiness, NB	:)
8 Aug		MISSISSAUGA, ON	
Aug 08		Habitat, NS	Awesome place of discovery - inside + out!
8 Aug		Dieppe, NB	What a view!
Aug 16		Dromedary, NB	Beautiful place.
8 aout		Val D'Or QC	tres interessant
Aug 8		NORTH BAY ON	GOOD HISTORICAL DATA!
Aug 8		Alliston, ON	Wonderful info!
"/20		LE LORD MINISTER SASK AREA.	Well done!
		COBOURG, ON	Wow!
		Toronto, ON	Worth the climb!
		CCCCC	
Aug 9 <sup>th</sup>		Barrie ON	Art work is beautiful!

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Date	Name / Nom	Address / Addresse	Comments / Commentaire
Aug 9		Barrie ON	Beautiful!
Aug 9		" "	"Yee!"
" "		" "	Extravagant!
Aug 9 2016		EASTPORT, NF Airdrie, Alberta	Great place
Aug 11 2016		Edmonton Alberta	
Aug 10		Brandon, MB	
Aug 10		Noor Scotia	Beautiful.
Aug 10		Bridge City Texas, USA	Beautiful
Aug 11		Peace River AB	Beautiful!
Aug 12		SARASOTA FL, USA	BEAUTIFUL
Aug 12		Kemptville, ON	Interesting!
Aug 12		Cyprus	Unique!
Aug 12.		PEI	Amazing!
Aug 11		WHITBY ONTARIO	FANTASTIC!
Aug 11		Halifax N.S.	Nice
Aug 11/12		St. John's NL	
Aug 11			Poo
8/11		Berkshires, MA	Love it!
Aug 12		Richmond Hill Ontario	Well displayed

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Date	Name / Nom	Address / Addresse	Comments / Commentaire
Aug 13		FREDERICKSON, ON Omemee, ON	Fantastic! Excellent time
Aug 13		Fenelon Falls	Fantastic Aria
Aug 13		St. CATHARINES, ONTARIO	-
Aug 13		中國	Great.. & 3#B3!
Aug 13		Kippons	Interesting
Aug 13		Kippons	Dab on em
"		N.Bay, Ontario	Enjoyed!
.		FILE, NS.	NICE!
Aug 13		Eldon AB	Neat!
Aug 13/16		Saskatoon, SK	Fascinating
Aug 13 2016		ITHACA, NY	Lovely
Aug 13/16		Woodstock NB.	Very informative!
Aug 13		Stouffville	in front of me
8/13/16		Charleston, TN	Great! Unbelievable
14/2016		Laudes N.E.D	Beautiful
Aug. 14 2016		Waterloo Ontario	??
Aug.15 2016		St. John's	Green. 棒!
Aug 15 2016		St. John N.B.	Love it
Aug 15 2016		St. John N.B.	Gorgeous !!

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Date	Name / Nom	Address / Adresse	Comments / Commentaire
Aug 15 2016	[REDACTED]	St. John's Placentia	Very nice.
Aug 16 2016	[REDACTED]	Providence, Rhode Island	Great Realworld
Aug 15 2016	[REDACTED]	Edmonton	Misc pictures AWESOME
Aug 15/16	[REDACTED]	Rotorua New Zealand	A real eye opener
Aug 15	[REDACTED]	Wpg, MB	Magnifique!
Aug 16	[REDACTED]	Kelowna B.C.	SPECTACULAR
Aug 16	[REDACTED]	Toronto ONT	FANTASTIC
Aug 16	[REDACTED]	Chicago, IL, USA	Beautiful!
Aug 16	[REDACTED]	Brampton, ONT	"
Aug 17	[REDACTED]	CBS	I loved the rocks
Aug 17	[REDACTED]	St. John's	I love this guy
Aug 17	[REDACTED]	Peterborough ON	I appreciated how you have engaged your audience!
Aug 16	[REDACTED]	New West Valley.	Very enlightening.
Aug 16	[REDACTED]	Kingston ON	Creative display.
Aug 16	[REDACTED]	Ottawa ON	"
Aug 17	[REDACTED]	Ottawa ON	Beautiful!
Aug 17	[REDACTED]	Mississauga On	Nice !!
Aug 17	[REDACTED]	Nova Scotia	:-) :-)
Aug 17	[REDACTED]	Ontario	The Best :-)
Aug 17	[REDACTED]	Lakefield, Ont	:-)

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## Boundary|Time|Surface

Date	Name / Nom	Address / Adresse	Comments / Commentaire
7/17/11		St. John's	
Aug 17		Lewisporte	stunning!!
Aug 17		NL S.	
Aug 18		Rocky Harbour	Awesome
		Rocky Harbour	Sordy
		Toronto, ON	beautiful!
Aug 18		Toronto/Balmain	
Aug. 18th		Toronto 6ix	
Aug 18		Woodstock NY	
Aug 18		Mt. Albert, ON	lively. good exploration on the concept of boundary
Aug 18		Halifax, NS	Spectacular!!.
"		Ottawa, ON	
"		Florida	
Aug 18			
"		St. John's	
"		BRANTford Ont.	EXCELLENT PAY GREAT PEOPLE
"		Hare Bay NL	
Aug 18		Hamburg, Germany	
Aug 19		Frederick, MD (Maryland)	Great art, great presentation

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Date	Name / Nom	Address / Adresse	Comments / Commentaire
	WPT. Myers, Pl	St. John's, NL	Rocky Centris amazing exhibit!
	Toronto, ON		Wow
	STH. AUSTRALIA	AMAZONICA	
	Dene Brook		C'est très bonne!
	Midland, ON		Wonderful :)
	Nibleton, ON		Awesome
	Baie Verte, NL		Beautiful
	Seal Cove w.b. NL		Beautiful.
	GPN NL		so unique
	Toronto ON		Very interesting visual, audio.
	Cobourg Ont.		amazing wonderful.
	Sudbury ON		BEAUTIFUL
	Buchans, NL		Beautiful!
	Buchans, NL		
	Buchans, NL		Awesome !!
	Winnipeg, MB		
	and Glen Margaret NS.		Excellent!

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Date	Name / Nom	Address / Addresse	Comments / Commentaire
8/20/16	Hemmingsen AC	Woodbury CT USA	very cool - thanks
8/21/16	Wynyard Sask, Saskatoon, SK		
8/21/16	Berlin, Germany		Beautiful !
8/21/16	Tabusintac New Brunswick		
8/22/16	Cambridge ON	Inspiring	
8/22/16	LIVONIA, MI USA	Sensational !	
8/22/16	Burley, Idaho USA	awesome	
8/22/16	Basel Switzerland	beautiful	
8/23/16	S-A.	Beautiful !!	
8/23/16	St. John's, NL		
8/23/16	Cobourg, ON.	Wonderful !!	
8/23/16	Cambridge, UK	Greetings from England !	Germany &
Aug 23	Toronto ON	Fun !!	
Aug 23	Thunder Bay ON	Awesome Facility	
Aug 23	St. John's, NL	Great place !	With lots of
23	St John's	Deadly SPOT !	
23	Niagara Falls, ON	Gorgeous !	
23	Halifax, NS	lovely photos - great use of space / sound / installations - well done !	

# Guest Book / Livre des visiteurs

## Boundary|Time|Surface

Date	Name / Nom	Address / Adresse	Comments / Commentaire
23 Aug 2016		SALTSPRING IS. BC	Beautiful work!
"		Chambly, QC	Wonderful! :)
25/08 2016		London, Ontario	Very interesting! Loved the series of scribble photos
Aug 25/16		Corner Brook, NL	♥♥♥
Aug 26/16		Barcelona, SPAIN	Great!!
Aug 26/16		Burnaby, BC	Informative
Aug 26		Toronto, Ont.	Wonderful!
"		Sault Ste Marie ON	
"		Baird Lake, Cape Breton	Beautiful
"		Ottawa, ON	Great info! (and thanks for the wifi ;))
"		Holland, NY, USA	Beautiful!
"		4198 pizza pizza road	:) :)) :)) :))
NA		College Park MD USA	Thank you!
Aug 26		Minden, Ontario	Beautiful 😊
" "		Middle Soar	Lovely and
		Kingsbridge, Devon UK	thought provoking
Aug 27/16		Ajax, Ontario.	Amazing and profound - my father is a geologist
Aug 27/16		Sherwood Park, AB,	and I will tell him all about this ↗
Aug 28		NS.	Thought provoking. If there were no boundaries in the world, perhaps there would be less problems. Fascinating!

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Aug 27 2016		Ontario	I love everything here, great work!
Aug 28 2016	St. John's NL		COOOOOO !
"	Sault Ste. Marie ON		Great
✓	Glenburn NS		amazing,
"	Smiths Falls, ON		very interesting talent!
Aug 28	Ottawa, ON		Very cool! Love it! ❤
Aug 28	Mississauga, ON		Great!
Aug 28	Nan Lakehead NL		Wonderful!
AUG 29	WINTERBOURNE, ONT		
Aug 28	Whitby, ON		
Aug 29	Don Mills ON		Great
Aug 29	St. John's, NL		Beautiful
Aug 29	Mississauga, ON		my eyes + ears say thank you!
2 Aug	St. John's		Very nice
28 Aug	The Bronx N.Y.		Very cool
Aug 29	Port Hope ON		Lovely!
Aug 29	Toronto, ON		😊
"	St. Catharines ON		Great
Aug 29	Ottawa ON		

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Date	Name / Nom	Address / Adresse	Comments / Commentaire
	Ottawa		
	NYC		
	Nova Scotia		
	NY		
Aug 29	Moncton NB	Awesome!	
	Hamilton On		
	St. John's	"Mind Blowing"	
Aug 3	Toronto	LOVELY + PEACEFUL	
Aug 30	Bridgewater		
Aug 30	Ontario		
Aug 30	St. John's	Beautiful :)	
Aug 30	Ottawa		
Aug 30	Geneve, Switzerland	{ Far from home...	
"	"	[+]	
"	Kitchener, Ontario	Ancient & cool	
30 Aug	Winnipeg, MB.	AWESOME!!	
"	INNISFAIL, AB	AMAZING	
31 Aug	G.F.W	LOVE it!	
	Labrador	Fab!	
31 Aug	Calgary AB	1-AB	

## Guest Book / Livre des visiteurs

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## Boundary | Time | Surface

Date	Name / Nom	Address / Adresse	Comments / Commentaire
Aug 31		Beijing China Belleville Ont.	Amazing
Aug 31		St. Johns	Awesome
Aug 31		Kingston, ON	Nice geology pictures!
Aug 31		Mount Pearl	Beautiful
		"	"
		"	"
Sept 1		Williams Lake, BC	
Sept 1		Victoria BC.	Stunning! Captures sense of time & "magic"
" "		COCAGNE IS	WOW!
		Dart. N.B.	Awesome
Sep 1		Boston, Massachusetts	Very interesting visual perspective of different mediums of Nature.
"		THUNDER BAY, ON	
"		Florida - USA	
"		TORONTO . ONT	
"		EAGLESHAM, AB.	
"		H) ONTARIO	
9/2		Vancouver, BC.	impressive!
		NASHVILLE, TN	Very nice

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Date	Name / Nom	Address / Adresse	Comments / Commentaire
Sept 2			COOL ART neat projectors Awesome Awesome!
Sept 2			
Sept 2		WhiteRock BC	great concept!
Sept 2		Ottawa ON	Awesome!
Sept 2		NewSweden Maine	Amazing!!!
2 sept		Lafontaine ON	MERCI!
"		Cheneau HARBOUR	C'est beau!
? sop		Gaspas River NB	
2 sop		Greenwood NS	
Sept 2		Monroe, CT	
Sept 2		Toronto ON	Great exhibits!
Sept 2		Bordeau Park ON	
Sept 2		St. John's, NL	
Sept 4		Edmonton, AB	we would like it even if we didn't know you!
dept		Cornwall	Beautiful
"		Lindsay Ontario	"
Sept 4		Bangkok Thailand	Nice
Sept 5		Tennessee USA	Informative!
Sept 5/6		BRANTFORD ON	

# Guest Book / Livre des visiteurs

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Date	Name / Nom	Address / Adresse	Comments / Commentaire
9/5/16		Scottsdale, AZ, USA	
9/5/16		Rhode Island	Beautiful!
9/5/16		St. John's	Long <sup>又歩葉 3!!:</sup> way to go! →
"		Victoria, BC Ottawa, ON	Wonderful Exhibit!!
09/2016		Québec, QC.	Nature is art :-)
7/9/16		Tortola BVI	Beautiful!
7/9/16		Brantford, ON	Fine exhibit!
7/9/16		Port Dover, ON	Great place to stop!
7/9/16		Cornwall PEI	Very Interesting
		Whitemouth, MB	
8/9/16		Midlothian, VA USA	Fascinating
9/8/16		Fenelon Falls, ON	interesting
9/8/16		TH FENELON FALLS	Great Place
9/8/16		Winnipeg, MB	
9/8/16		Ottawa, ON	- Wonderful
9/8/16		Calgary, AB	Amazing place to learn
9/8/16		Ottawa, ON	Fantastic
9/8/16		Dakorele ON	Super
9/8/16		Hagersville, ON	So beautiful
9/9/16		Victoria B.C.	

## Guest Book / Livre des visiteurs

## Boundary|Time|Surface

Date	Name / Nom	Address / Adresse	Comments / Commentaire
Sept 9/16		Ennismore ON	Fantastic!
"		Alday 14 Olsen, Ferguson, ont.	
Sept 10		und - Toronto Bell - Campbellford	
Sept 10		Charleston, West Virginia, USA	
"		Vancouver	B.C.
Sept 11		Victoria BC	Fascinating
"		Sudbury, ON	Well presented!
Sept 12		Edmonton, AB	Wonderful.
Sept 14		Perth, ON	Fantastic!
Sept 12		Gatineau On	
Sept 12		Oshawa ON	Great displays!
Sept. 13		Lethbridge, Alta.	Nicely Done!
Sept		Green Carleton Place, Ontario	:-)
Sept		Eldorado, NS	Interesting different perspective
"		~ Windthorst, Sc	
Sept 14			
Sept 16		Dulmen, Ont.	
" "		Edson Alberta	Interesting
" "		Galters AB	"

## Guest Book / Livre des visiteurs

## Boundary|Time|Surface

Date	Name / Nom	Address / Adresse	Comments / Commentaire
9/17		Hudson Bay, back	Very good!
9/17	USA 01301	so happy thank you	
9/18	ch	Edmonton, AB	wow! informative w/ presentation
9/18		Corner Brook NL	Long the variation of print, video, sound and photography
9/18		Colorado Springs, CO	The art makes me feel. :)
9/18		Deer Lake NL	I feel very at peace here!
9/18		Paradise, NL	Strata! :)
9/18		St. John's, NL	cool beans
9/18		Steilacoom WA	wonderful images!
0		Mahone Bay, NS	Amazing!
9/19		Chestermere, AB	Well done!
9/19		Richmond, BC	Beautiful!
20/09		Sydney, N.S., ab.	Great
09/21		Edmonton, AB	Ditto
09/22		Ft Macleod AB	A geotaged country
Sept 23		New Mexico	
		Nova Scotia	Really worth visiting
Sept 24		Piney Creek, AB	Real Manitoba in sl.
"		Kelowna, BC	Beautiful part of Canada
Sept 24/16		Corner Brook, NL	Quite The view

# Guest Book / Livre des visiteurs

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Date	Name / Nom	Address / Adresse	Comments / Commentaire
24 Sept		Long BEACH, CALIFORNIA	
24 Sep		Whitehorse, Yukon	
Sep 24		Edmonton AB	Stunning
" "		Nelson BC.	
26		St. Albert AB	beautiful
26		Vancouver AB	
25		Toronto, ON USA	Awe
26 Sept		Ottawa, Québec	Vraiment intéressant! Belles découvertes!
26 Sept.		Edmonton AB	Very Interesting!
26 Sept		Auckland NZ	very interesting
27 Sept		Chase BC	
26 Sept		Toronto Ont.	Great
28 Sept.		Cambridge, ON	Wonderful exhibit.
28 "		Ottawa ON	Great
29 Sept		Sault St Marie, ON	Beautiful AWESOME
30 Sept		Moosomin SK.	GREAT Exhibit
"		Inuvik NT	Awesome!
30 Sept		Calgary AB.	Nice exhibit

# Guest Book / Livre des visiteurs

## Boundary|Time|Surface

Date	Name / Nom	Address / Adresse	Comments / Commentaire
Sept 29		Oakville, ON	
"		Corner Brook.	
Sept 30		Toronto ON	Very Unique
Sept 30		ILLINOIS - MICHIGAN	
Oct 1		ZIMMERS, FL	
Oct 1		Roberts Arm NL	
Oct 1		Parksville, Vancouver Is. B.C.	
Oct 1		PETERBOROUGH ONT	THANK YOU -
Oct 1/16		REGINA, SK	Beautiful ♥
2/10/16		Feeleish, NSW AUSTRALIA	we were there yesterday You've captured the magnificence,
3/10/16		Chambey - France	Beautiful!
3/10/16		Edmonton AB	Amazing
Oct 4/16		N Delta (Vancouver) BC	NFLD Unbelievable island & National Park.
Oct 4/16		Elie MB	Wonderful!
10/4/16		St. Louis MO	USA
10/5/16		Lake Sam Rayburn, Texas	USA
10/5/16		Brookland, Tx	USA
10/5/16		California	USA
10/5/16		Akutanay ny	USA
10/5/16		Jasper AB CA	So Pretty!
10/5/16		" "	" "

# Guest Book / Livre des visiteurs

## Boundary|Time|Surface

Date	Name / Nom	Address / Adresse	Comments / Commentaire
Oct 5/16		Jasper, AB	Beautiful!!
Oct 5/16		Ashford	Gorgeous!
OCT 6/16		Paradise NL	Beautiful place!!
06. Oct 2016		- N.S	warms my heart thank you,
09/16		MISSISSAUGA	
Oct 7		Regina SK.	BRILLIANT! thank
OCT 7		Fort McMurray AB	Awesome!
Oct 7/16		dy. Saskatoon, SK	Beautiful!
Oct 8/16		Lakeside ON	Overwhelming
04.18/16		Vienna, Austria	Schön
--		St. John's	Interesting!
		St. John's	
		St. John's	
		St. John's	
		Halifax NS	
		Houston, TX	Wonderful!
		Corner Brook, NL	Fantastic!
Oct. 10 2016		St. John's	Love it

Name: \_\_\_\_\_

sketches & comments

Awesome show Sydney

Email: \_\_\_\_\_

Name: \_\_\_\_\_

sketches & comments

Inspiring geography - inspiring art.

Email: \_\_\_\_\_

Name: \_\_\_\_\_

sketches & comments

Love Green Point!!!

Email: \_\_\_\_\_

Exhibition: Boundary | Time | Surface

Name: \_\_\_\_\_

Email: \_\_\_\_\_

**sketches & comments**

Congrats Sydney - fabulous!

Name: \_\_\_\_\_

Email: \_\_\_\_\_

**sketches & comments**

Very elegant - especially enjoyed the  
slide show -

Name: \_\_\_\_\_

Email: \_\_\_\_\_

**sketches & comments**

The voices of the grandfathers are heard  
through your work.

Exhibition: Boundary | Time | Surface

Name: \_\_\_\_\_

Email: \_\_\_\_\_

### sketches & comments

Boundary/Time/Surface - yes! so much to think about. Beautiful work,  
Sydney.

Name: \_\_\_\_\_

Email: \_\_\_\_\_

### sketches & comments

REALLY INTERESTING & BEAUTIFUL  
WORK. UNDERWATER PHOTO/FILM  
EXCELLENT.  
WELL DONE.

Name: \_\_\_\_\_

Email: \_\_\_\_\_

### sketches & comments

Really a unique way of presenting your  
subject matter. - Great.

Exhibition: \_\_\_\_\_

Name: \_\_\_\_\_

Email: \_\_\_\_\_

### sketches & comments

TIME - the time  
how it is stretched &/or  
tightened during my  
engagement... -

KUDOS!

Name: \_\_\_\_\_

Email: \_\_\_\_\_

### sketches & comments

Congratulations on a great show.  
I've been there and I like the way  
you presented the images.

Name: \_\_\_\_\_

Email: \_\_\_\_\_

### sketches & comments

Bright. Great displays!

Exhibition:

Fairview, Alta.

Sept 28 / 19

Boundary / Time / Surface

Name: Oct 2/19.

Email: [REDACTED]

#### sketches & comments

Wonderful Show!!

Great use of materials, light +  
Space/Design.

Name: Oct 3 /19

Email: [REDACTED]

#### sketches & comments

So interesting.  
Colours + shapes captured the  
essence of the show

Name: [REDACTED]

Email: [REDACTED]

#### sketches & comments

Simplistic, yet effective. Why do we set up boundaries?  
Why is space divided and not open to shared use?  
First time @ gallery and it was lovely !!  
Will visit again.

Exhibition: Boundary | Time | Surface

Name: [REDACTED]

Email: Oct 10/19

Exhibition:

Sketches & Comments

A absorbing show from  
a creative mind.

Thanks, Sydne  
Jen

Name: [REDACTED]

Email: Oct. 12/19

Sketches & Comments

Fascinating! I'd love to visit  
Green bank. Wonderful concept.

Name: [REDACTED]

Email: Oct. 12, 2019

Sketches & Comments

Beautiful!

Exhibition:

Name: \_\_\_\_\_

*Sketches & Comments*

Email: \_\_\_\_\_

Name: \_\_\_\_\_

*Sketches & Comments*

Email: \_\_\_\_\_

Name: \_\_\_\_\_

*Sketches & Comments*

Email: \_\_\_\_\_

*very interesting format - I will look into how it is done. Thanks.*

Name: \_\_\_\_\_

Exhibition:

Email: \_\_\_\_\_

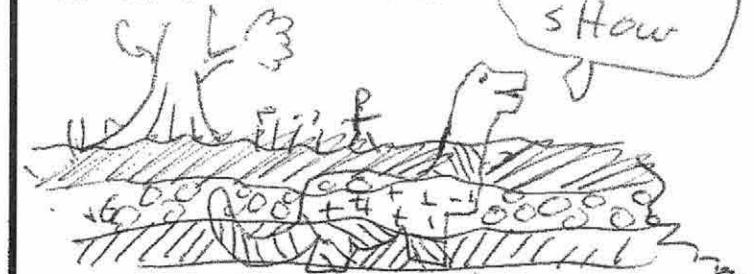
Name: \_\_\_\_\_

Email: \_\_\_\_\_

Name: \_\_\_\_\_

Email: \_\_\_\_\_

Sketches & Comments



Sketches & Comments

THANKS!

Sketches & Comments

Beautiful work, love the layers and  
sense of time.

Thank you

Exhibition:

Name: \_\_\_\_\_

Email: Oct 12 / 2019

Name: \_\_\_\_\_

Email: \_\_\_\_\_

Name: \_\_\_\_\_

Thanks

Email: \_\_\_\_\_

**Sketches & Comments**

Unique take on 2 eras and how we assume on what things on the past were like/looked like.

**Sketches & Comments**

I felt the definition of time w/ this work. Space to breath, moments of stillness while surrounded by natural movement + progression of time

**Sketches & Comments**

Thanks for bringing experiential knowledge of a fabulous site!