

MAKIVIK

magazine

- ۱۹۹۲ من ۱۹۹۲ من ۱۹۹۲ من ۱۹۹۲ من ۱۹۹۲ من ۱۹۹۲ من ۱۹۹۳ من ۱۹۹۳ من ۱۹۹۲ من ۱۹۹۳ من ۱۹۳ من

ייסל ביט ארלי

Bringing Awareness to Nunavik's Ivakkak Dogteam Race

- Government Recognition of Traditional Adoption
- · Reasons to Stay in School

...and much more



LPል⁶ d4>ሒ5°

Paphnus LPCL/4500.

Makivik Corporation

Makivik is the ethnic organization mandated to represent and promote the interests of Nunavik. Its membership is composed of the Inuit beneficiaries of the James Bay and Northern Quebec Agreement (JBNQA). Makivik's responsibility is to ensure the proper implementation of the political, social, and cultural benefits of the Agreement, and to manage and invest the monetary compensation so as to enable the Inuit to become an integral part of the northern economy.

LPAS SPESPASCE

לה"ם, סיף שלה"ב הי. סול, אלדרול (לבולי), מינב מרוש סיבינול מחשרי.

Makivik Maaazine

Makivik Magazine is published quarterly by Makivik Corporation. It is distributed free of charge to Inuit beneficiaries of the JBNQA. The opinions expressed herein are not necessarily those of Makivik Corporation or its executive. We welcome letters to the editor and submissions of articles, artwork, or photographs. Please include your full name, address, and telephone number.

LP'Ad' >'De'5"C'

₹ν Cεεδαν, αρρίερερ (o D') is, Pabbent Lab 4° N 1460', 4° L N' L L'

Makivik Executive

Jobie Tukkiapik, President Johnny Peters, Resource Development Vice-President Michael Gordon, Economic Development Vice-President Anthony Ittoshat, Treasurer Andy Moorhouse, Secretary

۸٬۲۹۲۲۸٬۲۹،۵۰۲ مهد

We wish to express our sincere thanks to all Makivik staff, as well as to all others who provided assistance and materials to make the production of this magazine possible.

'PΓ'24~D'N /Editor 「4년 / Bob Mesher

▷ኄ▷ሶ▷′ ∇′ሩው° ው'በሒኑ'/Translation À ﴿ عَالَ ﴿ كَالَّهُ ﴿ كَالَّهُ ﴿ كَالَّهُ ﴿ كَالَّهُ ﴿ كَالَّهُ ﴿ كَالَّهُ ﴿ كَالْمُ اللَّهُ لَا الْمُعَالِّهُ لَا الْمُعَالِّهُ لَا الْمُعَالِّمُ اللَّهُ لِلْمُعَالِّمُ اللَّهُ لِللَّهُ اللَّهُ لِللَّهُ اللَّهُ لِللَّهُ اللَّهُ لِللَّهُ اللَّهُ اللَّالَّا اللَّهُ الللَّهُ ال

9-6 41 48 81CD46 1 66 V4 8 96 Published by Makivik Corporation P.O. Box 179, Kuujjuaq, Quebec JOM 1C0 Canada ^Տեշ Ւ Ո [%] L / Telephone: 819-964-2925

*\$~\$PF\$74\$C\$6 (PF\$74&5) *Contest participation in this magazine is limited to Inuit beneficiaries of the JBNQA.

۲۵٬۸۵۴٬۵۰۰ خانه ۲۵٬۸۱۸ کره ۱۹۵۵ که ۱۵ مرزی 'PrLLԳ, ¿PeT¸°°ÇΥ,٩U¬, P>¿CDU,५५,

Front cover: Harry Okpik, a regular participant in the Ivakkak race, has his dogs vaccinated to stay healthy. Photo by Bob Mesher.





Cbda و کے / This Season

σ^c Λ^c 4^{c} 6 Λ^{5} 2 6 6 6 9 6 9 6 1 6 9 $\Lambda D H^{\circ} U J^{\circ}$.

 ρ_{c} ρ_{c} $ad^{5}Lc$. $\Delta \Delta \Delta^{c}$ $\Lambda D d^{5}L^{1}$ $\Lambda \Gamma D^{5}dL \Pi \Gamma \Gamma \Gamma d c^{5}\Gamma^{c}$ d c $P^{5}J\dot{c}^{5}J \sigma \Gamma G^{5}D \Delta^{c}$

۵٬۶۱۲ ۱۲۹۹ ۱۹۹۸ مورور ۱۳۹۸ مورور ۱۳۹۸ ۱۹۹۸ ۱۹۹۸ مورور ۱۹۹۸ مورور ۱۹۹۸ مورور ۱۹۹۸ مورور ۱۹۹۸ مورور ا

 $\Delta = C^{1} \cap \Delta =$ Δ CLPDCLUPY, Ubdated $P_{\mathcal{C}}(\mathcal{C}, \mathcal{C})$ $\mathcal{C}(\mathcal{C}, \mathcal{C})$ $\mathcal{C}(\mathcal{C}, \mathcal{C})$ $\mathcal{C}(\mathcal{C}, \mathcal{C})$ $\mathcal{C}(\mathcal{C}, \mathcal{C})$ ۲۰ ۱۹۹۸ Δ^{c} d^{c} d^{c $\Delta \subset b^{\epsilon} \supset \sigma^{\epsilon} \supset \sigma^{\epsilon} \cup \sigma^{\epsilon} \subset \sigma^{\epsilon} \cup \sigma^{\epsilon} \cup$ عد۵۲۵۵۱۱ ۱۲۵۱ کی کدیو طور در ۱۲۵ کی بولز آری کا در از کا در Λ DYD'belan'b'YC. LP° &'b'TYJ' NebblJNelb " Λ C'e Λ 0'Ye Λ 5) Γ 6, 6° 0° 0° $\Delta \dot{\omega} \dot{\Gamma}^{\dagger} \Gamma J^{\dagger} \Lambda \Lambda \dot{\Gamma} J^{\dagger} b^{\dagger} \Gamma^{\dagger} \sigma^{\dagger}$. $\Lambda^{\dagger} \sigma \omega^{\dagger} J^{\dagger} d \Lambda^{\dagger} \Gamma^{\dagger} \sigma \omega^{\dagger}$. $\Lambda^{\dagger} L \Delta \dot{\omega} \dot{\Gamma}^{\dagger} \sigma$ $\Delta = L^{\delta}\Gamma^{*}\sigma^{*}$, $\Lambda + L D \Gamma^{\delta} G^{\delta} G^{$

ducation has always been important for people to get ahead in life. The means to an education and the ways things are learned change over time, depending on trends, methods, and what is important to learn. At one time life was lived from the land. Young Inuit learned mainly by imitating the adults, and hearing their stories and philosophies of life. It was a less formal system, although very crucial and successful for those realities.

 $\Delta \triangle \Delta \Delta^{\circ} \triangle \triangle^{\circ} \Delta C^{\circ} = A \cap (C + \Delta^{\circ})$

For example it wasn't necessary to learn how to repair a vehicle but it was necessary to know how to handle a dogteam. Thankfully, traditional Inuit skills are still being handed on, but these are not the only means to a living.

In a relatively short span of time, Nunavik has come from a hunting and gathering culture with learning included in daily life, to formal classroom situations with teachers at the blackboard and students at their desks, to diverse combinations of teaching mediums that include cutting edge technologies.

In Nunavik we have our own competent school board and cultural institute. We also have Makivik's mandate to "foster, promote, protect and assist in preserving the Inuit way of life, values and traditions" and, a very important component of preserving Inuit culture while melding into modern society — education is vital. We encourage all students, and families of students, to have great pride in educational achievements, which "can and should, be determined by the Inuit of Nunavik, and guided by Inuit educators."

کے د ℃ / Contents

Δ_οΔ^c δ^ου^cC λ δ^ου O8

Rare Earths Elements, Identified

4⁵)Δσ⁵⁶ ΛΝ⁴⁵⁶/(4⁵)Δσ⁵⁶ ΛΝ⁵⁶Γ)⁵⁶
Good Touch/Bad Touch

أن Δ٩, ܡ٩ܡ٩٤٤ First Air, Nirlivallaat

בבאיר אבלאהילי שלי הלוחילתבירל ארי Nunavik Creations Update

ハゼトハブウン Legal Tips 30

GCYDTC CdCYDY*
Polar Point of View 34

کرے مرام کور کر کا میر کر کا کے کر کر کا کے گاؤ کر کے گاؤ کے کہ کا میں کے کہ کا میں کے کہ کا کے گاؤ کر گاؤ کے گاؤ کر گاؤ کے گائ

مده^۱۲٬ ۱۲٬۲۲٬ ا

PPD COT へからりくのでくくくい つってい くっとしている Scenes from the Arctic Winter Games

D Λ L⁵ D Δ^c Youth

حد٥٠٠١/١٥٠١ أح ٥٤٠٥ أحنى \$200 مه ا نح ما ١٠٠٥ مر المرافع المرفع ال

The first-place prize for correctly guessing this mysterious picture is \$200! Bonus prizes: Four other contestants will receive a T-shirt for their winning answers.

Congratulations to Bobby Nowkawalk of Inukjuak who correctly identified this picture of the police cruiser. Other fine prizes went to Sammy Shennungnuk, Louisa Mulucto, Alec Koneak, Christina Nowkawalk whose guesses were correct and names were pulled from the hat.



کنہ کے?/WHAT IS THIS?

This is an image from the new movie, *Maïna*, which was partially shot in Nunavik and will include several Nunavimmiut on the big screen. Read more in our next edition.

- % Φ Λ C P° α > Λ C Λ C P° α > Λ C P° α > Λ C P° α A C

You could win \$200 if you guess what this mysterious picture is. Mail your answer to "Mystery Photo Contest" at the address shown below. Good Luck!

የ^ኤህ'÷' c c ላበ^ኤቦ' ላ c ላ c ላነነት እርላፈ c c LP°«» ላ c ላ c ለ c



Winners of our next Mystery Photo Contest will be drawn in Kuujjuaq on Friday, September 14, 2012.

√్ ి J ర్ ఉ ఎ జ్ ఎ ్ ఎ్ ∧ ద ల్ స్ J ౧్ క్ హ్ ీ L P్ డ్ Mystery Photo Contest Makivik Corporation P.O. Box 179 Kuujjuaq, Quebec JOM 1C0

Δ°° L~U°CC D L J N° C C ۵۲°۲6 - ۲۲۳ 2001- اعد ٧٥٥-٩٩٢٥-١٩٩





Evolution of the Ivakkak Rules Since 2001

Writer Isabelle Dubois and photographer Pierre Dunnigan.

᠙᠈ᡏ᠘᠄᠘ $^{\prime}$ $^{\prime}$ $^{\prime}$ $^{\prime}$ $^{\prime}$ $^{\prime}$ $^{\prime}$ $^{\prime}$ $^{\prime}$ $^{\prime}$ $P4LP_{e}CD_{e}$ د ۵۰ ۵۵ موا۱ ᡏ᠙ᡷᡝ᠁ᠮᠲᡄ᠂᠗ᡒᡁᢗᢆᠴᢩ᠂᠂ᡏᠳᠬ᠈ᢣ᠘᠆᠈᠐ᢇ᠐ᡕ᠃᠐᠘ᡒᡒᠾ᠅᠌2001-᠘᠘᠘ᢋᡄ᠐᠈ᢣ᠘᠒᠘᠘ᢆ ᠴᠣ᠘᠐ᠵ᠂ᠣᡄᡄ᠋ᢆᡶᡥᢛ᠅᠂ᡰ᠘ᡃᢉᡶ᠅᠂ᢣᡰᡄ᠐ᡙᢗ᠐ᢐᡳᠲ᠒ᢇᠾ᠂ᢗᠺ᠋᠘᠘ᡥ᠘ᡩ᠘᠐ᢆᡑ 4^{6} 4^{6 $4^5J\Delta^c$ $4\sigma J^5C-4\Pi^5 \Box \Gamma^c$.

Ċ° م L-C%%JUCDYL4% ᠮ᠘᠙᠙ᠳ᠘᠙᠘᠘᠙᠘ ىلد⁻∿ا1،-2006. \dot{C}^{\dagger} ∇^{ζ} ∇^{ζ} δ^{1} δ^{1} δ^{2} δ^{2 6 1916 $^{\circ}$ ይልሆን $^{\circ}$, $^{\circ}$ ታ ው $^{\circ}$ ይልሆን $^{\circ}$ ይልሆን የደረጉ ነገር ነው የ 6Lr>66~0562°JL°ic.

2007-%Je503J, JPCPN%a46e7eP57LP% __ee6__6 J566Ce%le57N% $^{\prime}$ 4^{5} 6 $\frac{1}{3}$ 6-20 $\frac{1}{3}$ 7-20 $\frac{1}{3}$ 2008- Γ Λ^{C} 4 Π^{C} 5' Π^{C} 7) Π^{C} 7C Π^{C} 0' Π^{C} 1' Π ۸۲۵٬۲۵۸ و ۲۵۵۹-۲ ۸۵۲۵٬۴۵۱ مارکنه ۱۲۵۸ میرون ۸۲۵٬۲۵۸ میرون ۸۲۵٬۲۵۸ میرون ۸۲۵٬۲۵۸ میرون ۸۲۵٬۲۵۸ میرون ۸۲۵٬۲۵۸ میرون ۸۲۵٬۲۵۸ میرون می ۵۲۱۲ من ۱۲۸۲ میر ۱۲۲۸ میکرد ۱۲۲۸ میکرد ۱۲۲۸ میکرد ۱۲۲۸ میلاد اور ۱۳۸۸ میکرد ۱۲۸۸ میکرد از ۱۲۸ میکرد از ۱۲۸۸ میکرد از ۱۲۸۸ میکرد از ۱۲۸۸ میکرد از ۱۲

۵-۵۲ و اور ازره کی ۱۹۰۱ و ۱۹۰۱ و ۱۹۱۱ و ۱۹۱ و ۱۹۱۱ و ۱۹۱ و ۱۹۱۱ و ۱۹۱۱ و ۱۹۱۱ و ۱۹۱ و ۱۹ و ۱۹۱ و ۱۹ و 9°CJ7Ujc%UJ~a~4%r°. d'44F2 C707F2 40<25F2 60°7U' 76°2/- $C^* \subset LD + S^* \subset LD + S^* \cap L^* \cap$ ᡏ᠋ᡏᢋ᠘ᡶᡄᡥᢗᢗᠪᡳᠮᠳ᠔ᠺᡒᢧᡶᠸ᠘ᢖ᠘ᡒ᠙᠘ᡀᡳ᠘ᡒ᠙᠙ᠳ᠙᠘ᡒ᠙᠘ᡒ᠘ᡒᡶᡓᡚᡧ $\nabla_{\Gamma} \nabla_{\Gamma} \nabla_{\Gamma$

he Ivakkak dog team race is still alive and well over a decade after the time of its inauguration in 2001. Makivik, along with the support of other sponsors and mushers from all around Nunavik, created the race to encourage Nunavimmiut to carry on the dog sledding tradition that almost disappeared following the infamous slaughter of husky dogs by the authorities between 1950 and 1970.

The rules for the Ivakkak dog team race have definitely changed since the first race in 2001, fined-tuned each year with input from the participating mushers.

For one, a partner now accompanies each musher whereas they previously raced alone with their dogs. This rule that obliged them to have a partner was introduced in 2006, when teams decided to run autonomously, crossing inland from Puvirnitug to Kangirsuk. A partner made it safer for each musher when travelling without snowmobile support. The rule also makes sense considering that, traditionally, Inuit seldom travelled alone by dog team. Moreover, having a partner, usually a youth, is an opportunity to teach someone younger about handling a dog team.

In 2007 it was decided to go back to racing from one community to the other, giving more people a chance to see the dog teams as they passed through the communities, rather than crossing inland. There was no race in 2008 because there was a decision to have it every second year instead of every year to give new teams more time to train. However the race was returned to an annual event again in 2009, by popu-

Except for in 2006, the dog teams had gotten used to covering around 65 kilometres each day. And although it was nice to camp together as a group each night, the mushers felt they needed more challenge. For



 L^2 L^2

 i^{4} 40^{6} Δ^{6} i^{6} i^{6}

۴۲٬۲۵۱٬۵۱۸ و ۱۵۵٬۵۰۸ ه ۱۵۰٬۸۰۸ ه ۱۵۰٬۲۵۰ و ۱۵۰٬۵۰۸ و ۱۵۰٬۸۰۸ و ۱۵۰٬۵۰۸ و ۱۵۰٬۵۰۸ و ۱۵۰٬۵۰۸ و ۱۵۰٬۵۰۸ و ۱۵۰٬۵۰۸ و ۱۵۰٬۸۰۸ و ۱۵۰٬۵۰۸ و ۱۵۰٬۵۰۸ و ۱۵۰٬۵۰۸ و ۱۵۰٬۸۰۸ و ۱۵

U'bd Λ %Li $\dot{}$ 4' $\dot{}$ 5' 'P1' $\dot{}$ 1' 100 Pe $\dot{\dot{}}$ Ce $\dot{\dot{}}$ 4' $\dot{\dot{}}$ d' $\dot{\dot{}}$ A' $\dot{\dot{}}$ C' 'P1' $\dot{\dot{}}$ A' $\dot{\dot{}}$ C' 'P' $\dot{\dot{}}$ C

the 2012 edition of Ivakkak, it was decided that, although the race would still run from one community to the other (in this case, from Kangiqsualujjuaq to Kangirsuk), they would not be timed. Aside from mandatory layover periods of 18 hours at Kuujjuaq, Tasiujaq and Aupaluk, the racers worked out their own schedules and strategies to make the best of each day on the trail. The first team to make it to the finish line in Kangirsuk would be declared the winner.

Besides the challenges of the weather, each team of eight to 12 husky dogs, a master and a partner, was self-

sufficient and carried all the supplies they needed to complete the journey between each community along the way.

The 2012 race started in Kangiqsualujjuaq on March 13 with 12 participating dog teams from six communities: Kuujjuaq, Tasiujaq, Kangirsuk, Quaqtaq, Kangiqsujuaq and Puvirnituq. It took the leading dog teams only two days to cover the 200 kilometres from Kangiqsualujjuaq to Kuujjuaq. They were delayed in Kuujjuaq an extra 24 hours due to the wind and heavy wet snow.

It then took some of them just over a day to cover the next 130 kilometres from Kuujjuaq to Tasiujaq, where they were

delayed by another blizzard. Meanwhile, Allen Gordon had injured his leg while in third place and his team had to return home to Kuujjuaq.

Team-leaders Harry Okpik of Quaqtaq, Johnny Arnatuq of Tasiujaq, and Billy Cain and Johnny Angnatuk of Tasiujaq ended their participation in the race in Quaqtaq, defeated by harsh weather. By then, the six leading teams had already passed Aupaluk, covering the 70 kilometres in just half a day, and were already on their way to Kangirsuk. Noah Ningiuruvik's team had to wait out a storm in Aupaluk.

L-L-D~JNDP18%L-DF7L4°

\(\Delta \cdot \beta \Delta \cdot \c

The rules for the Ivakkak dog team race have definitely changed since the first race in 2001, fined-tuned each year with input from the participating mushers.





IVAKKAK2012

LP°AD' 4^{th} UC 5^{th} UC 1^{th} UC $1^{\text{th$

Makivik Vice-President Michael Gordon was there to present trophies and praise the dogteam drivers and organizers of the race.

 $P\sigma^bbP\dot{r}^c$ $\Lambda^bP'L^{\dagger}C$ $404L^5\sigma^c$ $4^c75P'L^2\sigma^c$ 'True to its name, the Ivakkak dog team race is now running at its best pace' $404L^2L^3\Gamma^2\sigma^c$ $4^cD^c7d^5\Pi^2\Gamma^bD^cC^2L^{\dagger}C$, $4^c\Delta^c\Delta^c$

The six remaining teams covered the last 100 kilometres of the race in one very long day, the top five making it to Kangirsuk on March 20 — eight days after the start. Peter Kiatainaq, already five-time lvakkak champion (2004, 2005, 2006, 2007 and 2011), crossed the finish line again in first place after covering a distance of about 500 kilometres, which was one of the longest lvakkak itineraries.

He was followed almost four hours later by Ivakkak 2010 champion Willie Cain Jr. of Tasiujaq. Ivakkak 2009 champion Novalinga Novalinga of Puvirnituq was closely behind Willie, followed an

hour later by Ivakkak 2002 champion Junior May of Kuujjuaq and Peter Boy Ittukallak of Puvirnituq arrived after midnight. Willie Kulula of Quaqtaq came in early the next day, on March 21, as another storm was forming.

Closing ceremonies were held during the evening of March 21 Kangirsuk. The gold medallist received a \$12,000 gift certificate from the FCNQ, a \$12,500 cash prize from Makivik, and a pair of return tickets to Montreal from First Air and Air Inuit, and gift certificates for double occupancy at the Quality Inn Suites. Various prizes

were also presented to the silver and bronze medallists, and others were drawn for all 12 participating teams. Although half of them could not finish the race, all were deservedly rewarded.

Congratulations to all participants, including the race coordinators, Charlie Watt Jr. and Charlie Alaku, who made this possible despite the complex logistics.

Adapted from "True to its name, the Ivakkak dog team race is now running at its best pace" by former Ivakkak coordinator, Isabelle Dubois







ላና ትር ያስተለ ነው። የሚያ ነው። የተመረ ነው። የሚያ ነው። የሚያ

 $\Delta_{\Delta}\Delta^{b}d^{c}$ %b\L\p\JL\p^c\D\A^c\D\AFT\bar{c}\D\Ab\Color=\D\

የቃቡርናብሀር ምርዕካሁፈርዕት ያሁደት የሚካሀር ህትምርዕፐሩ ጋር

 $\Delta_{\Delta}\Delta^{c}$ 'b%L'C4'dN%L, e, \NICALF, e,

- L¹2⁶ γ¹L² Π¹6⁸ ⁸ΓΩΙ² (¹P¹4 Π Γ¹C¹6) ⁸ ΓΩ¹ α ¹D¹ α

Project Sparrow

Air Inuit expresses our appreciation to Kativik Regional Government and Kativik School Board for their participation with Air Inuit in a summer trial project — the provision of flying lessons in the north from June to October. The project is designed to enable Nunavik aspirants to acquire a private pilot's license near the air operation and in a home environment. It is our hope that the project will be successful and that it will extend to other home based training possibilities in the future.



Fleet renewal program completed

The renewal of the Air Inuit fleet was a central component in our long-range transportation plan approved by the board in 2008. This program has now been completed with the following results:

- Two gravel capable B737 combi aircraft are on line.
- Seven Dash 8-300 passenger combi aircraft are on line.
- Two Dash 8-100 passenger combi aircraft are on line.
- Two Dash 8 freighters and the Dash 8 combi fleet have replaced the HS 748 fleet. However, Air Inuit has retained one HS 748 with a large cargo door for exceptionally large items.
- Our small turbo prop fleet remains at seven Twin Otters and three King Airs.

The Dash 8-300 passenger combi aircraft were extensively modified by Air Inuit prior to its induction into service: An expanded



 $\dot{b} \ LP^{\alpha}N^{c} \ d^{3}L4^{5}\dot{b}L\lambda^{\beta}L \ \dot{d} \ \Lambda \ C^{5}Pd\Lambda^{b} \ D^{\dot{b}}N^{\dot{b}}L\lambda^{6} \ \ "\Lambda_{\alpha}J\Pi_{\alpha}d^{3}LL^{c} \ \ '\Lambda^{\dot{b}}L^{$

Makivik President Jobie Tukkiapik speaks to the "Project Sparrow" pilot students about the importance of education for Nunavimmiut, especially that this training can take place within the Region.

ject to build Air Inuit's brand new technical centre. As we recall, the hangars that Air Inuit historically leased from the airport were scheduled to be torn down in order to expand the terminal — this obliged the company to come up with an alternative plan and the new technical centre is the result of that process. We trust that this state-of-the-art facility will provide Air Inuit with the ability to provide continuously improving air service to Nunavik (and elsewhere) for many years to come. The new technical centre houses its own terminal for charter flights as well as a new heavy maintenance component. We would be remiss were we not to mention that Pierre Charron is Air Inuit's longest serving employee, having joined the company on July 25, 1979, which was less than one year after the operating certificate was awarded to the company. Bravo et Merci Pierre.

- $\mathsf{L}^{\mathsf{c}}\dot{\mathsf{c}}^{\mathsf{b}}$ $\dot{\mathsf{c}}^{\mathsf{b}}$ C^{b} C^{b} C^{b} C^{b} ۵۵۵ م ۵ د نکه.
- $L^{\dagger}\dot{P}^{\dagger}$ \dot{C}^{\dagger} \dot{P}^{\dagger} \dot{C}^{\dagger} \dot{C}^{\dagger} \dot{C}^{\dagger} \dot{C}^{\dagger} \dot{C}^{\dagger} \dot{C}^{\dagger} \dot{C}^{\dagger} \dot{C}^{\dagger} \dot{C}^{\dagger} ውናለበ_ም ላርውረዓያው ውና የትርያ ሚለበት *የም*ርርፋብ ሀረላ ርደ $\Delta c^{\circ} \dot{\Gamma} \prime L c^{\circ} \dot{\partial}^{\circ} L^{\circ} \dot{\Gamma} c \dot{\partial}^{\circ} \sigma^{\circ} 748 - c^{\circ} \sigma^{\circ}$. $U 1^{\circ} b = 0$ ۵۲۲، برحی میلا 4° C $^{\circ}$ C DNՐ∿Ր° ← σ 45 ГJ.
- $Lbf_{\rho} \cap f_{\rho} \cap f_$ በ'b°ቦ $^{\epsilon}$ ሬጋJ $^{\epsilon}$ ለ°ሀረታ $^{\epsilon}$ ጋ $^{\epsilon}$ L'? $^{\epsilon}$ 42' $^{\epsilon}$ ለ°ሀረታ $^{\epsilon}$ $^{\epsilon}$ Р° $^{\epsilon}$ 44 $^{\epsilon}$. Ubd4 6%(C4'\ΠιΓ4' Ċ\8-300-÷' Δω(ΟΝΟ\ΛΠ') Ολυζωίου ۸۸-۱۹۰۱ کاکه د و ۱۳۰ مالاک ۱۸۶۲ ۲۳۰۲ (۱۹۵۷ د ۱۳۰۲ میلاد) $\Delta A_1 = \Delta A_1 + \Delta A_2 = \Delta A_2 + \Delta A_2 = \Delta A_$ $C_{\rho}L_{\rho} \sim \nabla \gamma_{\rho} = \Lambda_{\rho} \Lambda_{\rho} = \Lambda_{\rho} \Lambda_{$

 $\nabla^{2}\nabla^{2}$ 4ጋ'ርፆJ˚ α ' β 'C¿ነበ α ቦ' Γ° δ α /Γ'C δ ° α 3500- α ° Δ በኒ° α ° ተ β J' 46.44 6.449°°)-0°'10° 0°°'10°.

PPCC4cU1c\UrL4AUcU1c 4b59Rc4aPcC-ᡝᠳ᠒ᡧ᠙᠘ᡀ᠙᠘ᡀ᠙᠘ᡀ᠙᠘᠘᠘᠘᠘᠘᠘᠘᠘᠘᠘᠘᠘

J016,L V.79L05, 75,PC4 V.458,

'የ**୮**'የታ**ኦ**'ረታ).

26243FV4 ۸ď٩ ۲۶**Ġ**° $\Delta \Delta \Delta_{\rho} q \Phi$ λ^{5} Δ^{5} Δ^{5} Δ^{5} Δ^{5} Δ^{5} Δ^{5} Δ^{5} Δ^{5} Δ^{5} אסאיָטרניר עירי שייאיפטוָכיאלנ PO.54 אין אַטניףכי עיריפועוָרוּר PO.43 איי ٥٢٠٦١ / ١٥٦٥ مر ١٥٦٥ مري ١٥٦٥ مري الله المعلى الم $\Delta = \Delta^b d^c$ $\Lambda^c = d \Gamma d - c^b = b \cdot d + b \cdot \Lambda^c + b \cdot \Lambda^c + b \cdot \Delta^c + b$ ᢀ᠒᠙᠘᠙᠘᠙᠘᠙᠘᠙᠘ L_D40. ᢇᠳᢨᡄ᠙ᠬ $L_{A_c}UCDIF_{\ell}\Phi\Phi=\nabla F_{\Gamma}\Gamma C$ 4° CPC 4° CPC 4° LC وموردغوع مهدد العماءي مدروهها والمعارية - CF, σ $\nabla^{\alpha}\nabla^{\beta}$



Air Inuit Captain Annie Grondines and First Officer Sammy Mseffar.

"Class C" (fireproof) aft cargo hold was installed with new cockpit flight management systems and a complete "heavy check" (complete overhaul).

Air Inuit developed the Dash 8-300 freighters exclusively for use on our 3500-foot gravel runways, maintaining a common primary fleet for the large turboprop operation.

We wish you good travelling on the renewed fleet and appreciate the support of our owners and during this significant endeavour.





Δ _Δ Δ ^c Λ ^c → l C d c ^c → c ^c l d c ^c			
Λ ^c 47Å ^c Services	L°) ۲ 4 Γ′ : P 'b = P N° Local Numb		
۹۵⊂° ۲′ه ⊂ می ۸۵ Administration	514-905-94		
Δ የ J Ո ^c አ _C ጾ ^s ል ^b Reservations	514-905-80		
ባ°ር ጋ ባ¹b ¹ ል ♭ Charters	514-905-94		
ላቦ∸ሬታ⁵ጋራሌል⁵ Dispatch	514-905-94		
''d L \ L L ላ ያ Maintenance	514-905-94		
کےΔ ^c ۵۲ کے کے کار	514-905-94		
▷ ґ ^ҁ ५፫ ሒል⁵	514-636-30		

Air Inuit Technical Centre Administration and Maintenance 6005 Côte-Vertu Boulevard Montreal, QC H4S 0B1

L つかく	montreal, QC 1115 0D1	Montreal, QC 1143 OD 1		
Administration ΔPJΠ ^c \= P ^s Λ ^b Reservations 514-905-8008 1-800-361-2965 514-905-9418 4 ^c C) 4 ^c b ^s Λ ^b Charters 514-905-9402 1-800-361-5850 514-905-9414 4P ^c \= P ^s D ^c Λ ^b Dispatch 7 ^c d Γ Γ L 4 ^c σ 4 Λ ^b Maintenance Δ Δ Δ ^c 4 P ^c \= c ^b L 4 ^c P C ^{cs} P Λ ^b L ^c Passenger Terminal P σ ^c \= C Λ Δ ^b 514-905-9415 1-800-361-2424 514-905-9420 1-800-361-2424 514-905-9421 514-905-9421 514-905-9421 514-905-9413 1-800-361-1288 514-905-9881		۵،۴۵۵۵،۵۱	٥٩٩٥ م	Ⴤ₽。Ⴢ٩¿UኁባህቇႱ。
Reservations 514-905-8008 1-800-361-2965 514-905-9418	=	514-905-9445	1-800-361-5933	514-905-8916
1-800-361-5850 514-905-9414 Δρειρείος Δδε	- · · · · · · · · · · · · · · · · · · ·	514-905-8008	1-800-361-2965	514-905-9418
Dispatch 514-905-9401 1-800-361-8456 514-905-9416		514-905-9402	1-800-361-5850	514-905-9414
Maintenance 514-905-9420 1-800-361-2424 514-905-9422	=	514-905-9401	1-800-361-8456	514-905-9416
Passenger Terminal 514-905-9413 1-800-361-1288 514-905-9881 Pt ⁻¹		514-905-9420	1-800-361-2424	514-905-9422
514-636-3901 - 514-636-7414		514-905-9413	1-800-361-1288	514-905-9881
		514-636-3901	-	514-636-7414

ᡥᠣ᠘᠆ᡥ᠐ᡶᠨ᠙ᠳ᠙ᡱᡄᠻ᠋ᡛᢤᠮᠮ᠖᠒᠇᠘ᠴ᠂ᡓᢆᠪ᠘ᠵᠰᢁ᠘᠆ᢃ᠘᠆ᡥ᠘᠆ᡥ᠘᠆ᡧᠣᢥ᠕᠙ᡏ᠘᠐᠙᠙ᢗᡓᡄᢉᠫᡥ $\Lambda^{(2)}$ $\Lambda^{(3)}$ $\Lambda^{(3)}$ $\Lambda^{(3)}$ $\Lambda^{(3)}$ $\Lambda^{(4)}$ $\Lambda^{($ ᢗᢩᢛᡳ᠘ᠵ᠘᠙ᢗᡶ᠙᠘ᢗᡶᢛ᠂ᢐ᠘ᡶᠲ᠈᠘ᠳ᠙᠘ᢗᠫᡆᢔᠲᡒᠻᢋᡕ᠐᠘ᡶᡀᠲ᠉᠘ᠸᡥᠲ᠘᠕᠘᠙᠙᠘ᡶᠳ᠈ 'اهُول'(کزه و ۲٬۶۲۲ک محلار ۱۳۵۴ ۸۰۰ مراز ۲٬۶۴۲ مصصاط من ۱۹۵۳ معرفر مع ۸ محرک (۱۹۵۸ محرک ۱۹۵۸ میلاند) δ^{5} δ^{5 Λ $\dot{}$ $\dot{}$ Λ

ᡒᡄᡳᠤᠮ᠌ᢧ^ᢗ᠂ᡏ᠋ᠸ᠘ᡥᢣ᠘ᠴ᠕ᠫ᠋ᠴ᠔ᠺᡏᡆᠵ᠓ᠫᠴ᠘ᠮᡠᡰ᠋ᠮᡶᡧᠻᠣᡏᠳᠮᠮ᠈᠕ᡣ᠘ᠻᠷᡥᠾᢗ᠂᠙ᡃᠪᠳᢗᢣᡆᢑ᠂ᡏᢗᠺᡟᡲᢆᠮ $\Lambda^{\sigma} \zeta_{\nu} V_{\nu} V_{\nu$

የምርሪያ፣ ለተርፈት ለ፣ ለነገሀውነ፣ አውካር ላይነው ምርና

 CL^1 CL^1

ተ৯eናለበ_ይቀ ላይbe L4¿ጘፐሀሪጘገሀውናርን

ʹᢐᢀᡁᢗᡶᠬ᠋᠑ᡃᡣᠬ᠘ᢣᠯᠬ᠋ᡗ᠅ᡏ᠔ᡄᠳᠻᢧᢤ᠂ᡩᡄ᠌ᠫᡝᢗ᠀᠅᠐ᡟᡆᢀᡶ᠘᠙ᠺᠺᡃᢐᢀ᠂ᡏ᠘᠙᠆ᠺᡏᢥ᠘ᠺᢠᠮ᠒ᠨᢇ ልቦ≟'ርበጐቴ ላጋ'ነኝህላ'ህና/ር', ቴዛժጐし ኦጐታ ላጋበኦቦታ'ኔ≟'ጋታ ርሀርሀር' በዖጐታ ልንላሒ 20. 2013.

- ഛኖኖቈ%/>ያቈጭ: ላን⁵ህተ 15-Γና በዮጌህ ተናበ∙ለሒ 05
- الاعلام المراد أن المراد 03-10 ما 15 كالم المراد 14 أن المراد 15 كالم المراد 15 كالم المراد 15 كالم

- كالمراغة العال: ١٥٩ م 23-٦٠ ١٩٤ عال ۵۶ م 20, 2013.

٬ ومارزخ، ۱۵ با ۱۵ دوم ۳ از ۱۹ ما ۱۵ به ۱۶ د را ۱۵ به ۱۹ د به ۱۹ به ۱۹ دو ۱ ۵۱۹ ماه ۱۹۲۵ حروبا ۱۲ ما ۱۹۲۸ حال ۱۹۲۸ ما ۱۹۲۸ ᢖ᠆ᢆᡆᠻᡆ᠂ᠴᡆᡄ᠇ᠮᠣ᠂ᡖᢧᢗᢗᢋᠨᢆᠲᢗ/ᡣ᠇᠘ᢋᡝ᠙᠂᠕ᢧ᠆ᡄ᠆ᢧᠮᠲᢑ᠈᠙᠇᠘ᠼ᠉᠂᠘᠘᠘᠆ᢘ᠉᠘᠘ᡓ Δ CDN-off dPCdOl/Ldichleto bDON-offic dPCdOl/Ldichleto dDCorrection %'\449€\>\. ■

With the opening of this new technical centre, Air Inuit's administrative offices as well as its technical maintenance services have been regrouped in one new facility.

Scheduled service enhancements

We are pleased to announce that scheduled service between the Abitibi region and Nunavik commenced on June 5, with a Tuesday and Thursday (northbound and southbound) stop in Rouyn-Noranda. We are greatly thankful to the City of Rouyn for their encouragement in this new regional link and we trust it will allow passengers in both directions to travel with less complication and less cost.

Forthcoming specials

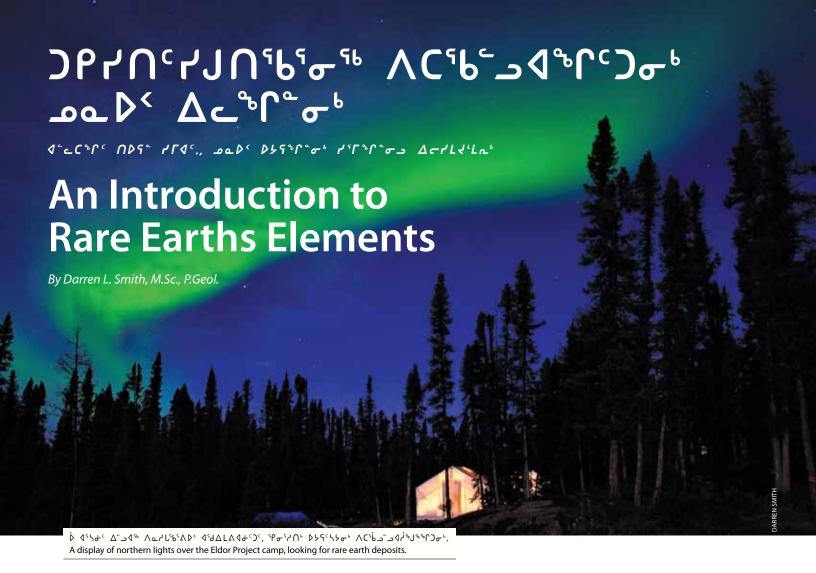
Passengers are encouraged to take advantage of these seat sales, which will occur between now and February 20, 2013.

- Berry Picking: August 15 to Sept 05
- Pre-freeze: October 03 to October 31
- Christmas Shopping: November 14 to December 05
- Christmas (Nunavik): December 12 to January 09
- Deep Freeze: January 23 to February 20, 2013.



¿
\(\delta \ The aqpik (bakeapple) has come to symbolize more than its delicious fruit.

Additional flights will be added to the schedule during the Christmas period as well as special scheduled service for Kingait and Nain. Air Inuit posts their seat sale information in their offices and passengers can also ask local agent for further details, including pricing and restrictions. Have a pleasant flight.



 Δ = Δ = Δ - Δ -

Quebec has long been known for its breadth of mineral potential; however, until recently few have realized its potential for rare earth

The general knowledge base of rare earths is not very high, inside and outside of the mineral exploration industry, primarily because so few mines exist outside of China.

elements, especially in Nunavik. As project manager/geologist I oversee the mineral exploration of Commerce Resources Corporation's (Commerce) Eldor Project located in Nunavik, approximately 130 kilometres south of Kuujjuaq. Commerce has been exploring the property for rare metals, including rare earth elements, since 2007 and plan to be back in 2012 with an exploration and development program focused on its world class Ashram Rare Earth Deposit, which was discovered in late 2009.

The general knowledge base of rare earths is not very high, inside and outside of the mineral exploration industry, primarily because so few mines exist outside of China. There are only a select few people who are recognized as experts. Although, I do not claim to be an expert, I have garnered much experience in rare earths over the last five years and would like to share this information with those living in Nunavik, which hosts this unique and spectacular deposit.

 $\mathsf{DJU}_{\mathsf{P}}$ C_{P} C_{P} D_{P} D_{P} D_{P} D_{P} D_{P} ለ%ሀረ Δ – %ሀራ ነበር እንና, እና ሀገና ጋታ እ% %ቦው ነካና እሀላ: (La/ \succeq), (Ce/ \checkmark) \mathcal{L}° \mathcal{L}° $\Delta G^{\dagger} = G^{\dagger} G^{\dagger}$ Δ^{\flat} L^{\barger lagranger L^\barger lagranger \(\Delta^{\barger} \hat{\Delta} \) \(\Delta^{\barger lagranger lagranger lagranger lagranger \)} Ċ°교 ᡏ᠋ᡃᠨᡷᢐᡶ᠋᠙ᠮ᠍᠈᠂ᢗ᠙᠑ᠸ᠈᠂ᡖ᠕᠂ᢗ᠐ᡃᠺᢣ᠍ᢧ᠋᠙ᢣᠣ᠂ᠳ᠕ᢐᢐᡶᡳ᠒ᢣᡶ᠌᠌ᡅᢧᢆᢣᢠ, Cے۵۱۲۵ ۹۶۲۵۹۲۵ ᠘᠙᠘᠙᠘᠘᠘᠙᠘ ᠗᠙᠙ᠳᠳᠳ Δ CN'tJN $_{\Delta}$ ', (Gd/ \dot{r} N) Δ 3'CP \dot{r} '' PP Δ '\ \dot{r} Δ c Δ '' σ $\Delta dLD \cap \Sigma^{5} \cup \Delta = \Delta = \Delta \cup \Delta^{5} \cup$ ᠈᠊ᡏ᠐᠙᠈ᡶᡗ᠒᠙᠙᠘᠙᠙᠘᠙᠘ ᢀᠳᡥ᠘ D47UL7b9₁₈.

(Dy/U) $4)^{\circ}(D_i^{\circ}i^{\circ}$ $L^{\circ}\Gamma^{\circ}b_{\sigma}^{\circ}\Gamma^{\circ}\Gamma^{\circ}b_{\sigma}^{\circ}\Gamma^{\circ}\Gamma^{\circ}b_{\sigma}^{\circ}\Gamma^{\circ}\Gamma^{\circ}b_{\sigma}^{\circ}\Gamma^{\circ}\Gamma^{\circ}b_{\sigma}^{\circ}\Gamma^{\circ}\Gamma^{\circ}b_{\sigma}^{\circ}\Gamma^{\circ}\Gamma^{\circ}b_{\sigma}^{\circ}\Gamma^{\circ}\Gamma^{\circ}b_{\sigma}^{\circ$

The rare earths are a group of 17 elements on the periodic table that comprise the lanthanide series, Yttrium, and Scandium. They always occur together, share similar chemical properties, and have been described in over 150 mineral species. These elements are not actually rare in terms of occurrence, but rather rare to find in economic concentrations.

Scientifically and geologically the rare earths fall into three groups, the light rare earths: Lanthanum (La), Cerium (Ce), Praseodymium (Pr), and Neodymium (Nd); the middle rare earths: Samarium (Sm), Europium (Eu), and Gadolinium (Gd); and the heavy rare earths: Terbium (Tb), Dysprosium (Dy), Holium (Ho), Erbium (Er), Thulium (Th), Ytterbium (Yb), and Lutetium (Lu).

The element Yttrium (Y), not technically a rare earth, is typically grouped with the heavy rare earths. Promethium (Pm) exists in only negligible amounts in nature, occurring predominantly in nuclear reactors or the sun. The element Scandium (Sc) is sometimes grouped with the rare earths, but is commonly never included with them in industry calculations.

Worldwide demand for rare earths is currently approximately 150,000 tonnes of rare earth oxide annually and estimated to be growing at roughly 9% per year. Hence, demand is expected to be between 200,000 and 300,000 tonnes by the year 2020. China accounts for over 95% of the world's rare earth production, but has recently begun cutting back significantly on exports. This was done in an effort to consolidate its domestic industry, and to better preserve the mine life of several dwindling deposits. This, in turn, caused a steep escalation of rare earth oxide prices and triggered a large push to discover, develop, and produce rare earth oxides at mines outside of China.

Over this time period rare earth oxide prices have ranged from approximately \$20 per kilogram of rare earth oxide for Cerium and Lanthanum to over \$5,000 per kilogram for Europium. Although prices have retreated somewhat over the last year (2011) they remain substantially higher than historical prices due to increased demand and lack of supply.



ለጐしላΔ – ጐし ላና ለርሳኔ ڪ عام اُጐ ال በ ال ص م ۵۰ ۵۶۲٬۹۶۰					
໓ናᲫ ⅂ናጋ ሃ ໓ ∿ Ր ெና ነ ና Light rare earths	4 d ° σ ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° °	りもヿ゚つゝりゟ゙゙゙゙゙゙゙゙゙゙゙゙゙゙゙゚゙ Heavy rare earths			
Lanthanum/೭゚ ᠳ (La/೭)	Samarium/与Ĺ ሒሳㆍ (Sm/△ ሳㆍ△ ሳㆍ),	Terbium/ $\dot{D}^{c} \wedge A^{L}$ (Tb/ $\Omega \dot{A}$),			
Cerium/r ⁱ ~ ₵¹ (Ce/r ⁱ),	Europium/ㅓᄼᄼᄾᅦᆫ (Eu/ᄉ નં),	Dysprosium/バ> テ゚ピイム゚ (Dy/ĤJ▽),			
Praseodymium/>	Gadolinium/b) さっぱ (Gd/ト Ⴖ),	Holium/⁵d˙⊂ Ρ¹ (Ho/Δ° r'Þ),			
Neodymium/¿- ▷ U Γ Ϥ ^L (Nd/Δ˙ ∩˙),		Erbium/Þ⁵∧Þ¹ (Er/∆॔ ð),			
		Thulium/ $\dot{c} \subset \mathbb{P}^{\perp}$ (Th/ $\dot{\cap} \Delta^{c} \dot{c}$),			
		Ytterbium/もつ へ			
		Lutetium/غـc ۱۹۵۱).			

Yttrium (Y)/ትናፈባ፡ (J∇)-Γ৽ ჼቴጋቴነበጋና ሀቃጾላჼ፥ ለጌታበላድናበታሮኤየራው ΔεΓϧጾϭቴδჼዮጋჼ ለርቴጋጋላלჼታፈበ৽ ፴ᢏጾና ጾጵናና∖ϧჼዮኌና, ΔεΓϧ ጶበርጶጋዮჼስቴፈትንታን ጾೈᲥፕጋኑጾϭፕረ፲ና ፴ᢏጾና ጾጵና៶ϧኒብበናረታርና ለርቴጋጋላታትንታላቪჼትርዮስቴጋና Yttrium (Y): technically not a rare earth, typically grouped with the heavy rare earths

 $^{\prime}$ 6 $^{\prime}$ 1 $^{\prime}$ 0 $^{\prime}$ 0DC6P° L DC6.

 $D + S^{c} + b$ Yttrium (Y)/ਮੈ਼ੰんੀਾ \\ بور ۱۹۰۹ و در اور UFDY56. ۵ د ۱ م م ام کا ہو۔ D969CD96C-᠗᠙᠘ᠳ᠘᠙᠘ᢀ PAJC3463UP-د-ٔدهٔ ۲۵۸ ባራ^ነየሀ%[®]ቦጋው^ና እንና^ናላታው^ና. እንና^ናላታ Promethium (Pm)/>ʔΓ̈́ᠯϤ┖ჼ ዀ፟ጏፚኀበጋና ሀኑዖ⊀ኈ, ለር₺ዖጐ፝Јጛኈ ۰۵°د ۱۶۷% خ ٥cd, $C9PD = Q_{\rho}\rho 1Q_{\gamma}\rho 1_{c}Q^{2}$ 4°-σ4۲07η-0540λ' ω'ΥΡΑ' ω' ΑΥΡΔ' L ~ J° ω)σ' - Δ Scandium (Sc)/rb narr 6526100 Ubbeth, ۵ کاماله نورتی ۸۲ کی کام ۱۹۵۸ کی اولاد اول ۲٬۲%۲°مے, د مـ ۱۳ ۶۲۷ کا ۱۸ ۷٦،۴۶۵،۲۵۶ $\nabla \subset DUCD \subset D_{\ell} L \Gamma_{\ell}$ $\partial \cap UCD \subset D_{\ell} L \Gamma_{\ell}$ $\partial \cap UCD \subset D_{\ell} L \Gamma_{\ell}$ $\partial \cap UCD \subset D_{\ell} L \Gamma_{\ell}$ ϽʹϧϧϧͼͺϽϤͺϒϹ V_c 21, σ 4U, $5^{\circ}\sigma 4CDJ^{\circ} \Delta D^{\circ}$.

ᡓ᠐᠐᠘ᢋᡙ᠙ᠾᢗ᠒ᢎᢎᠾ᠈᠘ᡓᡄ᠊ᡩ᠐᠕᠕ᡨᡳᠳ᠙᠘ᢕ᠘ Γ'ረበ° φ> ' δ'ፀገ° L ሲ' 150 000 C δ \° σ' ۵۹۱ و ۱۹۵۰ مارنه عنونهام ۱۹۹۸ میرونه ۹٬۲JCĽ ᠐᠒ᡶᠦᠸᠳᢐ ᡖᡒᢊT᠘ᠻ᠔ᡩ᠙᠘ᠳ د ٔ ۱۵۰ د ۱۲ - ۲۰۲۱ از ۱۶ م 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 $L_c L_b + L_b$ -۱۵۰٫۵۵۵ کا ۱۴ م نام ۱۴ م نام ۱۴ م کا ۱۴ م کا ۱۴ م کا ۱۳ م کا ۱۳ میلاد کا ۱۳ 300,000-ء ٩٥٥ألـ ٢٠١١ ١٤٠٥٠ ١٤٠٤ د-٥٥٥ مائمار. ۱۳ کون^د ۲۵۶۹ مون^د ۸ مور^د درباه که ۱۳ کونور کونور کونور کار ۱۳ کار ۵۵۷ ۵۶۲۱۶ د ۵۲۷ رده۲۰۲۱ د ۵۲۲۸ د ۵۲۲۸ میر ۵۶۹ مرد مورد مورد بروت مه ۱۹۸۶ مرد بروت مه ۱۹۸۶ م _ePrL9_c ᠂ᢅᡖᢗ᠋ᠸᠳᠮᠮᠳ᠍ $\Delta d^{c} = \Gamma d^{c} = \delta^{c} < - \delta^{c} = \delta^{c}$ دا℃CLD ۸۵٬۵۴۲۵۶٬۲۸۱ V_c = $4U_c$ + $1U_b$ + $1U_c$ + 1UP44U4-

 V^{σ} V_{c} V_{c ۷۲٫۰۰۰ موروح بهامه ۲۵ م $D + 2 e^{-} Q C D L \Gamma A_c$ 966 100ወታና ው ላል የነተው የለነው የምና ው ነ ለ ለ የ ር ላ በ የህበ ነቴ የው የተፈጋ, ᠈ᡖ᠙᠘᠘᠐᠙᠙᠙᠙᠙᠙᠙᠘ᠻ᠘᠘᠘᠘᠘᠘᠘᠘᠘᠘᠘᠘᠘᠘᠘᠘᠘᠘᠘᠘᠘᠘᠘᠘᠘ δρεσοδιση νατίς σσειτούς τος. ۱۳۵۰ مربز کام ۱۳۸۸ میلانی ا ᠐ᢣᠻ°ᠳᡏᢗ᠐ᢅᡠ ባ Р _የ ቦ ር

عدد ۲۹۹۹ ۱۲ مدر ۱۹۹۱ کا ۳۶ مرد ۱۹۹۱ میرد ا

᠘᠗ᢗ᠂ᠳᠳ᠘᠙ᠳ᠘᠘᠘ $\mathsf{L}_\mathsf{c}\mathsf{L}\mathsf{U}_\mathsf{p}\mathsf{e}$ \$20 ۷ک⊸۲ عم الأله د ٢ -ئىلىمام5،CD4مۇ-٩Þ٠ ∆د⊸۲۵ د°م۲^۱°Jσ۲٬۲۵۲ د ت ۵-۵-۵-۱۲ ۱۲-۱۹۶۱ ۱۲-۱۹۶۱ ۱۲-۱۹۶۱ ۱۲-۱۹۶۱ ۱۲-۱۹۶۱ ۱۲-۱۹۶۱ ۱۲-۱۹۶۱ ۱۲-۱۹۶۱ ۱۲-۱۹۶۱ ۱۲-۱۹۶۱ ۱۲-۱۹۶۱ ۱۲-۱۹۶۱ ۱۲-۱۹ $\forall \dot{\rho} \wedge \dot{\rho} = \dot{\rho} \wedge \dot{\rho}$ LJNr 6 C- 6 C+ 6 r 6 $\Delta = ^{6}$ 6 A 6 FA 6 FA 6 C+ 6 D- 6 C (2011-F) $CL^6dQ \rightarrow U7c^6Uc^6PJO^6b^6PO^6b^6$

۵۰۱۰ مازیام ۱۳ D72.4CD4c ᠑᠙ᡶᡥᡀᡒᢙ᠒ᢊᢗᢧ 4Γιδος Λεοθιδερο Λοιθητίος σοΓεο ιβθητο-المهرال مرعوا ۱۵ کا ۱۵ کا ۱۵ کا ۲۵ کی کو ۱۵ کی کو ۲۵ کی ک ۵ ال ۱۹۵۰ م و ۱۹۵۰ م ۱۹۵۰ که ۱۹۵۲ م ۱۹۵۰ که ۵ الحکام ۱۹۵۰ که $D \cap \sigma$, $P \cap \Phi' = \sigma \cap \sigma$, $A \cap \Phi \cap \Phi$, $A \cap \Phi \cap \Phi$ ᢗ᠋᠔ᡃᢉᠫ᠋᠐ᢐᡥᢐ᠘᠙ᠫᢆᢣᠦ,᠔᠒ᡯᢧ᠒᠂ᠺᢣ᠌ᠴᡱᠴ᠖᠙ᠺ᠘ᡑ᠐᠒ᠺ᠔ᢆᠣ ۵۲% مادی ۱۳۵۸ مادین کام ۱۳۵۸ مادی ۱۳۵۸ مادی ۱۳۵۸ مادی ا ላზ ሀ ላ የነገና ር ነ ነ ተጠና ነ ነው እስር ነው የ ነር ነው የ $\Lambda C^{5}b^{2} \sim 5 \Lambda \Gamma C^{2} ^{5} J^{L} L + 5$



Building the base camp for prospectors.

Rare Earths are used in a variety of high tech and green technologies including wind turbines, cell phones, magnets, motors, flat panel displays, and phosphors, etc. What makes rare earths so valuable is there are essentially no suitable substitutes for them in many applications. Efficiency or practicality is always sacrificed when a substitute is used.

Recently the US Department of Energy outlined the five rare earth elements that are the most "critical" to clean and high tech industries. "Critical" is the term used to indicate a commodity that is in the greatest demand while being in the shortest supply in the long term, with the added aspect that substitutes for it are hard or impossible to find. These are Neodymium, Europium, Terbium, Dysprosium, and Yttrium. Neodymium is the main component of high strength "super magnets", required for all types of motors and related applications (such as wind turbines, electric vehicles, cell phones). Dysprosium is critical for these magnets as it allows for use at high temperatures without compromising magnetic strength. Terbium may substitute for Dysprosium in certain applications and is used in green phosphors. Europium and Yttrium are used as phosphors, essential to produce colours in screen displays such as flat screen televisions and cell phones, as well as in various lighting applications. Europium is required for producing the red colour in screen displays with no known substitutes, thus demanding one of the highest prices of all rare earth oxides. Deposits enriched in these five critical elements, in addition to significant total rare earth oxide grade, are generally thought to have the better chance of making it to production. It is estimated that only five or six new mines outside of China are needed to satisfy future demand.

Often, the term "rare earth distribution" is used to partially evaluate a rare earth deposit's economic potential. It refers to the relative quantity of each rare earth expressed as a percentage of the total quantity of all the rare earths. Deposits with higher distribution percentages of the critical rare earth elements are typically considered the most valuable, although grade, tonnage, and location are always essential factors.

Rare earth deposits may occur in a variety of geological environments but most predominantly in carbonatites such as Ashram (Nunavik), Mountain Pass (California), and Bear Lodge (Wyoming) deposits; intensely weathered carbonatites, also called laterites, such as Mount Weld (Australia) and Zandkopsdrift (South Africa) deposits;

Rare Earths Elements

peralkaline or alkaline intrusions such as the Kipawa (Quebec) and Bokan Mountain (Alaska) deposits; and heavy mineral beach sands.

Bayan Obo in China, controversially perceived to be a carbonatite, is the largest rare earth producer in the world with a grade of over 5% total rare earth oxide for an estimated 28.8 million tonnes of contained rare earth oxide (nearly 200 years of supply at current demand levels!). Equally astonishing is that the rare earth production is a by-product of iron ore mining. However, the deposit is light rare earth dominated and cannot supply enough heavy rare earths to satisfy the demand.

Historically, the major rare earth producer in North America was Mountain Pass, with an estimated 31.6 metric tonnes at 6.57 % total rare earth oxide for an estimated 2.1 million tonnes of contained rare earth oxide. Once the largest rare earth producer in the world, the mine was shut down in 2002, but has recently resumed operations after significant upgrades to its processing facilities.

One of the most critical factors, when evaluating a rare earth project, is to understand the importance of the actual minerals the rare earth elements are hosted in. Although, over 150 rare earth minerals have been described, only four dominate commercial processing (monazite, bastnaesite, xenotime, and loparite). As such, conventional techniques exist to remove these minerals from the host rock, as well as release the individual rare earth elements within. Although, many deposits under development may have attractive grades and tonnages, their mineralogy may be unproven and/or overly complex, thereby adding a level of economic uncertainty to the

overly complex, thereby adding a level of economic uncertainty to the project. In addition, monazite, bastnaesite, and xenotime contain among

 $\Lambda^{\epsilon} \rightarrow d\Gamma d = L L^{\epsilon} \sigma^{\epsilon} \Lambda^{\epsilon} \Lambda^{\epsilon}$ ንቀቴ ነላቃ ወይ የፈትር «ሀገታ ተርህ የሆነ የላይ ተርህ የ Δ^{c} Δ^{c} محکک مد۱۶۹ کد ص ᠳᠳᢣ^ᡕᢣᡗ᠉ᡎᡄᠽ^ᡕ᠘ᡣ᠍᠂ ᢗ᠌ᠺᡲ᠒ᢤᢐᡶᢐ᠘ᢐᢐᡗ᠑ᡕ ₽ትፈረ የት₽₆ የ Cr_P94 ¿ΝυΓαι, أ^ςΛ ۵^ι, $DU_{P}J_{C}$ Ldo⊸l 45ν Δr' በ¹>ἐᠯϤ· ትናበፈላਾኌ. ¿₽UΓϤ· ር%ቦሒአውናፎሒናጋ% "۹۹۹ء مررغ، باردغ، مررزه، مردر منهاربراه مردر منهاربراه مردرغ، المربية منهاربراه مردونه المربية المربية المربية

حماً ۱۵۲ مر ۱۵۲ کا ۱۵۲ کا ۱۵۲ کا ۱۹۲۶ کا ۱۹۲۶ کا ا

᠘᠙ᠳ᠘ᢞ᠙᠙᠙᠙᠘᠐ᠳ

9-7-0,4.PrLCD42.

 $D + S^{\circ} - ACDi^{\circ} + b$

 $V_c45V_e\Gamma_c$

۱۹۰۹ - ۱۹۰۹ - ۱۹۲۹ - ۱۹۲۹ - ۱۹۹۹ - ۱۹۹۹ - ۱۹۹۹ - ۱۹۹۹ - ۱۹۹۹۹ - ۱۹۹۹ - ۱۹۹۹ - ۱۹۹۹ - ۱۹۹۹ - ۱۹۹۹ - ۱۹۹۹ - ۱۹۹۹

۸۲۰۹۰۹۰۹۹۹

Jason and Ben Saunders — brotherly love.

"^`c~\J~°°°"

C-CLG6

 5 2

ᢣᢐᢐᡤᡄᢉᡏ᠋ᠽᠳ᠖ᡃᠬ᠘ᢞᢐᡗ᠋ᠫ᠋ᡣ᠐᠙ᢣᠦ᠋᠌ᠫᡃ᠕ᢤ᠂ᢗ᠑ᡃᠬ᠐ᢧᡓᠫᢠ

 $U_{2} \circ V_{1} \circ V_{2} \circ V_{2$ ᠴᢦ᠊ᢧᡕ᠂ᠬᢠᢩᢗᠲᢛ᠂ᡪᡥᠲ᠋ᠮᢞᠲᢊᡒᡅᠬᢛ᠂ᢩᡷ᠐ᢞᢧᢕᠲᢛ᠂᠙ᠳᠮᢧ᠐᠙᠘ᢣ᠘ᢛ 60, FU. 45V q. 75V q. -- بارار ح ϤϽͽϹϷϲϳͽͿͺϟϧ ¡ ነበፈያበ^ር ነታው^ር **PDrTUCDJU.P.SUD** $C^{5}GD\Delta J \Pi^{c} S + \sigma^{c}$, ᠳ᠙᠘᠙ᠺ᠘᠐᠙ᠫ (دۀ/ه-*ت* DibcDNσ, ∇ \subset D_1 U_1 \supset U_c Δ 4 J_c >⁻د%۲۰. 45V qr ۷۲,6 سابه و سر ۱۲ خ



the highest amounts of rare earth elements in them compared to all other rare earth minerals, thus allowing for superior concentrate grades.

Bastnaesite is the dominant mineral currently mined for the light rare earths along with lesser monazite, while xenotime is the dominant mineral historically mined for the heavy rare earths. Therefore, it is reasonable to assume that deposits with a similar mineral grouping will have a distinct advantage on the race to production. Currently, the dominant source of heavy rare earths is from very low-grade (a few hundred

 $UL^{8}UC^{6}$ " ΛC^{6} = $\Lambda C^{6}UC^{8}UC^{8}$ ΛC^{6} = $\Lambda C^{6}UC^{8}$ 0.69964.0999 0.409999 0.409999 0.409999 Δ -%L0'- Δ 1' Δ 1' ᡩᠳ᠐ᢣᠸ᠐᠘᠐ᢐᠲ᠘ᢑᠳᡕ ᠘ᢅᢋᡆ᠘ᠳ᠙᠂᠘ᢆᡫ ۵۰۲۵٬۵۵۵ و۰. $\Lambda C^{\dagger}b \rightarrow 0$ $\Lambda C^$ $V_{e} = V_{e} + V_{e} + V_{e}$ ᡪ^ᠲᠳᡏᢗ᠔ᡠ^ᡕ᠘ᢣᠳ ᡏ᠘᠘ᡎᠲᠲᡒᢕᡕ $J_{\rho} \rho \Gamma V L_{c} \Gamma_{c}$ ᠐᠒ᢗ᠐ᠳ᠙᠘᠈᠙᠘ رنامورنکوها کارهای $CDP_{\ell}UPF_{\ell}U4U1_{\ell}$ ۲۰٫۰ کد ۱۲۰ کال

D>9°~4CD/c74c ۵۰۱۰ مازیام ۱۳ ᠕ᢗᠲᡠᢐ᠋᠀᠙ $a = \Delta \Delta^a a^a = a + \Delta C^a a^a + \Delta C^a a^b + \Delta C^b = \Delta C^a a^b + \Delta C^$ ρρισαςρίας μα ۸۲۰۰۱۰ مازیماه ۸۲ $D_c Q_{\Phi}$ CLJJ%L $^{\circ}$ LC $^{\circ}$ C $^{\circ}$ D $^{\circ}$ D $^{\circ}$ D $^{\circ}$ ٩٠٩٦٢ በትዕፈር (ወፍየւር)՝ ۲۵ و م ำผ่างปิ่ง ๛โร๊ฮ (6-5-41 4 L √ d c ചം⊸്രം) ۱۹ ۱۹ ۱۹ مارنه کو د کام ۱۹ ۱۹ ۱۹ مارنی کام ۱۹ ۱۹ ۱۹ ۱۹ ا ۹۴-۵۲۵۶ ۱۲۵۶ ۱۲۵۶ کرن کرن کرنور کرنو ۲-دهٔ ۲۰ د ۸۲۰ د ۸۲۰ د ۸۲۰ د ۸۲۰ د ۸۲۰ هم ۸۲۰ هم ۸۲۰ د د ۸۲۰ $J\Delta^{\dot{c}}\dot{\Gamma}^{\dot{c}})^{\circ}$ ($\dot{q}^{\dot{c}}$) $\dot{q}^{\dot{c}}\dot{\Gamma}^{\dot{c}}$) $\dot{q}^{\dot{c}}\dot{\Gamma}^{\dot{c}}$) $\dot{q}^{\dot{c}}\dot{\Gamma}^{\dot{c}}$ ۱۹ ۱۳۵۰ ۱۵۲ (۱۲۲ (۱۲۵۲) د ٔ د فٔ ۱۵۲ (۱۲۲ (۱۲۵۲) د ٔ د فٔ ۱۵۲ و ٔ ۱۵۲ و ٔ $5^{\circ}\sigma = 4CD\dot{c}^{\circ}(5)\sigma^{\circ} \Lambda C^{\circ}(5)^{\circ}; \quad \Delta = D^{\circ}\Gamma \Lambda^{\circ} \Delta^{\circ} \Lambda C^{\circ}(5)^{\circ} L_{\alpha}^{\circ}\Gamma C^{\prime} \Lambda^{\circ}$ τρς ΔΓρ, ζφως Σς.

5° σ4CDi'(\γσ° 5% D°UĊως 4C°ΓγγΓς ΛCίδωςωνίνυωΠ° ϽϧϚ·ϭϤϹϽϟ·ʹϧ·Ϲʹϧ·Ͻϧϧϲʹϲϧ $\mathsf{L}_\mathsf{c}\mathsf{L}\mathsf{U}_\mathsf{r}\mathsf{Q}_\mathsf{r}$ ᠑᠘᠘ᠳ᠘᠘ᢆᡷᡳᢗ ᢀᢕᠣ᠊ᢀᢕᡕ ጋ%የሀልቦጋቦ⁽!). ፈ¹~ህላ¹ጋላሊ¹/ ᠗᠙᠐᠙ᡄ᠘᠘᠘᠙᠘ L°م C L P 4 4 ۸۲، ۱۹۵۰، ۱۹۵۰ و ۲۰۱۵ م 5° 0 1 C D 2 C \ 1 C \ 1 C ₽₽₫°፟፟፟\ЪΓ⁵ ᠐ᢣᠻ°ᠳᡏϽʹ $\Delta c^{5} \sigma d^{5} \Gamma^{5} \sigma^{5}$. UTL $\Delta G^{5} \sigma \sigma^{5} \sigma$ $D + S^* - ACD + C^* +$ P%JLC565CDac YE 4LC1469CD%Cec%L%%.

parts per million) "ion absorption clay deposits" in China, where the rare earth elements are absorbed as ions on the clay particles. These deposits appear unique to China, requiring very simple processing, thereby allowing for such a low grade to be economic. However, these types of deposits have large environmental footprints and it is expected that the resource will be exhausted over the next 15 years.

In late 2009, Commerce Resources Corp discovered the Ashram Deposit, which has turned out to be one of the world's largest rare

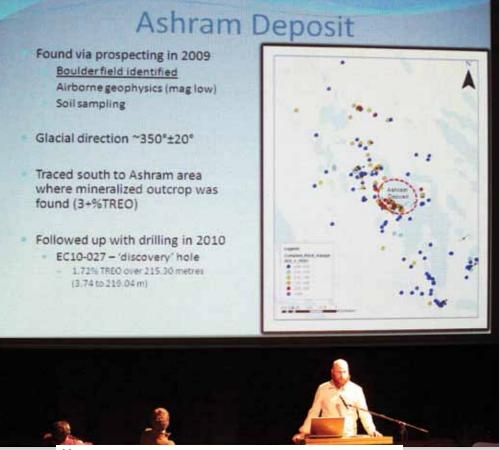


earth deposits, located approximately 130 kilometres south of Kuujjuaq. Commerce's Eldor Property has been explored primarily for tantalum and niobium since 2007, when the initial Ashram discovery occurred. In March of 2011, after extensive drilling of the deposit, Commerce released

The Ashram Rare Earth Deposit has one of the highest grades of any deposit greater than 50 million tonnes that is being developed outside of China. a 43-101 compliant mineral resource estimate of 219.8 million tonnes at 1.88% total rare earth oxide (inferred), 27.7 million tonnes at 1.90% total rare earth oxide (indicated), and 1.6 million tonnes at 1.77% total rare earth oxide (measured).

The Ashram Deposit occurs in a rare rock type called "carbonatite", typically defined as an igneous rock composed of greater than 50% carbonate minerals by volume. Rare earth deposits tend to occur in the central portion of a carbonatite complex, within magnetic lows, and in the later stages of emplacement. The Ashram Deposit shares these characteristics.

The Ashram Deposit benefits from its well-understood and simple mineralogy consisting of monazite with lesser bastnaesite and xenotime. It extends directly from the surface with negligible overburden making it amenable to lower cost, open-pit mining methods. Its grade is considerable, coupled with a size that is rivalled by very few



The author, Darren Smith, made a presentation about Rare earth metals in Nunavik during the mining workshop in Kuujjuaq last February.

 Pdd^3Jd^4 $Pd\Delta^2 = d^4L^3\dot{b}C$ CL^4d^4 Pd^4b^4 Pd^4b^4 Pd^4 Λ^{C} Δ^{C} Δ^{C ۷۵ مو ۵۰-۲۰۵۱ د مالاک دو ۱۳۵۰ که ۱۸۵۲ د ۱۳۵۰ کرای کا ۲۳۰ ک ۷ د د ۱۵۰۲۵ د ۵ ما۱۹۲۷ د ۱۵۰۲۵ ما ۵۰٬۲۵۲ ما ۲۵ د ۲۰ اد ۲۰ ا ا ا ۱۵۱۵ د ۱۳۵۰ د ۱۳۵ د ۱۳۵۰ د ۱۳۵۰ د ۱۳۵۰ د ۱۳۵۰ د ۱۳۵۰ د ۱۳۵ د ۱۳۵۰ د ۱۳۵ د ۱۳۵۰ د ۱۳۵۰ د ۱۳۵ ۲۵۲۵٬ ۱۵۲۵ ۱۵۲۷ کو ۱۳۵۲ کو ۱۳۵۲ کو ۱۳۵۲ کو ۲۵۲۵ $4^{9}JL4^{\circ}$ $^{9}D^{5}D^{7}C^{\circ}$ $\dot{\Lambda}$ $\dot{\Lambda}$ ኦበቴበኈዮና ለርቴት ላፋ ታላ ነት አንት የርንና አታ እቴ በጐዮና ቴ እና በር እቴር ኦበት ጋርና. UL-, ላ የ ለና ፆቃንጋσ፟ው Cፆነትበራናጋσჼ ፆነፅገ፟ት ምትና ለጋΔት ዉ ሲላነቴነረበነ. ፆታናት ምላናና ነታ ፆምትናና ነቴ ፆት Lታ ۱۹۵۶ د ما۱۴ کا ۱۹۷۲ م ۱۹۲۸ میرون می ۱۹۷۸ میرون کا ۱۹۷۸ میرون اور ۱۹۸۸ میرون کا ۱۹۸۸ میرون کا ۱۹۸۸ میرون کا ایک τ'ððσο 4/c-LΓ Λ(δοςονίδυων Σεννίδια νου ο συνου ο σ ۸۲، ۲۵ کا و ۱۳ ما ۱۳ کا ۱۳

᠗᠙᠙᠙ᢆᡷ᠘ᠳ᠙ ργισ4Cρίς Lσ [¿]\¬\c CLCLD^ւթ_° σ \ b D ^ւ ረ በ ^ι Λ C \dot{b} Δ C \dot{b} ᡝᡱᠣ᠐ᡃ᠂᠘ᢀᡴᠣᡪᢩᡬᢀ᠋ᡝ᠖ᡃᢗᡳ᠘᠒᠆ᠫ᠋᠘᠘ᠮᠳᠳᠦ᠘᠙ᠯ᠋ᢪᠳᢣᢣᡡ᠘ᢣᠲᡥᠳᡏᢗᠺᠣᡪᡬᢀ᠋ᠤᡲᠮ᠋ᡝᢆᢆ $4 - 4 - 1001_{e} - 5$ CLDL ቦታና°균 4ና^ເ∖ቦታ_°ቦ^ເ P_{γ} የሚያስፈርት የሚያስ CLCL. Λϧριζεως)ና ρίστιρμοσίτριο Λοίδωςωσιλοίδυωο βκηθωσίστας $V_{\alpha} = V_{\alpha} V_$ P'' Y'' Y''۲۵۲۵۲ کو ۱۹۵۲ کی ۱۹۲۲ کی دائی عدم ۱۹۵۸ می ۱۹۲۸ میر دونوی ۱۹۸۸ می ایستان میرونی میرونی میرونی میرونی میرونی ایستان عد ٦. ١٥١٩ ٦٥، ١٥١٥ ١٥، ١٥٠ عد ν<. Λω</r>
(CDJΠ'6
δ
Λ
Γ
υ
Γ
υ
Γ
υ
Γ
υ
Γ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
υ
<p $Pe^{\Gamma}\Gamma^{\Gamma}$ Λ^{Γ} Λ^{Γ} 4d균4ጔ ▷ በ∿∿ϳታቮናኣታጶፚፊኈዮጔና ፚፈጶዮታ ጶጵና ለናኣር፞ናልጜጶፚኈዮ ጔየጋቦናኣጶበዮ≟ፈላኈቦና 4ናቫታ 15 4ፚጋጋ4ናくር.

2009 4^51^5 L $4\sigma1^5\sigma$ P+ 5σ P-5P-1D-1, 61^5 4^55^5

1000 3 - 100 PAGE - 100 PAGE - 100 Pic 12,(De.16,1873, 12,770) $\Lambda^{\epsilon} \rightarrow d\Gamma d = \epsilon^{\epsilon} \sigma^{\epsilon} \Lambda_{\alpha} dJ \Pi = d^{\beta} J \dot{c}^{i} \sigma^{\epsilon}$ 2012 CODROGO CODO $\Lambda^{\epsilon} \rightarrow d\Gamma d = \Pi J^{\epsilon} \Lambda_{\bullet} L^{\dagger} J L^{\dagger} D^{\epsilon}$ DEDN'S 1 DOLF DOLEDIGE 98'212°0 50 L'710°, 2'56Cl'0 DibeDNG. PP1 of on(C) ob. 1DCDNo, CCAT's backto Cd'SDJN°r° - 5°Dbo. らいてりいいょうこ いりにょいいしょう 0697-400/c 460/c 460/c CDITNISIBARCELOBIE ALTAG 1) CDArira. CLUD CDINGC 4) (CDL/-) 1/LC A/C-5 A(7/0-5)

Rare Earths are used in a variety of high tech and green technologies including wind turbines, cell phones, magnets, motors, flat panel displays, and phosphors, etc. What makes rare earths so valuable is there are essentially no suitable substitutes for them in many applications.

᠋᠙ᡒᡃ᠗᠔ᡃᢐ᠙ᠸᠽ᠌᠀ᡃᢛ᠂ᢗᢆ᠊ᢗᡄᡃ᠋ᡏ᠋ᡃᠴ᠂ᡒᡠ᠕ᡏ᠘ᠮᠫ ᠮᠳ᠘ᢗᢧᠻᠫ*᠙*₽₯% د ه ۲۵ 2007-Γσ^c. U^c/Lσ 4^c/5^c 60240Γ4% LΠ^cJ. ᠄᠘᠙᠘᠘᠘᠘᠘᠘᠘᠘᠘᠘᠘᠘᠘᠘᠘᠘᠘᠘᠘᠘᠘᠘᠘᠘᠘᠘᠘᠘᠘ >>\daggerian \daggerian 219.8 ۱۱ د ۱۵ ۱۵ ۲ ۲ ۲ $CD5^{\circ}D+^$ ۲۵۱ مر ۱۵ J% bl A 6 6 1 - 1 1 1 1.88%-۸۲۰، م کن ام ۸۰ ۲ٔ۲۵۰ 40° (۲⁵60 ۲ L 4°). ᠔ᢣᠻ^ᠲᠳᡏᢗ᠔ᢆᡠ᠘ᢣᠳ^᠖ 27.7 $\Gamma \subset \Lambda^+ \Lambda^- \supset \Lambda^+ \subset \Lambda^+ \cap \Lambda^+ \subset \Lambda^+ \cap \Lambda^+ \supset \Lambda^+ \subset \Lambda^+ \cap \Lambda^+ \supset \Lambda^+ \subset \Lambda^+ \cap \Lambda^+ \subset \Lambda^- \subset \Lambda^$ ጋ%⁵ኒል'ኔ¹ ጔበ⁵ 1.90%-፫¹ ጋσ⁵ 4ር⁵Γ¹ረበ⁶ ۵۰۱ م ۱۵ هام ۱۵ ۸۲ ᠐ᢣᠲᠳ᠋ᡏᢗ᠐᠘ᡠᡕ᠘ᢣᠳ᠍ حL^۱۵ $(D_{\ell}P_{\ell}CD\Gamma f_{\ell})$ 1.6 ۲−۹°۵۰ے ۱.6 CD\\nec\orbicorb Didlector D\\Lambda\bionb

1,77%-f') حادث ۱,77%- 1,77%- 1 D59° 0 4CD2° 450° ۷۰ ما م ۱۰ (Light Uich Life)

᠔ᢣᠻᠳᡏᢗᠲᢥ᠋᠘ᢗᠲᢥ᠋ᠴᢛ ᠔ᢣᠻᠳ "bD< "dUc Tb", ᠳ᠗᠘᠘᠘᠘᠘᠙ ΛιΓΦιίν ρ^{σ_t} aar UJCβ'de aaβ' Δβαθίσ' ∆ا4خ ے ا کٹ د کا ک ۵۹۹۰٬ Δ۵۹۰ خ کا ہو۔ عما ﴿ فَأَ ᠘ᠳᡀ᠆᠘᠙᠙᠘᠙᠘᠙ امنا ۱ کا ۱ کو ۱ کو کا ۳۶-۲- ماساله ۱۳۶۳ ماساله ۲۳ 50%-%Cc ۵۰⁵ - ۲۵ - ۲۵ $\Lambda^{c} \int_{a}^{b} J^{s} \sigma - \delta \sigma D^{c} d \Pi^{b}$. ۵۰-۵ ۱۲۵۲ ۱۲۷۲ ۱۲۷۲ ۱۲۷۲ ۱۲۷۲ ۱۲۷۲ ۱۲۷۲ ۵۶۰۵۵۲ - ۵۱۳۵۵ ۲۵۴۵۲۵ ۵۶۴۵۲۵ ۵۶۳۵ ۲٬۹CD&%'۲Ld&, عو،۲۵۲ ه،۲۶۵۲ ه مان د کال ے วาะผกรุ่ษากา 4° C $^{\circ}$ C $^{\circ}$ +F $^{\circ}$ L $^{\circ}$ L $^{\circ}$ L $^{\circ}$. حالاهاه ۵مرور بومکری ۱۲۵ کی کرد و کام ۱۹۵۸ کی در در الم

 $\Delta = 0.05$ $\Delta = 0.05$ Λ_{-}^{2}

Inuktittut translators such as Johnny Angma have to learn, and develop, new terminology for unfamiliar vocabulary that is being introduced by increasing interest in mining.

 $U1^{\circ})2^{\circ}CDL^{\circ}AD^{\circ}$. $CL^{\circ}dAC^{\circ}U$ $\dot{d}^{\circ}\dot{q}^{\circ}$ $\dot{D}\dot{c}^{\circ}\dot{q}^{\circ}$

ά^ις-Γ αιτερυσιστή ۵۶۱-۵۸۲ ۸۳-۱۹۸۱ کا ۵۶۲ کا ۵ ۵۰۲۵-۱۳ ماه ۱۳۶۰ ما۸۵۲۵-۱۳۶ ماه ۵۶۲۴ ما۹۲۵-۱۹۶۵ ماه ۱۳۶۸ ماه ۵۶۲۳ ماه ۵۶۲۳ ماه ۵۶۲۳ ماه ۵۶۲۳ ماه ۵۶۲۳ ماه

۵۲۵۲%ناء ا°ەڧەكەككەك $\Delta \Delta D^{c}$ $D + S^{c} \sigma d S^{c} + i d D^{b} U \sigma$ $\Delta \sigma \dot{C}^{c}$ $\Delta \Delta^{b} \Gamma C$ $\Delta C \dot{C} \sigma$ (4.7) $\Gamma \subset \Phi^{\circ} \hookrightarrow \Gamma^{\circ} \subset \Phi^{\circ} \cap \Phi^{\circ} \subset \Phi^{\circ} \subset$ ۸C⁶نام۱۸ ۵۶۹ مادک^۱د ۸C ےمہ√ 'طخح'کحہ. ነ^ናየበ^ናረረ<mark></mark>L</mark>ን^ና ᠳᢄ᠘᠘ᡎ᠘ᡓ᠙᠙ᠺ᠘᠐ᡐ Ç۱۹۹ ᠐᠋᠆᠊᠈ᡶ᠙᠘᠐᠈ ح ℃ م د ک ΛϹ¹δ¹σ¹δ¹σΓJ^c ۵۱۰ و ۱۵ و کام ۸۲ 5° σ 4 C D \dot{c} 5 5 5 7 \dot{c} ᡏᡒᠾᡄ᠘ᡏ᠙᠘ᠮᠲ᠙᠘᠘᠆ᢇ $C^{-}CL_{\sigma}$ ۸۲٬۶۵۰ و ۱۹۸۸ و ۱۹۸۸ ᠕ᢗᡃᡖ᠆ᠸ᠘᠘᠆ᠳ ρες°σαςριίς Υρσι. ϤΓΫͽͽΓͰϤϲͺϽ (ΓρϤϤ϶ͽϒ βΡέξε ϤϢϦϧͺ ΠΊζ) Φέξ ΤΟ Βίθρς-^ال الماء ماه الم

 $\langle \dot{b}^* \dot{b} \rangle$, $b^{\circ}\dot{b}$ $a^2\Delta^{\circ}$ $b^{\circ}b^{\circ}$ a° ΔΡΟΔΑ $D + S^{\circ} \sigma A D J^{\circ} \Delta D^{\circ}$ $\Lambda \subset \mathbb{N}^{1} \cap \mathbb{L}^{C}$, ᠕ᢗᡃᢆᡠᢖᠲ᠘ᠯᢥ᠋ᢐᠲᡗ᠋ᠵᠣᡰ᠋᠐ᢣᠻᡨᡏᠺᡗᢣᠦᡰ᠐ᢣᠻᠳᡏᢗᠺ᠋ᠾᠲ᠘ᡓ᠐ᠳ $4 \text{PL}_{2} \text{C}_{2} \text{P}_{2} \text{LF}_{4}$ ۷۲٫۴ کے ۱۹۶۰ میر پی ۱۹۵۸ کی و $\Delta^{c} L^{5} b^{c} C \sigma^{5} \Gamma^{6}$ D>9°04CD2'0° ᠘ᡶ᠍ᢖᡒ᠙᠘ᢖ᠙᠘ᠳ᠘᠙᠘᠘ᡧ᠘᠘ ᠐ᠳ᠋ᢪᠳᢣ᠙᠙᠘ᡣ᠍

ᠮᡄᡥᡩᠺᢖ᠍ᢀ᠂ᢗᢀᢞ᠒᠒᠋᠘᠙ᡀᡀᠼᢛᡫᢐᡅ) ᠔ᢣᢡ᠊ᠳᡏ᠙᠔ᢋᡣᢇᠣ᠂᠙᠘ᡶᡜᢁᡒᠾᡣᠳ᠉᠒᠒ᢤ᠒᠒ᢤ ᡠ᠘᠘᠆᠐ᢎᠮᠮᢖ, ᡏ᠘ᢞ᠘ᡣᢓᢖ) ᡬᢪᡆ ᢤᡩ᠘ᠮ᠙ ᠐ᢣᢧ᠐᠘ᢞ᠖ᠮ᠙ᠣ ᢧᢣᢡᠳᡏᡧᡳ᠘᠐ᠧᢖ᠐ᡆᠳᢣᢧ᠘᠘ᡧ ᠘᠘ᠮ᠘ᢐᠲ᠘᠘᠘᠘ ۵۵٫۲ د۵۰ و ᠘᠘ᢖ᠙᠘᠙᠘᠘ $bL\Gamma^{c}\gamma = 0$ $bLJCDU5^{5}\gamma = 0$. ےمالک کے ۸۵٬۲۱۵ دکا کے ۵۲۲۲ میں ۸۸٬۲۱۵ کی ۸۵٬۲۲۵ کی ۸۸٬۲۱۵ کی میر $\Lambda C^{\dagger}_{\bullet}$ $\Delta C^{\dagger}_{\bullet}$ $\Delta C^{\bullet}_{\bullet}$ $\Delta C^{\bullet}_{\bullet}$ $\Delta C^{\bullet}_{\bullet}$ $\Delta C^{\bullet}_{\bullet}$ $\Delta C^{\bullet}_{\bullet}$ $\Delta C^{\bullet}_{\bullet}$ $\Delta C^{\bullet}_{\bullet}$

2009 199JEL 1015055050010J, 615 2017LDC 1'5'[" 1'75DN'6'NCT"-" D49° 0 1 1 6° 0 2 2°°, 2017L5°6 721716 1 1°r - 16°J>" D>9° - 19°50°L, 201 130 Pc Cob Dolro-LT jota 1900lo.

In late 2009, Commerce Resources Corp discovered the Ashram Deposit, which has turned out to be one of the world's largest rare earth deposits, located approximately 130 kilometres south of Kuujjuaq.

deposits; it contains the third most rare earth oxide in a deposit outside of China (4.7 million tonnes). Further, the deposit hosts a pervasive enrichment in the mid-

dle and heavy rare earths with a zone of more focused enrichment extending directly from surface. This enrichment creates a very well balanced distribution over all the rare earths and an increased enrichment in the five critical rare earths. This is something that very few deposits can state.

After Bayan Obo, Mountain Pass, and a select few other deposits, total rare earth oxide grade drops significantly with only a handful of developing projects exceeding 1.80% total rare earth oxide with appreciable tonnage (greater than 40 million tonnes) and mine life (greater than 25 years). The Ashram Rare Earth Deposit has one of the highest grades of any

deposit greater than 50 million tonnes that is being developed outside of China. With so many positive attributes (size, grade, mineralogy, distribution etc.) the Ashram Deposit has much potential to be developed in an economically, environmentally, and socially responsible manner with the opportunity to become Nunavik's first, and perhaps only, rare earth mine.

$P^{\bullet}J^{\circ}-\dot{C}\Gamma^{\circ}$ $\Delta \Gamma^{\circ}-\dot{\Gamma}^{\circ}$ $\Delta \Gamma^{\circ}-\dot{\Gamma}^{\circ}$ $\Delta \Gamma^{\circ}-\dot{\Gamma}^{\circ}$

ひゅらんかい インショイかいら ハケレイのよい ダーハイン ンーのよい

One last Candy Drop for C-GMAY



 Γ βce Δijie 'ββccinoe'r Λcinbeie'. Δ 5 alan' θ 16 θ 16 19679-045% ᢗ᠍ᠿᢛ᠘᠙ᠳ᠘᠘᠘᠘᠘ 4.59 6.5— "56°6°C4°6° <5°20°7°5°" — ∧ → 45°5°° × 50°1°° — ∧ → 45°5°° × 50°1°° × 50°° × Γ $L1, \sigma \lor e$ $P1UPJOS \sim 2 \lor CAUPJOS \sim 11$ <ب^ح الربع بها اعا ᡏᡓᡀᡒ᠘᠘᠘᠘᠘᠘᠘᠘᠘᠘᠘᠘᠘᠘᠘᠘᠘᠘ 9,44L ,045FCD42,PD }= J C9, GCD2,9,0,CLF2,# ۸۲۵،۲۷۹ و ۱۳۶۰ ۱۳۹۶ و ۱۳۶۲ و ۱۳۲۲ و ۱۳۶۲ و ۱۳۲ و ۱۳۲ و ۱۳۲ و ۱۳۲ و ۱۳۶۲ و ۱۳۲ و ۱۳

This was to be the last candy drop made from the Beaver bearing Johnny May's name, C-GMAY, as the plane would be flown to Montreal the day after to be sold. n the past five years, I have had the honour to meet a few aviation legends. Amongst those, quite a few bush pilots. Most of them I had met through aviation events held in southern Quebec or Ontario. Now I was being invited to witness a unique Canadian aviation event — a "candy drop" — done by an illustrious Inuit bush pilot: Johnny May. I had seen pictures of the Christmas candy drops done over Kuujjuaq and I knew Johnny May was an iconic figure in the bush pilot community (and no doubt within his own community) but I had not met him and, in fact, knew very little about him.

Now I won't surprise many of you if I admit I had to look up "Chisasibi" on Google Maps. And like most "southerners", I had never set

foot unto James Bay territory. It was thus a very promising flight and visit.

Why do I call a candy drop a "unique Canadian aviation event"? Because Johnny May is the only pilot in this country allowed doing such a thing. Regulations prevent a pilot flying low over populated areas and one is not

The airport being close by, heads turned to the sky as we heard the sound of the Beaver's engine roaring in the distance.

allowed to drop anything from a flying aircraft. Transport Canada issues a waiver specifically to Johnny May each time he makes a candy drop. But why was *this* candy drop special enough to consider it "historical?" I asked Félix Marseille Lussier, my young pilot friend.

This was to be the last candy drop made from the Beaver bearing Johnny May's name, C-GMAY, as the plane would be flown to Montreal the day after to be sold. Johnny May has been doing drops for 47 years now. He started with a Piper PA-12, a small three seat, high wing, single engine aircraft. And since he had his Beaver C-GMAY in 1975, the candy drops had been made from this aircraft. Félix wanted so much to witness this event. He was just off from his first month working as a pilot for *Execaire* in Mauritania, Africa and the first thing he did back

in Montreal on his month leave was to hop on a plane and go up North to be with his friend Johnny. On Félix's *enthusiastic* invitation I flew with my friend René Warnet in his Cessna 185 and another pilot, Jean-Claude Dostie joined us in his own Cessna 185.

This candy drop was indeed a special one I have learned, but for other reasons. It was the first one to be done in Chisasibi, in Cree territory. It was planned to take place during the Makivik Annual General Meeting, also the first one held outside of Nunavik as Chisasibi is home to about 120 Inuit.

So we may have had different reasons to be there but we were, obviously, all eager to be part of this candy drop event.

We arrived in the afternoon at Chisasibi airport and had no planned transportation means to go to the drop site. As the Beaver was being loaded with the goods to be dropped, we were offered a lift in an Air Inuit van. As I sat in the van going to the site, I was pinching myself. No I was not dreaming!

As we got off the van, what I saw before me was totally awesome. We were on the James Bay road and from Fort George street to the top of a hill perhaps a mile away, there was a crowd lined up covering the road in its entire width and as far as one could see (well, almost). I have read that the Chisasibi population totalled about 3,800 habitants. It was as if they all came!

It sure was a festive moment as young and not so young arrived on the site. And there was some excitement in the air as the moment we were all waiting for approached. The airport being close by, heads turned to the sky as we heard the sound of the Beaver's engine roaring in the distance.



Peter Horsman, Pat Ekomiak, Johnny May and Félix Marseille.



 \dot{C}° \dot{C}°

 C^{*} C^{*

Ubc D441c ۰ اهد ۲ 'PNSCL'TLC'NJ *ι*', Υ *ι* ∨ ν ν . ۰ما∜۸°۲ ۲۵۲۲۱۶ کا ۱۲۵ $\langle C_{C} \cap C_{C} \cap C_{C} \cap C_{C} \rangle$ حه که ۱۵۲۵ کامن ۱۵۲۵ کاند آن ایم ۱۵۲۵ کاند ᠤᠳᠳᢋᡒᠾᠼᢈ ΔPJLLL%icC ۹۸ مر که ۵ در -D441c. Ubo ᢆᠣᠳ᠙ᠳᡬ᠘ ΔPL〜٬۲۵%, $\lambda^{c} + \lambda^{c} + \lambda^{c$ ፟ኒៃት[‹]ጋ‹

ᠤᠳ᠙ᡩ᠘ᡕ $\sigma P \subset S^{c}C$, C97PP ۵۲۱،۵۲۹۶ - ۲۵۲۵،۱۲۸ 4 Γ Γ 440 PLJ_c ᠑ᢀ᠘᠘᠑᠘᠘᠘᠘ ۲۰ کا ۱۹۰۲ ک T÷L4σ° 45%LD4°6 = 2 - 2 - 2 - 101'L04' Cd'\01' cA-L'\41' $\Delta \triangle 5$ 5'7 σ ($\Delta \succeq$, $\delta 5$ '74' δ 1). 424'7'5'C7L4% $\delta 5$ '5'7 δ 1 ~_CQ2,4DJc $\nabla_{\zeta} \nabla \sigma_{\ell} \Phi_{\ell} P_{\ell} \Gamma_{\ell} \Gamma_$ LVC1790 *ح*٠(م الأدرام٥٥ ر و ۵۷ ک کی ۱۶ ۲ کار በየ4ኑ^ናበ ے ቦ^ና.

۵۵۵۵۲۶٬۵۰۴ کا ۵

Johnny May first made a few observation passes to "feel the air". And then the drops began as arms went in the air hoping to get a few inches more to grasp the goods being thrown out by Félix and his friend, Patrick Ekomiak of the Saputiit Youth Association. As each pass was made, candies but also coats, stuffed toys and "special valuable gift certificates" were spread all along the road lined with people. I would estimate the accuracy of the drops at 99% . Good job guys!



Cree Nation of Chisasibi, Northern Stores and Air Inuit for making this event possible! Special thanks to Johnny May for his warm welcome and for sharing quite a few bush pilot stories and laughs. This weekend was just magic. It was a privilege and a real pleasure to be with Johnny, if just for a short time. I enjoyed every minute!

Many thanks to the

My only regret is that

weather prevented us from landing a little sooner so we did not have the opportunity to visit Chisasibi or meet more people. We also stopped just short of Nunavik territory. Reasons to hope to get back "up there" for sure.

For the flight back to Montreal CYUL, Johnny sat in the co-pilot seat and let his young pilot friend Félix Marseille-Lussier fly the Beaver. A day that will surely be forever in Félix memory.

So was this the last candy drop for Johnny May? Fortunately not! He will now use another Air Inuit / Johnny May's Air Charter aircraft to do his future drops. May you live long Johnny!

حام ک کی آل کی کی کو کر کا ل ک

MAKIVIK magazine



 Λ° \\ \text{COULLY \$\sigma^{\sigma} \\ \text{COULLY \$\sigma^{\sigma^{\sigma} \\ \text{COULLY \$\sigma^{\sigma} \\ \text{COULLY \$\sigma^{\sigma} \\ \text{COULLY \$\sigma^{\sigma} \\ \text{COULLY \$\sigma^{\sigma^{\sigma} \\ \text{COULLY \$\sigma^{\sigma^{\sigma^{\sigma^{\sigma^{\sigma^{\sigma^{\sigma^{\sigma^{\sigma^{\sigma^{\s

 L^{2} Δ^{2} Δ^{2

 $\label{eq:continuity} $$ \frac{1}{\Delta C} = \frac{1}{\Delta C} + \frac{1$

D♂♭bD♂~&♂[®] About the Author



7-141 > - 1 Ned 100 of 1 Do 16 Le 10 16 $\Lambda \sim L^{1}b^{1}\Lambda \Gamma^{1}b^{1}CLL^{1}\Gamma\sigma^{1}$ >١٦٥٩٤٥٥ ح٦١ $\Delta c^* = 4 \Omega^c + \Delta^c \Gamma^c = 4 \Omega^c + \Delta^c + \Delta^c \Gamma^c = 4 \Omega^c + \Delta^c +$ ᠂ᡌᡒ᠘ᢗᢋᡃᠬ᠐ᠵ᠂᠕ᠳᠲ᠒ᡕ᠘ᢣᡒᠾ᠊ᢩᠣ᠆ᡒᡗ᠊ᠻᠲ᠈᠂᠕ᢎ᠐ᠳ᠈ الغزاء 2000-مار، ١٥٦١ ١٩٢٥ Δغ مفر ملاحه اله ل و ۱۵ م اله و م ۱۵ م اله الم د الم الم د الم الم د الم الم د ۵٬۲۲۵ مهرور ۱۹۸۵ مهرور کا ۱۹۸۵ مهرور کا ۱۹۸۵ مهرور کا ۱۹۸۵ میرور کا ۱۹۸۵ میروند کارد کا ۱۹۸۵ میروند کا ۱۹۸۵ میروند کا ۱۹۸۵ میروند کا ۱۹۸ میروند کا اولید کا اولید کا ۱۹۸ میروند کا اولید کا 200٥٠(١٥ مول ١٥ مول Ხጋናትኄበሰኖል∿ሀር ነዋΓነዋላራላ ፈሪጐዮ ്ഛ La Brousse− عمر, عرد ارد به اردم و کار به به اردم ح COPA Flight-d° C55PCL° 5PT524-4~156°-6 5PT52-49CD.5Up PTCLD. FLE-1P15Up 1P2C.C41UP

 6° 6°

Jean-Pierre Bonin is a retiree from Cegep Ahuntsic in Montreal. Though he has been an aviation enthusiast since he was a teen, it was only in 2000 he became involved with general aviation as one of his neighbours was assembling a kit aircraft in his home garage. He is a regular contributor for the Quebec Aviators and Bush Pilots Association magazine *La Brousse*, also periodically contributing to *COPA Flight*, the monthly journal of the Canadian Owners and Pilots Association.

Pilot Félix Marseille Lussier was, up until recently, working as a "ramp rat" for Air Inuit in Kuujjuaq. He motivated René Warnet, flying a Cessna 185, along with Jean-Pierre Bonin to fly up to Chisasibi for the historical candy drop on March 30, 2012.





The Good Touch/Bad Touch program was first delivered to young students in Quaqtaq.

᠂ᡏᢐ᠙᠂᠕᠄ᡩ᠋ᡀ᠙᠘ᠵᠲᠣ᠘ᡷᢛ᠘ᢐᡄ᠒ᢇ᠋ᢖ᠘᠂᠘ᢐ᠘᠙ᡌ᠒ᡶᡗ᠒᠙᠙ $\Delta \triangle \subset A^{L}\Gamma \triangle$, ٥٢٥٦٥٥٥ ᠘ᠵ゚ᠳ᠐ᠰ᠘᠄᠂᠒ᢣ᠒᠂ᢣᠳᠮ᠌ᠴ᠂᠙ᢗ᠋᠘ᢃᢆ᠘᠐ᠵᢐᡝᡱᡄᡒᠾᡧᢛ᠍ᠴ $PUF = 454.P_{1}U19.P = 4254.P_{1}$ 2201%LD4c ۲⁶474⁶71⁶ مه⁶6⁶ غد⁶646. ΔC_{e} ΔU_{e} $\Delta U_$ $\Delta c^* \sigma 4 \Omega^{\varsigma} U \Omega \Delta \Omega^{\flat} > \Omega C C^{\flat} \Omega^{\flat} \Delta \Gamma^{\varsigma}, \dot{D}^{\varsigma} \Omega \Omega C^{-1}$ $PU\Gamma = 454.P_{\ell}U41U54c$ $VU_c L_1UD = D L_2 c$ 'ሀባ_'ር୮, ĊჼdႫჼႱႷႯჼ $PU\Gamma = 45 L_{e} P_{e} U L_{e} P_{e} P_{e} L_{e} L_{e}$

᠑᠂ᡰ᠘ᡩ᠘᠘᠘᠘᠘᠘᠘᠘᠘᠘᠘᠘᠘᠘ 190,CLDc ۵- ۵ م ᠘ᠸᡱᠳᡏ᠒ᢐᡗᡕ

ے م^۱۲۵ ح آ ح $PU\Gamma = 454.P \cdot UCD L 4.P \cdot P \Gamma = D \cdot 44.$

Nearing the end of the school year, a team representing Nunavik's police force, school board, health and social services, and Ungava Tulattavik Health Centre, went to Pitakallak Elementary School in Kuujjuaq to give information and safety workshops regarding child sexual abuse. Although the program is adaptable for up to Grade-six, these trial workshops were done with the Kindergarten and Grade- ≥ one students. Quaqtaq, where they gave the \$\frac{\pi}{2}\$ same workshops earlier in the school year, was the first Nunavik community to benefit from the

Good Touch/Bad Touch program.

Before going into the classrooms, they do presentations over community FM radio, have a parents information evening, ᠕ᢟ᠆᠖ᡃᠯᠬ᠋ᠺᢗᡃᢗᠺᡗ᠋ᡏᡐᢐᡶ᠌᠌ᡳᠬᢐᡩᡳᠬᢐ᠂ᡬᡃᠳᡄᢐᢐᡶᡕ*᠂᠕᠔ᢣ᠅᠂ᡧ᠑᠘ᠳ᠅᠂᠕᠔ᢐᢐᡳ᠐*᠅ ᡏᢀ᠘*ᢍ*᠅᠘᠆ᢪᠣᡏᠬᠺᡟ᠋ᡣᢉᢣᡄᡏᢐ᠋ᡰᡶᡶᠳᡕ

 $\Delta c^* \sigma d D_c d d^* \Delta c^*$ 7,96,679,94 ۲۶۰%لح, ᠗ᠳ᠋ᢥᠪ᠙᠙ᢉ᠐ᡕ, ᠐ᢛᠴᡆᠲᠴ᠂᠙᠑ᡥᠾᠿ᠋᠄Ͻᡖᢥ᠂᠒ᢣᡳ᠒ᠵᡲ᠊ᠮᢥ᠂᠕ᡕᢋ᠒᠄ᡑᡳᢥ᠒ᢥ ᡖ᠐ᡒᡒ᠘ᢣᠬᡲᡩ᠙ᢗ᠊᠋ᠺᡳ᠘ᠨ᠈᠂᠙᠐ᡒᡒᠾᠻᠳᠻᡲᡲᡩ᠙ᢗ᠘ᢣ᠘ᠸ᠘᠆ᡓ᠂ᢁᢦ᠆ᠳᢁ᠘᠙ᢋ᠘ᠲ᠘ᡶ Δ \subset Λ \subset $A_{i}P_{i}P_{j}P_{i}P_{i}$ $A_{i}P_{i}P_{i}$ $A_{i}P_{i}P_{i}$ $A_{i}P_{i}P_{i}$ νθς Γυναίν Ιδορία (Το για ο 1946) 1946 - 1 ےمردداُ^د >خا^ہائے^د $V + P_{\ell}U + C \cap C - P_{\ell} \cdot L_{\ell}$ ۸۰٬۵۰۲ $V = V_c U L + D_c L^2 = -$ Ċჼ┪ᠴᡐ᠋し ለᢧᡶᠰ ᡏ᠑᠘ᠣᡥ / ለᢧᡐᠷᡗ᠈ᡟ ᡏ᠑᠘ᠳᢥ Λᡆ᠘᠂ᢗ᠐᠋᠋᠐ᠲᡗ°ᠴᢩ᠙ ᡒᡃᡄ᠐ᢣ᠙᠋᠋ᡗᡣᡗᡩᠴᡏᡤ᠈᠋ᠾ᠉ᡎᢗᢀ᠂᠋ᠫᡪᡣᢗ᠙᠋ᡗᡣᡗᡩᠴᡏᡳᢛ᠒ᢖᠴ, ᠙ᠵᡏᠳ᠐ᠯᢛᠴᡏᡃᡳᡣ᠍᠍ ۵۲۲٬ ۵۴۲)٬ ۵۴۴۶۲٬ ۹۴۵٬۲۵۵ مرز ۵۴۵۲مه۵۰۰ ۵۴۲۸۵ ۱۲۵۳ مرز ۵۴۵۲مه ۱۲۵۳ مرز ۵۴۵۲م

 \dot{C}^{\dagger} \dot{C}^{\dagger}

and a meeting with local interveners such as the two police forces, social workers, youth protection members, justice committees and others in positions of service. They did not receive much response after the radio show, Lizzie Aloupa, KRPF prevention counsellor and facilitator for *Good Touch-Bad Touch*, says, "Sexual abuse is a tough subject, a subject that is really sad for people, so we never have a lot of feedback and comments, but many say it is encouraging and that is it something that has to be dealt with."

They also mail an information booklet on child sexual abuse to all local residents entitled "Together Let's Protect Our Children" that is printed in Inuktitut, French and English. The booklet is a guide prepared by the Nunavik Regional Committee on Sexual Abuse Prevention, composed of members of these same four collaborative organizations. It "provides information and raises awareness" on topics seldom addressed, including "How to talk about sexual abuse to children," "The signs and symptoms of sexual abuse" and

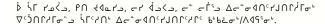
"What will happen if I contact Youth Protection services?"

"We inform everyone we can think of, which is why we gave everyone this book in the mail, because we need to inform everyone that we are about to do this kind of teaching. And the reason we are doing it in the class is so we can observe the children because sometimes you can see how the child is impacted by the information," Lizzie says.

In short, we all have an important role to play in the lives of children when it comes to safety from sexual abuse. The introduction to their booklet, which designates a child as "a person under the age of 18," describes, "If you work in a daycare, school, health centre, nursing station, healing centre or a community organization, or if you are a police officer, a spiritual guide, and elder or a community counsellor, you have an important role to play in identifying children in serious need of help. The same goes for the children's family members, the people around them and all of the members of the community."

Lizzie said that it has taken about a year of planning before any workshops were conducted in Nunavik. The health board passed a resolution in 2004 to make sexual abuse a priority to deal with in Nunavik. "We said we have to plan it very carefully because this topic affects most everybody in Nunavik, whether on themselves or knowing someone that it happened to... It's a prevention type of activity, and planning with the health board personnel, we came out with these information booklets and planned the activities," Lizzie said.

They go to the classroom three times, according to the Good Touch/Bad Touch





 $\Delta _{p}^{h}$ $\Delta _{p}^{h}$ 49910016416 49910016916 499100016916 499100016916 499100016916 $\lambda_{\rho}q + \lambda_{\rho} \lambda_{\rho} + \lambda_{\rho} \lambda_{\rho} \lambda_{\rho} + \lambda_{\rho} \lambda_{$ Λ alloriant Λ a Δ^{c} V^{\dagger} V^{\dagger

 $PLP_{PL} = PLP_{PL} = PLP_{PL}$ 6 C) $^$

" $\Delta^{c}_{b}C \sim \dot{L}^{c} \cap \sigma^{b} = 0$ $A_c = A_c + A_c$ $V_{c} = V_{c} + V_{c$ Δ CL)L $_{\rho}$ C $_{\rho}$ C (ما م د س ح) ᠙ᢓ᠙᠘᠙᠙᠘ Λ σ Λ Γ Γ Γ Γ Γ $V_c \not\in U_tP_t \not\subset V_c \not\in V_t$ ۲۱۵ و ۱۵ و ۱۵ کام $\mathsf{D}^{\mathsf{L}} \mathsf{C}^{\mathsf{L}} \mathsf{D}^{\mathsf{L}} \mathsf{C}^{\mathsf{L}} \mathsf{D}^{\mathsf{L}} \mathsf{C}^{\mathsf{L}} \mathsf{D}^{\mathsf{L}} \mathsf{D}$

1->49%C9 $\Delta \dot{\omega} \uparrow^{\circ} \Gamma^{\circ} \sigma = b L^{\circ} \uparrow^{\circ} b \uparrow^{\circ}$ Δ^{c} ᠘᠈ᠳ᠘᠘᠕᠕ᠳᠳ᠘ JYCDUCTICD-LAPPOLOGIC NP. A JOCO DE LA LOS DE LA LOS DE LA LOS ۸۹۹٬۵۰۱ "Δغ۲۹، "Δغ۲۹، " ՒԻՆ_ՔԻՆԻ $\Delta 1c^{b} l \sigma u^{b}$, " $\Lambda a l^{c} \Omega D J \Lambda^{c} V L^{c} l \Lambda^{c} \Gamma$, $\Delta c^{b} \sigma l \Lambda^{c} \Gamma$, $\Delta \supset \ell \subset L \Lambda^{\ell} \Gamma$, $\dot{\eta}^{\epsilon} \supset \Lambda^{\ell} \Gamma$, $L \Gamma \gamma^{\epsilon} \Lambda \Gamma \supset \ell^{\epsilon} \ell^{\epsilon} \supset L \ell^{\epsilon}$ ۲۰ ند ۲۳ >=rDJ&c, $D^{\varsigma} \Lambda \sigma^{\varsigma} \Gamma^{b}$ CYDINDJAC, 97961070b

 $CL^{\circ}a$ $\Delta c^{\circ}b^{\circ}c a^{\iota}\Gamma + b^{\circ}b D^{\circ}b D + c^{\circ}b D^{\circ}b D^{\circ}c A^{\circ}c$ 601°00°2<'C°00°2° . 'م' ا∜ (د'ے ∆ د م° م ∆ 2 2 5 6 N - L L 1 3 6 2 C - 2 C C 1 2 3 5."

D 9 P J J 2 P P 451-LLC1 400° ᡏ_₽₽┖ В ЧАС в 45UUche 450r4cb1cc. Δ Δ C C C C C C C V_c45V_P 2004-%JN-37 OPC7NT% 46jnner_- $D^{5}L^{5}$ $\Lambda \circ \Lambda_c C_{\ell} P_{\ell} P_$ $\Delta^{c} \gamma j^{s} \sigma \rightarrow \sigma^{c} \sigma^{c}$ $7^{6} + 7^{6$ $^{\circ}$ $^{\circ}$ $V_c + U_c + U_c$ ے م^ی ۵۷ کے لُلے ^د۲۷ م **ᡏ᠈᠋᠘᠘᠙᠙᠙᠙᠙** CL⊃J∂U ما ۲ه ت کا عنه (الالالما کا در د ت کا عنه در د ت کا عنه در در الالالمالمان کا در الالالمالمان کا در الاستان کا د ᡏᢓ᠒ᢣ᠐ᠳ᠙᠘ᠸ በ $^{-}$ J... ለ $^{\prime}$ ሁነበሀ $^{-}$ ታየነት $^{\prime}$ የታ ለ $^{\prime}$ ታየነታ ለ $^{\prime}$ ታ ለ $^{\prime}$ ታ ለ $^{\prime}$ ታ ለታ 5,U ~,P U .P,5 C ¬ Δ \supset C C C 5 Γ Λαζιίδι ος, <u>-</u>ΔCV «ΥΟΙΝΟΣΑ» ΑΣΥΙΝΟΥΘΕ ΑΣΑΓΑΝΟ ΔΕ

 $V_{\rho} \cap V_{\rho} \cap V_{\rho$ 6 6 6 7 7 1 $^{\circ}$ $CLDL \ \Delta$ $CLDL \ \Delta$ Λ^{2} Δ^{3} Δ^{4} Δ^{5} Δ^{5

 Λ 01/6/10 Λ 0 π 2/6/6/6 π 0 π 0 π 0/10 π 0 π 0/10 π 0/ $\mathsf{CL}_{\sigma}\mathsf{CD}_{\ell}$ $\mathsf{VAUL}_{\mathsf{CI}}$ $\mathsf{CL}_{\ell}\mathsf{A}\mathsf{A}$ $\mathsf{\nabla}\mathsf{C}_{\sigma}\mathsf{AU}_{\mathsf{CI}}\mathsf{AU}_{\mathsf{CI}}$ $\Delta V_{c} = \Delta V_{c} = \Delta V_{c} = \Delta V_{c}$ $\Delta c^* = 4 \Omega^c r^2 c$ $\Delta = -0.410$, A = -0.410, A = -0.4100, A = -0.4 Δc^{6}) $^{\circ}$ $^{$ ∇^{-} $\Delta = (74)^2 \Delta = (13)^3 \Delta = (13)^$ $\Lambda = \Lambda^{1} \Pi = \Gamma^{1} \Pi^{1} \Pi = \Gamma^{1} \Pi = \Gamma^{1$ $\Delta = -40$ \chi \land \chi \chi \land \chi \

Typically young children have a short attention span, which is also why dividing the lessons into three parts is important. Their teaching tools include a giant storybook, giant touch cards and colouring books showing some of the same pictures as in the giant storybook. "Some classes are more attentive, but most of

curriculum. "Just once is not enough because the teach-

ing of sexual abuse is a very sensitive matter," Lizzie says.

the kids have paid good attention, especially the Grade-ones," Lizzie says. "Some of the teachers also take what we taught and reinforce it. Our hope is that the schools would pick it up and start integrating it into their teaching materials."

In the first session they teach what a "good touch" means and that most touches are good. Examples are shown, such as how babies and small kids are affectionately touched at home. During the second class, they talk about "bad touches" — touches of sexual abuse, and the "body safety rules" that are also displayed on their poster. They are taught to take action and to tell somebody else if they are touched inappropriately. "We keep telling them what part of their body

should not be touched —their private parts. We repeat this a lot throughout the classes, that it is their body and they should not be touched in their private parts,

> and that they have to tell someone if it happens to them," Lizzie explains.

> She was a kindergarten teacher for many years so going in a class and teaching comes natural for her. "On sexual abuse I have the training to know how to talk about it or deal with it, so it is a topic I am comfortable to talk about. Someone has to be really committed to doing it because you have to know the subject very well."

> During the third part of the lesson, each child is asked one-by-one who they would tell if they were touched in a bad way. "If they were at home, whom they would tell — an adult, an older teenager — who is older than themselves that they can tell? First I ask them who do they think the person who would sexually abuse them would be and what would they look like. I tell them it could

be your parents, friends, relatives, father's friend, mother's friend, someone in your home, or someone who comes to your home."

Amongst the gifts and resources that the team brings to the schools for teachers and students, they have teddy bears with tags to help kids express how they feel and T-shirts for them that say, "I am precious" on the front and "It's my body, I have the right be safe" on the back." Lizzie says, "After the teaching we evaluate each child to see if they really got the message."



 $\Lambda = C L^5 b^5 \Lambda^5 d \dot{C} \sigma$. ۲۰ د ۱۵۲۵ و ۵ کا ۱۵۵ و ۵ $\Delta b \prec^{\varsigma} C D \Gamma A^{\varsigma} b^{\iota} L L L C^{\varsigma} J \sigma^{b}$.

> "A="=10" / A="" A="" (") $\Delta c^{\circ} \sigma 4 \Omega^{\circ} r J \Omega^{\circ} \Omega \sigma^{\circ}$ 1748CL4c ¿%%リイハ「</こへへいし. 0~1010161>J-Δ-°- 18° - Δ-°- 10° / 2° 1)16°C="6"6" $\Delta c^* \sigma 4 \Omega^c r J \Omega c 4 \Gamma \sigma^c$ *▶ላ?∩Ր♭▶*∩°८%'6°С८'6°\%°°6'."

"Some of the teachers also take what we taught and reinforce it. Our hope is that the schools would pick it up and start integrating it into their teaching materials."

 $\Delta c^* \sigma 4 \Omega C D C A^8 UP D C^* \sigma^6 \Delta c^4 C D J D G C^6$ ე₽∿სԺჼ " 4° OCD $^{\circ}$ 74° OC $^{\circ}$ 4.DCDJL- $P4^{-}$ Δ \Rightarrow a Lc Π^{6} Λ P4 σ Φ Λ^{6} Π^{6} Π^{6} Π^{6} ۵۸۵ د ۱۹۵۲ کا ۱۹۵۸ ۱۹۵۸ ۱۹۵۸ ۱۹۵۸ ۱۹۸۸ ۱۹۸۸ ٩٥^٩٢°٠. ᠘ᠸᠳᠳᠬᢗ᠈ᠳ᠐ᢉ $\nabla^{\varsigma} \Lambda \rho \cap {}^{\varsigma} L_{\sigma}$. ۹۰۵Δσ٬۲۰" Δ ' \dot{l} ' σ \dot{l} ' Δ ' \dot{l} ' Δ ' " ۱۲۵٬ ۱۲۵ مرب ۱۳۵ مرب ۱۲۵ مرب ۱۲۵ مرب ۱۲۵ مرب ۱۲۵ مرب ۱۲۵ مرب ACD44, C_{P} Ab_{P} CDCL $P\nabla CUCD_{P}L4$. Pal ما ۵٬۵۲۵ منات ۱۳۵۵ ما ۵٬۵۲۵ منات ۱۳۵۵ منات ۱۳۵۹ منات ۱۳۵ منات ۱۳۵۹ منات ۱۳۵۹ منات ۱۳۵۹ منات ۱۳۵۹ منات ۱۳۵۹ منات ۱۳۵ منات ۱۳۵۹ منات ۱۳۵۹ منات ۱۳۵۹ منات ۱۳۵۹ منات ۱۳۵ منات ۱۳ "P4PJG-46PJQJC 4P JCPJG-56PJGacbbrnJ. CLDΓbl Δcbnocions $D_{\ell}P = P_{\ell}P = P$ ᡆᡄ᠈ᢩᡖᡑᡳ 4°) C > 6° C 4° 6 6° P C 4° C 1° C ₫°)CD°ፚ₽ጠኄ ▷%₽ጠ%%C)°\DፚኘT° ▷%D-JLYUCDJU.P.27c CL⊃F%U.

 $\Delta c^* \sigma 4 \Pi C D \sigma^5 \Gamma$ $\Lambda^8 U^c T D \Pi 4 \sigma$, $\Lambda 4 \sigma^c / b^6 b \dot{c}$ 4CDYD&'NYC' 4N'YCDY' PLT D'6'85655'L°LC $V \circ \mathcal{P} \cup V \circ \mathcal{P}$ **ᡏ**᠈᠐ᢗ᠌᠌ᠺᠣᡩᡖᡩᡓ᠒ᡃ. "d~⁵571 20° UI-+DJN βαΓ D'6D'7L15'L°iC 4Λλ5 $D^{c} \wedge D^{b} - \Delta \Delta^{c} L \wedge D U + L^{b} \dot{U}^{c}$. $A^{b} U + C^{c} + C^{b} \Delta \dot{C}^{c}$ $DAL^{5}D\Gamma^{6}$ ᠗ᢀ᠘᠘᠘᠘ D9601°a-PabdLbiC $4 \Lambda L + D^{c} L \cap b$ CL_{p} Pal D'L'S't Da' & DUS'Da'L'SiC Δ° CP'D'6'L%i Lے Γ° ا. D'6D Γ° ا $^{\circ}$ $^{\circ}$ عداه 4 $4\dot{C}U^{2}$ $\rightarrow c^{2}$, Δc^{2} $a \cap C^{2}$ $a \cap C^{2}$ $a \cap C^{2}$ $a \cap C^{2}$ عې د ۸،۵ څه ۲۰ کا کے کے کو ۲ ላ_σነናለጐታጋጐ. ላ_σነናበጐዾጏጐ⁶ > ند ۱۵۰ ما د^{نا ۱}۵۰ ۳

 Δc ∆د٩من۰ 1⁶5⁶J16⁶C0 ᠳ᠗%᠘ᢗᢆᡄ᠂᠋᠋ᠫᡳ᠘ᢆᢣᠤ᠍ 6665-667 D1657-56 D1657-50 D5657-50 D56 ∇ P4, Γ Fb Π Uc P_e P $_e$ P ۷۰۵۲۵۶٫۵۳۲۹۹۵۲۵۵ ⊽ اہ د ر و ہ $D\Lambda\sigma P^{\varsigma}\sigma^{\flat}$ ۵۰ (در ۱۲ ا ۶۳ و $\Delta \exists c \forall \sigma^b$ " $\Delta^c = \alpha^s \exists L \pi D \Rightarrow bL$ " ۵^۰۲۲۲، ⁶ძċ%სთ ۹۰ د ۱۲ ل و ۱۵ د " Λ^{ϵ} "۷-۲۵ کا ٥٩^٥ کا ۲۵ ᠂᠘᠆ᠳ᠐᠙᠘ᡶ᠙᠘᠆ ر ک >>P۲°۲4σ5→4°L%iC
>>P۲σ4°δης'
>
>
>
>
<</p>

<</p>
<</p>
<</p>

<

 $C_{-}^{\dagger}C$

Good Touch / Bad Touch

Five Body Safety Rules

L~L% 1OFUP~!

OFUP-66960

L~L~L~L~6640

OFUP-6716



Rule 1

It is my body!

I have the right to know ALL the safety rules

ر بر براه او ب



Rule 2

The Eee Feeling

If I feel like something's wrong, then I'm Right. Sometimes I need to ASK QUESTIONS.

L⊂し[%] 3 "∢♪♭"-こっ[®]しっ! '१८[®]とっ!



Rule 3

I have the right to SAY NO and GET AWAY

L─し[%] 4 ▷¹ᲮʔᲘ¹Ხʔ˚ፌጋ՞Ს, ▷¹Ხ፫¹¹₽C¹ኌ[%]Ს - ▷¹ለኢታ ▷%ዮ፫፫፟፟፟፟፟ር



Rule 4

I can tell and TELL until SOMEONE BELIEVES me.

L←レ[%] 5 < ᲫᲮ[‹]Կ▷[®]Րʻጋ[®]Ს!



Rule 5
It's NEVER MY FAULT

ᠰᡄᢆ᠋ᡊᢀ᠋ᡏᡕ᠘ᢐᠲᡗᡕ᠘᠋ᢕ᠙ᠺᡩᡘᠮᡩ

\$\ Δ4\da ΛαλίοΠΓα(C\range\ran

Significant Contracts

irst Air has signed several significant contracts during the first half of this year. In February, a 12-month extension of our cargo and passenger services agreement was negotiated with the Northwest Company, which is one of the largest cargo shippers in the North. This extension is a direct recognition of the significant value proposition First Air delivers to Northern Stores and Northmart on an ongoing basis.

First Air and our partners, Qikiqtani First Aviation and Sakku First Aviation, have successfully secured 95% of the market for the Government of Nunavut's freight requirements over the next 12 months. This is our second win from the Government of Nunavut. Earlier this year First Air and our partners were awarded the majority of the Government of Nunavut's medical contract.

First Air also secured the Stanton Territorial Health Authority Agreement, which includes all staff duty travel, contractors, and patients



 $^{\circ}$ $^{\circ}$

for Northwest Territories medical travel. Our proposed rates were selected for 22 out of 24 potential routes, representing a significant volume of passenger travel.

Through these contracts, our customers are demonstrating their continued confidence in our service and operational capabilities. We provide our customers with an efficient and cost effective service across a route network that links more northern communities than any other carrier.

To support our cargo delivery commitments, we have extended the lease agreement for the B767 Super Freighter, providing an additional three years with this aircraft. The B767 has proven to be a valuable

ST AIR X 2

 $4 \text{PC} = 6 \text{PC} + 6 \text{PC} = 6 \text{PC} + 6 \text{PC} = 6 \text{PC} + 6 \text{PC} = 6 \text{$

 $\rho_{\alpha} = \sigma_{\gamma} \cdot \rho_{\alpha} \rho_{\alpha} - \sigma_{\gamma} \cdot \rho_{\alpha} - \sigma_{\gamma}$

-14°</ 4° LOCIOCAL ASSUDE PARTIES ASSU ۵^cC)-۵٬۶۰۰ م $4 \mu^{0} \Gamma^{1} \Gamma^{1} \Gamma^{1} \Gamma^{0} \Gamma^$ Δ \sim ρ Γ Γ Γ ᠙᠉ᡥᡳᢗᡩ᠉ᡝᡳᠲ᠊᠐ᢣ᠙ᡕᢗ᠔᠐᠇ᠮᢡ᠇ᠯᡕ $VC_{\ell}P_{\ell}U L J -$ ۸۳۵ مربرا مربواه کی المربر المربور ا Ċʿ᠘ᡌᢐᡶ ᡃᠲᡒᡶᡕᢗᢋᡝᡖᠨ᠒ᢣᡗ᠒᠙ᡩᠳ᠔ᠳᡧᡗᠣᢥ. ᢗᢆᡱᡆ᠂ᡖᡒᡶᡳᢗᢋᡝᢠ ᢃᠿᠬᡠᡄᡅ᠑᠘ᢖᢛᢐᠾ᠘᠙᠙ᡪᢧᠳᡠᡳ᠘ᡕ᠘᠙ᢆᢐᠳᡎ اد-1∩ل--2009 ᠙ᡒᡎ᠙᠘ᡕ᠐ᠴᢆ 4ρΓσωριτοριτισε. 3 Δσι Λροσιριστίω ۵۵۵۲٬۹۹۲ 98,000-₆-۵۹۱ و د و ه

 $P'' \cdot V = P' \cdot P' \cdot V = P' \cdot V =$



دهٔ او درموه اله وردزه الا که دره ای کاراده می 301ርንዓይን 3016ብ ነት የተመሰራ ነው። _وم، رمز – -ᠮᢣᡒᠾᢑᠲ_᠈᠘᠘ᢤ᠐ᢗᢧᠲ᠈ᠹ᠆ᢧᡪᡒ ۲,۵ د م ْم ∆ Δ PLJLdo^c $\Delta P \Lambda^{c} L \subset D^{s} \Lambda^{-}$ $\sqrt{4}$ $\Gamma_2 V_C D L_P$ $DL_{^{5}}b^{c}C\wedge D^{b}$. $\Lambda_c + \Lambda_c + \Lambda_c$ δ ిరాం, ప్ J^{c} Δ ్రప్ σ^{c} Δ ్గ్గం PcC₂9c 196,0LDc ᠗᠒᠙᠘ᠸ᠘ᠵ᠘ᢕ $34-\sigma^{6}$ 6% 100-6 100-6 100-6 100-6 100-6 $CDY^{5}\Gamma \Delta bD^{5}\sigma\Gamma/9\%^{2}cJY\Gamma 45-\Gamma\alpha^{5}Y\sigma a.$ ^Ċ٬۲۲ ۵۶٫۳ م۰٫۳ ج۰۲ م۰٫۲۲ ۵۷ م۰٫۲۲ م ¿P¿U STU LṢ¿ſ' º¿ Δ^{ς} ه څ σ^{c} Lick ᠐᠋᠆᠙ᡶᠬᢗᢧ᠋ᡗᠬᡃᡖᡄᡃ᠙᠘᠘ᢆ ᠈᠙ᡒᡗᡕᢗᢋ᠈ᠲᡕ ۵۵ ۵۱ ۱۵۲٬۵۹۲ ۱۵۲٬۵۹۲ ۱۵۳۵ ۵۲۰ 49,646 Le.C (40) 1,00 P 4 Le.P. L4. ᠼᢧᡳ᠙ᢗᠲᢧᠳᡏ᠈᠋᠘ᢗ᠂᠒ᠮ᠘ᠾ᠘ᡀ᠙ᡀ᠙᠘ᠾ᠘ᡯ᠘᠘᠘ᢆ ឨ៓[៓]៓^៶ ᠘ᡏ᠅᠙ᢞᠾᢗ᠐ᡣᠳ᠈᠂ᠳᢧ᠋᠄ᠵᠲ᠂ᠮ᠅᠕ᢗ᠄ᡌᡢ᠘᠋᠋ᡣ᠖ᡃᠳᡏ[᠆]ᠴ ៊ួ Δ‹∖থႱኑ⊳ጘጐ, ₽୮Ⴑኑ'ዮ'ጐጐ, 🔳



addition to our fleet since its introduction in 2009. First Air's ability to move 98,000 pounds of freight more cost efficiently than any other provider, positions us as the leading cargo carrier in the North. This trunk line freighter, when coupled with our extensive turbo prop network, offers unrivalled service. The extension of this lease cements our position as the dominant cargo shipper in the North.

New Service to Nuuk, Greenland

Our codeshare agreement with Air Greenland was launched on June 15 and has received a tremendous amount

of public interest and passenger bookings. The twice-weekly service, on Mondays and

Fridays, between Nuuk and Iqaluit is being operated with Air Greenland's Dash 8, seating up to 34 passengers with flying time of 1 hour and 45 minutes. The timing connects with First Air's daily Jet flights from Igaluit to Ottawa, so customers can conveniently make one through fare booking for travel between Ottawa and Greenland. The codeshare agreement enables First Air to handle ticket sales and provide baggage handling.



Dancing in Greeland.



ርዓຼσ∪‹ԿԳ،۹‹ δԳ،Քδ৮Ί‹৮Գ.» ԿϚ.⊀∢℉L ∢δ4∇‹ጋር뜻،

᠕᠊᠘᠘᠙᠙᠙᠘᠕᠘᠆᠘ 62(-LT 6024) - 14-0 DO 6612 - 14-0 D Λ_{α} \Lambda \Lambda \Lambda \Lambda^{\circ} \- \Lambda \L U_{P} C_{P} C_{P} C_{P} D_{P} C_{P} 1 6 1 6 1 6 1 7 1 6 1 7 1 6 1 6 1 7 1 6 1 7 1 6 1 7 1 6 1 7 1 7 1 7 1 7 1 8 1 7 1 7 1 8 1 7 1 9 $\mathsf{b}\mathsf{n}^\mathsf{b}\mathsf{b}\mathsf{l}\mathsf{e}^\mathsf{f}\mathsf{d}\mathsf{b}\mathsf{f}\mathsf{n}\mathsf{f}\mathsf{e}\mathsf{n}\mathsf{e}\mathsf{b}\mathsf{d}\mathsf{f}\mathsf{f}\mathsf{e}$ عد ۱۵۰۲۵ خر بزار ۱۹۵۹ ۱۹۲۹ ۱۹۲۹ ۱۹۲۹ ۱۹۲۹ ۱۹۲۹ م ۩٠٦٩، المربع ١٥٠١ع المربع المر ዓ.አሁን ው ያራ. ተፈላር . ብ « ሬሀ ም ው . የተገር ህ ም ነርብ ሀ ነርህ ም . ርባት ው . ርባት JULCYU1 5'600-7. TL-FCLA# LC24ALC VLFCYUP PU&&P-24A1C $\Delta \subset D + i D + i C + i$ الماليك المرابطة المر Δ° a. Δ° .

 $\Delta \Delta^{1}\Gamma$ $\Delta \Delta \Delta \dot{\sigma}^{c}$ $\Delta \dot{\sigma}^{c}$ Δ

 $^{\circ}$ $^{\circ}$

Presenting for International Polar Year

he Inuit Relations Secretariat and their partners, the National Research Council, invited 14 Aboriginal organizations, artists and businesses to display and sell their products during the recent IPY conference at Palais des Congrès, Montreal, from April 23 to 26, 2012. Nunavik Creations was honoured and took this opportunity to present our garments and accessories. We were honoured to promote our company to the 2,600 attendees who came from all around the world. We also displayed for sale the Ungava cosmetics, Nunavik BioSciences spices and Avataq's Nunavik herbal teas. Many people were interested in products designed and created by Inuit.





r'⊆`{ላር-ĹΓ ላዑላ∆`ጋር⇒ ላ'፟ችጏ'ቴነገርዑኇ፟ኒውና ቴበጐጐኒኇ'ፋላ'ቴነገጋቦና, ላጐችሮ-ላልኇ'ኇ፟ ርďና∖ንቦና'ኇቴፎ ኦላንና ኇኦል ላናኣነቴ'ቴ'ናረተቦ′ጋ. At the IPY convention, modelling outfits on the runway and a display of products for sale.



Nunavik Creations also presented a fashion show as part of the IPY Conference opening activities. Minnie Grey and Lydia Etok acted as emcees for our fashion show and gave a wonderful narrative of the region of Nunavik, the people and the evolution of Nunavik Creations as a clothing and accessories company. It was a resounding success and many people came to see our booth after the fashion show.

MAKIVIK magazine

 Λ^2 \dot{b} \dot{b} \dot{c} \dot

۵۲۲۵۲ ۴۵۲-۱۵ ۱۳۵۰ ۱۳۵۰ ۵۳۵۹۲۵۰ مهم۱۵۹۳ مه

 $\Delta \alpha^{L}\Gamma$ $\Lambda = 4 \Lambda \dot{\sigma}^{C}$ $\sigma D \Lambda^{C} \Lambda d \Lambda^{C} d \Lambda^{C} d \dot{\Gamma}^{C} \Delta^{C} d \dot{\Gamma}^{C} \Delta^{C} \dot{\Gamma}^{C} \dot{\Gamma}^{C}$

בלי הD84,λ עפיגעניףנ, שפיאענ

 $\dot{\Delta}$ % $\dot{\Delta}$



Accessories for Maïna

Nunavik Creations participated in the production of some accessories for the movie production of, *Maïna*, based on the novel by Dominique Demers. We spent a week at the workshop of Veronique Marchessault, the costume designer for this movie. It was a new experience for the seamstresses of Nunavik Creations to work as part of a team with those who specialize in making costumes. Nunavik Creations will be listed as part of the costume production team in the credits of the film.



Boutique opened on weekends and evenings

The Nunavik Creations Boutique in Kuujjuaq has reopened on

weekends and evenings. The manager, Sylvia Jonas Bibeau, has a new assistant, Arnaujak Clunas. Between them, it allows us to keep our boutique open during these additional hours to better serve our customers. Arnaujak is trilingual and loves sewing and interacting with people.

New products and employees in Inukjuak

Eva Kasudluak has joined our Nunavik Creations team in



Δኈዮናና በና ረ ቫ ፟. Arnaujak and Sylvia run the boutique.

Inukjuak. She has the skills and experience to work with leather and fur sewing machines, and began working for us during our training in the production fine leather goods last April in Inukjuak. Eva looks forward to learning more skills, along with Mary Weetaluktuk Epoo at our next training session later this summer. These ladies, who mastered the production of a new travel bag during the previous training, will next learn about making a new model of sealskin and leather purse.

As it is within our mandate to create jobs and ensure a new generation of seamstresses, Nunavik Creations is also happy to provide eight weeks of summer employment for a student who is interested in learning professional seamstress techniques.









ኒካ ተር የነጋት • Γር ላት ር ፈል ላና • ሮናት ለላ ጋላና ሮት • ቪ ፈ- ሳት በ ት ልሀት Sam Silverstone • Mylène Larivière • François Dorval • Marie-Andrée Godin

 Λ P $^{\prime}$ C $^{\prime$ ᡣ᠘ᡧᡬᢗᡲ᠊ᡖᢐᡗᠬ عه۱۲٫ ۱۳۵۲ منازعه ۱۶۸۸ عند ۱۲۸۸ منازلانه ۲۵ عاد 49,800c 4CDL20 ᲘᲥᲥˤĊᲖᲥᲫᲖᲖᲘചᲐ, CLᲖᲫ ے ہے۔ 'د %ل(V,٩२,५४%, °C° - ۲۰ م د ه $\mathsf{DLL}_{\mathcal{P}}\mathsf{CC}\mathsf{CP4}_{\mathcal{P}}\mathsf{PLD}_{\mathcal{P}}.$ ᠔᠙᠙᠘᠐᠔᠔᠙᠙᠘ 42⁻404100F4° Λ٩۶σ STY V 1LL dV b 4° Γ 6 Ω $\dot{\Gamma}$ 1 Ω ° Γ ° σ . $C^{5}S^{8}UC$ UI -4CDLLU-947UP $\nabla \subset D : P(D) = D \cup C$ 4^{L} $4V^{b}$ C^{c} 5% U^{b} 6% U^{b} 7% U^{b} 7 Λ %-c 1 1 C 2 C 2 C 2 C 3 C 3 C 3 C 3 C 4 C 3 C 4 C 3 C 4 C $^{$ ${}_{\circ}$ P ${}^{\circ}$ ${}_{\circ}$ L ${}_{\circ}$ CDJ ${}^{\circ}$ CDJ ${}^{\circ}$ C ${}^{\circ}$ $VDJP_{i}UJ_{c}$ $\Pi J 4^{8} J J A \sigma D^{4}$ ᠑᠋ᡣ᠒᠐ᠳ᠙᠘ᠮᡒᢀ᠘ᠸᢆ

U14,U54 $\Delta - C_{\kappa} + D_{\sigma} + b' + L_{\kappa} - \omega$ $dV^{\dagger}\Gamma$ $\Delta D = LD = LD = \Lambda d + \Delta D = \Lambda D = \Lambda$ $P_{0} = P_{0} + P_{0$ UJ4¿Ç"JLF4°. ᠧ᠘᠘᠙᠘ᢆᢐ᠙ᢗ ٩٧٠ ᡏ᠑ᡄᡃᠬᢗ᠌᠌᠐ᢗᢀᠳᡃᡖᡃᡳ᠘ᡶᢦ $V_{A}P_{A}A_{b}C_{c}$ $AD \subset C-$ ۵۰۲ عدد، ۲۸ عدد، ۱۸۹ عدد کولک کوپ کوپوری $Pa\Gamma^{b}$ $\Pi J4^{c}\Pi^{c}\sigma^{d}L^{b}\dot{U}^{c}\Gamma^{b}$, $\Delta a^{c}\Pi^{c}$ $\Pi J4^{c}\Pi^{c}\sigma^{c}\Gamma$ $CL^{b}a$ $\Lambda D^{c}D^{b}D^{c}aJ$. $\mathsf{CL}_{\mathcal{F}}$ $\mathsf{\Pi}_{\mathsf{F}}$ $\mathsf{VPL}_{\mathsf{F}}$ $\mathsf{VPL}_{\mathsf{F}}$ $\mathsf{VPL}_{\mathsf{F}}$ $\mathsf{VPL}_{\mathsf{F}}$ $\mathsf{VPL}_{\mathsf{F}}$ ۵۱۷۱۲مئے, ۱۵۰۵مائد, ۵۱۵مر۱۹۵۸مئور) بادزے بردزے ۱۵۵مئی بردزے کو ۱۹۵۰مئوری کو دورائے کا دورائے کا دورائے کا دورائے کی دورائے کی

 $\Delta e^{\Lambda} \Gamma V^{c}$ $\Gamma^{b} \Gamma^{b} \Gamma^{c}$ $\Delta e^{L} \Gamma^{b} \Gamma^{c}$ $\Delta e^{L} \Gamma \Gamma^{c}$ $\Delta e^{L} \Gamma^{c}$ Δe^{L}

᠕ᢕᢗ᠘᠙᠙ᢣᡐ᠘᠒᠙ᡧᢣ᠘᠒᠙᠙ᢣᠳ᠘᠘᠙ᢣᡑ᠘᠒᠙᠘᠙ᠳᠿᡄ᠗ᡧ᠘ᢕ

Inuit Customary Adoption Formally Recognized

nuit customary adoption should soon have its effects legally recognized by the Government of Quebec. That is following the recent introduction of Bill 81, which contains recognition of the customary adoption practices of the Quebec First Nations and Nunavik Inuit. By custom, biological parents entrust their child to the adoptive parents of

their choice, who will then take care of the child as their own.

Inuit customary adoption in Nunavik, an ancestral yet very alive practice whereby one out of every five newborns is adopted, had not over the years seen its effects included at the Quebec laws, exception being made to the laws implementing the *James Bay and Northern Quebec Agreement* (JBNQA). Although customary adoptions were listed as criteria for becoming enrolled as JBNQA beneficiaries, the effects on the lineage of the customary adopted child, being ruptured in favour of the adoptive parents, were not considered at the Quebec Civil code that deals with civil

status for the province residents. The Quebec system was only recognizing the "legal" or "statutory" adoption, made pursuant to the Quebec laws, and with the intervention of the courts and the Director of Youth Protection. Moreover, in Quebec, biological parents cannot choose to whom they want to give their baby for adoption, which is exactly what occurs under Inuit customs.

This fact was causing a number of difficulties for the adopted child and the adoptive parents, for example, for school, passport or medical purposes.

The Nunavik representatives raised such inequities at the time of implementation of the changes to the Quebec Civil code, whereby in 1994 the responsibilities for birth registration were transferred from parishes to the Quebec Director of Civil Status. A "Declaration of Inuit Customary



" δ^{1} " 4° Cle $ADY^{\circ}C^{\circ}$ U''b $CDC^{\circ}D^{\circ}$ as $a^{\circ}YJDDCCDY^{\circ}$ $\Lambda' \exists \forall \Pi \cup \Delta \Delta \Delta \subset \Lambda$

1-c7Ltob Cdr16boPLtc $\Delta = b + \sigma b$ $\dot{C}^b d = b b$ "۵۵۵ ۸۵۲۵٬۶۲۷ $\Delta \subset D^{c} \wedge \Pi^{b}$ $\dot{C}^{b} \partial D^{b} U$ $P\Gamma^{c} P \partial D^{c}$, NJVICCE DE DOCO PORTS DV 68LOG DOGO DOCO Λ¹/₂ ¹/₃ Λ¹/₃ ¹/₃ ¹



Adoption" form was then used to facilitate the transfer of information regarding adoptions to the Quebec civil registrar. That innovative way of proceeding paved the way for seeing recognized at law effects of the Inuit Customary Adoption.

For more details on this new development ₹ regarding traditional Inuit adoption, please see the document inserted in this magazine, "Inuit Customary Adoption and Its Inclusion in the Quebec Civil Code".

$C + D_2 U U_1$, $\Gamma_{\nu} D + Q L D_1$ $\nabla_{\nu} D \nabla_{\nu} \Phi_1$ $\nabla_{\nu} D \nabla_{\nu} \Phi_2$

 $\dot{\Gamma}^{6}$ $d\Pi_{\Gamma}^{6}$ $d\Pi_{\Gamma}^{6}$ $d\Pi_{\Gamma}^{6}$ $d\Pi_{\Gamma}^{6}$ $d\Pi_{\Gamma}^{6}$ $d\Pi_{\Gamma}^{6}$ $d\Pi_{\Gamma}^{6}$ $d\Pi_{\Gamma}^{6}$

مرنی ورنک^{رد} مرزی $\Delta_c U_s U_s e_p$ LL'SDN-0°JLY-D470-°-6, -) ۱۱٬۶۴ ۲۱/۲۶ می ۱۱۲۴ می ۱۲۲۰ می ۱۲۲۰ و م $P_{\alpha} = P_{\alpha} + P_{\alpha$ حم د ۱۹۹۶ع۹۶ احان ا ΔPL°ZN. DF4.9U%L.ºP ۳-۶٫۶۰۷ C9UC-۵۲۸، ۵۵ آے فردا ح ۸ ۱۹۹۲ 256-1204-14. E ح٥٦١٦٥ ١٩٦١٦٥ ١٩٦١٦٥ ١٥٥١ V_c4 PV_c4 PV_c4 ت ح γر ل ۵ د اړ د ۲ ک ۱۹۲۵ ت ک ۲ ک ۱۹۲۵ ت ک ۲ ک ال ᠗ᡐᡏᡪ᠘ᡀ᠐ᡶᡕᠫᢇᢆᡒ

 $\mathsf{LP}^{\mathsf{e}} \mathsf{Ad}^{\mathsf{c}}$, $\mathsf{C} \mathsf{AD}^{\mathsf{e}} \mathsf{D}^{\mathsf{b}} \mathsf{d} \mathsf{e}^{\mathsf{b}}$ $\mathsf{A}^{\mathsf{e}} \mathsf{LP}^{\mathsf{e}} \mathsf{d}^{\mathsf{e}} \mathsf{d}^{\mathsf{e}}$ ۰۲۲۹ ۱۳۶۲ عف م بهه ۲۲ مع ۱۳۵۸ می ۱۳۹۲ معد ۲۲۹ ۱۳۹۲ معد ۱۳۹۲ ۱۳۹۲ ا ᡶᡥᡥ᠊ᡅᡃᠯ᠆ᠴᡥ᠘ᡱᡃᢐᠬᠬᠺᢣᠮᠦ᠍᠂᠘ᠴᡃᡝᡈᡟᠮᢛ᠆ᠴ.ᢗᡟ᠙ᠮᠬᡤ᠙ᡖ᠐ᡩᠰ᠖᠆ U_{ρ} θ_{c} θ_{c} Λ 0'' Λ 1'' Λ 2'' Λ 3'' Λ 4'' Λ 4''' Λ 4'' Λ 4''' Λ 4'' Λ 4''' δ^{-1} ۵۵۵ عاد ۱۵۰۸ بات بات کار د ۲۵۱۱ بات بات کار کامبی ح ٔمایا∿ مىلى بەدى بەلىرە، ح⁻∆م∆ PUTe 454.PLUS 4.PJ. 54U.

 $C + D_{\ell} \cup \bigcup_{i} P_{i} \subset C + D_{\ell} \cup \bigcup_{i} P_{i} \subset C + D_{\ell} \cup \bigcup_{i} P_{i} \subset C + D_{\ell} \cup \bigcup_{i} P_{\ell} \cup \bigcup_{i} P_$ 104C°J ۲۹۳۶ ~ σ~ L Γ_C L U ∘ Δ°ωσι د ٔ ۵۲٬۲۵٬۶ د ۵ ∆دأح *๚*ӷҡฅ҉ฅบาบฅ๖ӻ[๛]ว๛_ฅ 40^{5} Λ° b°è ៤° σ c° Δ Δ Δ Δ ° σ ° ᠈ᡬ᠙ᢗ᠈᠘ᠺᡏ $\Delta = 0$ $\Delta =$ Δ° a σ° . L° O141 O160 Oሱየታል ነው አንነት ነው የተመሰው የተመሰው የተመሰው የተመሰው የ Dic DN°Lσ 514-730-5831.

Tasiutigiit, Montreal Inuit Wanted

ver 100 children and their families celebrated spring together at the annual Tasiutigiit sugaring off party in Rougemont on March 31. They shared a maple-syrup feast, hot maple toffee spread on snow,

> buggy-rides pulled by strong horses, and meeting farm animals. Evie Mark and Alacie Sivuarapik entertained by throatsinging. A special welcome was given to the youth from the Ulluriaq Adolescent Centre and some families from Nunavik were there to share the excitement.

> This event was made possible with the financial support of Makivik, which supports Tasiutigiit's efforts to maintain the connections of southern Inuit



children with their people and culture. The Tasiutigiit Association organises many activities for Inuit children and youth living in foster or adoptive

> homes in the greater Montreal area. Other events include a fishing day, teen zip lining, summer picnics, waterslides, and craft and traditional foods workshops.

> > Tasiutigiit is looking for more Inuit

families living in Montreal to share their friendship and culture. Inuit youth living in non-Inuit homes need to have other Inuit in their lives. If you live in Montreal and would like to join Tasiutigiit, contact the association's project coordinator, Caroline Drouin, by emailing Tasiutigiit@gmail.com or phone 514-730-5831.

31





ᠤᠲ᠙᠘᠘᠘᠘᠘᠙᠙

Green Corner

Reduce, Re-use and Recycle Paper

- If you enjoy reading newspapers and/or magazines, consider switching to online versions. Annual reports for most northern organizations, including the Kativik Environmental Advisory Committee (KEAC), are also available to download.
- Print double-sided documents from your computer as often as
 possible and use scrap paper to print less important documents
 or to make notepads. Encourage your organization to recycle
 office paper.
- Buy recycled paper and if your supplier don't have it in stock, suggest they make it part of their regular inventory.
- During meetings, ask that digital versions of all the necessary documentation be provided for your thumb-drive, iPad, or computer rather than printing unnecessarily.
- Say no to a receipts at the store, bank machine or gas station.
- Use direct bill payment. You'll not only reduce paper use, but you
 can save a lot on stamps a year and you'll never forget to make
 another payment.

- ላ՟፫ ለተፈናርነት እስናረ ላ՟፫ ነር ለሮችው ላ ለርፈናነነብ በነለታ እነነር ጋበነ. ለፈተኛልው ጋ ለፈተቴበበና ሀቪኑ ተፈናነታልው ነው ላጋነነፈነጋቦና ዓናር ጋቢነናር ጋበና.
- 60% \cdot \cd

- %\(\rangle \rangle \rangle \lambda \rangle \rangle

- Remove your name from junk mail lists. Did you know that 100-million trees are used to make junk mail every year? Contact the Canadian Marketing Association or Canada Post for further information on removing your name from mailing lists.
- Send an e-card instead of a paper greeting card. They're usually free and are interactive and instant.

Send an e-card instead of a paper greeting card. They're usually free and are interactive and instant.



⊌ሀዋል ™ ™ የተመቀመ ነው የተመቀመ የተመሰው ነው የተመሰው ነው የተመሰው የተመሰ

~ ۲۱ ∪ ۲۱٫ م ۲۰۰ و $\mathsf{Fe}\mathsf{FJU}_{\mathsf{P}}\mathsf{FL}_{\mathsf{P}}$ bb.4Ul.4l.۵ میار ۱۲۲۸ دیک حیک حیک ۱۲۲۸ ۱۸۲۸ کو م ᠴᡅ᠕ᡃᠮ, ᠙᠐ᡧ᠂᠘ᡭ᠙᠘ᢤ᠘ᡓᡕ᠂᠙᠘ᢤ᠒᠘᠙᠘ᡧ᠘᠘᠙᠘᠙᠘᠙᠘᠘᠙᠘ $4JC_1D7\nabla P_{13}$ P4LUCDUchelphilon $1260 \, \text{L} \,$ مې۱۲۹۶ کا۲۹۶ مې۱۲۹۶ **Վ**ՔՐ∳ՈՐ∫ՈՐԻ 42-104J- U_{ℓ}^{\prime} ۹۸۰ حا۱۵ ۲۹۵°کم ᡏᢐ᠘᠙᠘᠘᠙᠘ د44مC ეგგՐ೪ֈԳՆԵ בסריבן שוני שאן באוש ארואש, שריירואף, שסריבן שוני שאון באוש ארואש, שסריבן שוני און אי 647000د ٔ ۲ م ٔ ۱۹ ۱۹ ۱۹ ۱۹ ا ` ا ہو ر کی کی حر ᠘ᡕ᠘᠙᠒᠙᠘ ᡏᠲ,U╙ᠮ<Γ┦UஃLC¬ ᡏᡕᡶᢆᡕᠾᠳᡥᡖᡶ᠐ᢆ ᠘ᠳ᠙᠘ᠹᡏ᠘᠐ᠳᡒᠾᠲᢀ ۲۵۵ کی ۲٬۹۹۸ کی موردو میروی ۱۲،۶۸۸ در ۱۲ کی در ۱۲ کی در ۱۲ کی ᡔᢦ᠆ᢑᠲ᠂᠊ᢧᢌᡕᢧᢋ。᠘᠔ᢋᡝᢛ᠋ᢐ᠆ᠮ᠘᠒᠅᠕᠔ᢋ᠐ᢗ᠔ᡗᡪ᠘᠔᠙᠈ᠳᢛ.

♪๑๘०∩๑๘ 1-877-964-2961 รํ๑๘๘๖ ■

Kativik Environmental Advisory Committee

n proposing measures that respond to environmental and social issues in Nunavik, the KEAC ensures compliance with the intentions and commitments of the parties to the *James Bay and Northern Quebec Agreement*, in the context of regional concerns related to sustainable development, maintenance of biodiversity, climate change and quality of life in the communities.



MAKIVIK magaz





לבילטה לר מסלסנסניי מילטוניותסישריי:

60%27 ١٩٥٢ه- ١٩٥٤ ٨٠ د د ۱۹۵۸ه- ۱۹۵۸ه- ۲۵۵۹ه- ۲۵۹۹ه- ۲۵۹۹ 60% $700 \, \text{AP}^{2}$ $700 \, \text{AP}^{2}$ $700 \, \text{AP}^{2}$ $700 \, \text{AP}^{2}$ $\Delta \wedge L\Gamma^{-} \rightarrow \Phi^{-} \Phi^{+} \Phi^{+} L \wedge \Phi^{+} \Phi^{-} \Phi^{-}$ ᢃᠰ᠙᠙ᠺᡳᢕᠧᢖ ᢃᢞᢀᠻ᠋᠙ᡕᢣᢗᠸᢩᢞᠷ᠂᠙ᢣᠮᡕᢣ᠘ᢣ᠒ᡕᡳᠯᢐ᠘ᠸᡒᢉᢇᠳ᠙ $\Delta \Delta \Delta C$ ΔC

 $\Delta \dot{\omega} \dot{\Gamma}^{5} \Gamma \dot{\Gamma}^{6} \Delta \dot{\omega} \Gamma \dot{\Gamma}^{5} \dot{\Gamma}^{6} \Gamma \dot{\Gamma}^{6} \Delta \dot{\omega} \Gamma \dot{\Gamma}^{6} \Gamma \dot{\Gamma}^{6} \Gamma \dot{\Gamma}^{6} \Delta \dot{\omega} \Gamma \dot{\Gamma}^{6} \Gamma \dot{\Gamma}^{6} \dot{\Gamma}^{6$ Λ %-- θ 10; θ 1, θ 2, CF-- θ 2, CF- θ 6, CF-- θ 7, CF-- θ 7, CF-- θ 8, CF-- θ 8, CF-- θ 8, CF-- θ 9, CF ۵۲٬۶۵۱، ۱۲۷ ۱۲۷ می اور ۱۹۵۲ کا و ۱۹۲ کا و ۱۹۵۲ کا و ۱۹۲ کا و ۱۹۵۲ کا و ۱۹۲ کا و ۱۹۵۲ کا و ۱۹۵۲ کا و ۱۹۲ کا و ۱۸۲ کا

 1 D44c۵۰ٔ۲۱°-ار°۲۱ کو ۵۵ $D\sigma^{6}DD\sigma^{6}d^{c}$ $4^{\circ}CVLV^{\circ}$ ᠑ᡃᡪ᠒ᡶᠳᡏᡄ᠄ᠮᡶᡕ ᡖ᠐ᡒᡒᠾᠳ᠄ᢣᡏᡄ᠕᠄᠘ᠮᡶ᠆ᠴ ۰∩ ۍ °نـ ۵ 40° L₁ $^{\circ}$ U₆ Λδιρισοιριστην διριρυμήση είναση καιριστή καιρισ ᠘᠙᠒᠙᠘᠙᠘᠙᠘ 60%%LJO6-DL06d2 ¹b^cCΓ^cζ Π^b. ک⊂،β،۲۷۰ءر 4P° LDCU1c 0.0160% $PU_{\rho}\rho\Gamma^{2}44L$ $4C_{\rho}L_{\epsilon}U+c+U_{\rho}$ ە℃ مەشھ ئنے ∆ $5.6440 \cdot 10^{10} \cdot 10^{1$ $V_c = V_b + V_b$ $\Delta c^{b} L^{c} \wedge \Pi^{b}$ 4P4DcJCFP ۹۲^۲۶- ۹۶^۲۲۰ VQULFPC- § Lc⁵o⁶b⁶o⁶. 75,40-F.40L7 שב βרשי, שפי β פינולטו עשלין ב מראין ב שב β ב ξ

IPY Conference: From Knowledge to Action

he IPY 2012 Conference, From Knowledge to Action, held in Montreal April 23 to 27 was one of the largest and most important scientific conferences for polar science and climate change, impacts and adaptation. Keynote presentations, thought-provoking panel discussions and workshops provided the focal points for translating polar knowledge into actions that will enable people to live in, adapt to, or benefit from, our changing world.

Each day of the conference featured a program of keynote speakers, plenary

.د ۲۱۰ م کال فال Manon Simard and Gregor Gilbert.





۱۵۰۵۵۶ کا ۲۵۰۵۵۶ , کو ۱۵۶۶۶ کا ۲۵۰۵۵۶ Peter Harrison, IPY chairman.





panel discussions, parallel science sessions, as well as dedicated poster sessions. The conference-wide plenaries explored important themes related to topics of polar change, global linkages, communities and health, ecosystem services,

MAKIVIK magazine

۹۵٫ ح-۵۲۹ و $V_c47DJU_tP_te=v_c$ ᢃ᠙ᢗᡆᢐᢐᡗ᠑ᡬ᠒ᡩᢐᡖᠴᢆᡓ. ۵۲_%۲۵, ۹۲ VC_iP_iU51U -40-100010004-600%D7470° € ጋየረኑልራ_₽ርር. ᡝᠣ᠘᠆ᢐᢐᠬᠦ᠊᠋ᡅᠮᡉᠺᠸᠳᡏᠺᢑᠺᢗ د 'م ها' $\Delta \nabla \Delta C$ ¹607L۶¹6¹σ¹⁶ Λσ 4'σ'6 2 C D > ~ 4'6 c' L° i'.

 $\Delta c_{p} \sim V_{p} \sim V_$

J 74.9 Uch 74. J 41 4c

Live music.

 $\dot{\mathsf{L}}^{\mathsf{h}}^{\mathsf{h}}^{\mathsf{h}} = \mathbf{b} \, \mathsf{h}^{\mathsf{h}} \mathsf{b} \mathsf{L}^{\mathsf{h}} \mathsf{c}^{\mathsf{h}} \mathsf{c}} \mathsf{c}^{\mathsf{h}} \mathsf{c}^{\mathsf{h}} \mathsf{c}^{\mathsf{h}} \mathsf{c}^{\mathsf{h}} \mathsf{c}^{\mathsf{h}} \mathsf{c}^{\mathsf{h}} \mathsf{c}} \mathsf{c}^{\mathsf{h}} \mathsf{c}^{\mathsf{h}} \mathsf{c}^{\mathsf{h}} \mathsf{c}^{\mathsf{h}} \mathsf{c}^{\mathsf{h}} \mathsf{c}} \mathsf{c}^{\mathsf{h}} \mathsf{c}^{\mathsf{h}} \mathsf{c}^{\mathsf{h}} \mathsf{c}^{\mathsf{h}} \mathsf{c}^{\mathsf{h}} \mathsf{c}^{\mathsf{h}} \mathsf{c}} \mathsf{c}^{\mathsf{h}} \mathsf{c}^{\mathsf{h}} \mathsf{c}^{\mathsf{h}} \mathsf{c}} \mathsf{c}^{\mathsf{h}} \mathsf{c}^{\mathsf{h}} \mathsf{c}^{\mathsf{h}} \mathsf{c}^{\mathsf{h}} \mathsf{c}} \mathsf{c}^{\mathsf{h}} \mathsf{c}^{\mathsf{h}} \mathsf{c}^{\mathsf{h}} \mathsf{c}} \mathsf{c}^{\mathsf{h}} \mathsf{c}^{\mathsf{h}} \mathsf{c}^{\mathsf{h}} \mathsf{c}} \mathsf{c}^{\mathsf{h}} \mathsf{c}^{\mathsf{h}} \mathsf{c}^{\mathsf{h}} \mathsf{c}^{\mathsf{h}} \mathsf{c}} \mathsf{c}^{\mathsf{h}} \mathsf{c}^{\mathsf{h}} \mathsf{c}^{\mathsf{h}} \mathsf{c}^{\mathsf{h}} \mathsf{c}} \mathsf{c}^{\mathsf{h}} \mathsf{c}^{\mathsf{h}} \mathsf{c}} \mathsf{c}^{\mathsf{h}} \mathsf{c$

ታነ° å° ጛ፞፞፞፞፞፞፞ኀ፞፞፞፞፞፞፞ጏ

ک- ۱۹۰۵م۰۲۶ بر

Prof. Sheila Jasanoff Pforzheimer.



 $V_c 4 U L_c L_c$ $P_{\ell}P_{\ell}CDUJUD-Jd_{\ell}P_{\ell}$ ۲-۴٬۶۰۱٬۶۱۲ ماره ۲-۳۰ ው L ዓፈን አፈን የነገር ድምባ ነገራ ወይን ነ عود ۱۹۶۲،۹۲ ᢀᠳᢃᠳᠾᢛᡶᢥᡀᠳ᠙᠘᠙᠘᠙᠘᠙᠘ ا ہو۔ 1°Ċ DPD9CJ-LT $\Delta = \Delta^{c}$ Δ^{c} Δ^{c} Δ^{c} Δ^{c} Δ^{c} Δ^{c} Δ^{c} $\Delta \Gamma_{\alpha} = \Gamma_{\alpha} \Gamma_{\alpha}$ 1 1 2 3 4 DPD9CD-LT مو،٩٤٥ د $^{\circ}$ bCL_{2} ΔCD_{6} , $\sigma P^{c}S^{b}\sigma DPA + DJ^{2}$ $\Delta C\sigma - L^{c}CD^{-}$ ۲۹۴^۲, ۲۹۴ م.

ᡏᡶ ᡏᢤ᠘᠙ᠳ᠙ᢕ᠘ ۲۲_٬۲۵-۲۲ $4D4D_cDC$ 41409, 56,040, 670, 90 $\Delta P = \Delta P_{\nu} + \Delta P_{\nu}$ عهد) په په د ۵۰۲۳ کراح می می کرانی و دردی در ایمی می کرانی و دردی در ایمی کرانی و در در کرد ᠘᠆ᢀ᠘᠂᠘᠐᠈ ᠈ᠳᡝ᠒ᠳ᠈ᡓᠤ ۸-د۳۶۵،۶۷۶ DPDGCD-LT. $\Delta \subset b^1 \cap \supset \Gamma^c$: " $\sigma^1 \cap \Gamma^c \cap \sigma^c \supset \Gamma \cap \sigma^b \cap \sigma^b$ " $\Delta \Delta D^{\prime}$ $\Delta C D^{\prime} U C \Delta C^{\prime} C^{\prime} C^{\prime} C^{\prime} C^{\prime} U C \Delta^{\prime} C^{\prime} C$ "ᠳ¿ᡬŲċ م-۱۳ ماط bL۲۶۵ ه د Lo% الاے "L-۲-۷-۵۶) ۲۲۰ ت "DAL"DC ጎፈታ⁵65⁶6'," ۰۵۱-۱۵ مادر۵۶۰٬ ۹۴۱-۱۶۰۰ شنا۱۹۵۵ من ۵۱ ⊳_℃°°".

 ρ° ρ°

infrastructure, resources and security. Other sessions provided the opportunity to present and discuss the application of research findings, policy implications and how to take polar knowledge to action.



4C°h°γη° ρ°b°bη ή° γ°.
Group discussion.

One of the important aspects of the current International Polar Year that sets it apart from previous Polar Years is the number of research pro-

jects that integrated scientific research with Inuit knowledge, and the number of Inuit communities that were actively involved in scientific research projects. Inuit have extensive intimate knowledge about the Arctic ecosystems in which they live and are at the forefront of debates about the impacts and responses to accelerating environmental changes in the circumpolar Arctic. Inuit communities are best able to tell the important human story of the Arctic, making valuable contributions to our understanding of issues such as circumpolar health, governance, food security, etc.

The IPY 2012 conference featured an Indigenous Knowledge Exchange with programming developed by

Inuit have extensive intimate knowledge about the Arctic ecosystems in which they live and are at the forefront of debates about the impacts and responses to accelerating environmental changes in the circumpolar Arctic.

20 20 c

1607L766797L204LC

DPD'CD' DabLC 18Cob

100 180 180 De 20 La

Legispic CDNJNDeJ1'L'

201 19CD0 800 1005

۵۲٬۲۵٬۵۲۸ ۵۲٬۷۸۰ ۵۲٬۲۸۴ ۵۳٬۷۸۸

4)NJ°27'5DNG~62'8JG°F2°

DOF 18C DPDGCD-LT

17°78°-1056021

Indigenous peoples to highlight issues of interest and importance to community members of the circumpolar Arctic. Titles for the major topics addressed included: "Food Security and Health," "Changing Environment — Climate Change," "Wildlife and Management," "Youth and Capacity Building," "Policy and Governance," and "Knowledge Transfer".

Conference participants were also treated to cultural performances, fashion shows and art exhibits throughout the week.

PJcjgJae Vaccolde, pagrl

School Attendance and School Success:

A Collective Mission for Nunavik

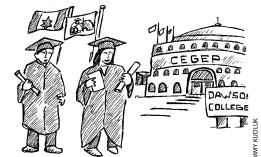
Donald M. Taylor, PhD

McGill University



۵- چار عدرہ ہوے 1,51744,724,P020P ا∿د ۱۹۶۲مه ۵ کا $\Delta c^* \sigma d^* L \Gamma d^* b^* \sigma \Gamma^b \Delta^* \Lambda J \dot{c}^L \Gamma d^* b \Delta$. $C \Lambda G \Delta \sigma d \dot{c}^* f d^* \dot{b}$? ا و حو ف د الاحه , Δ° Δ° Δ° Δ° ۸-۵۷۶ کو ۱۷ $4 \land \land \land \land \land \sqcap \Gamma^{\flat}$: ۰ إ د ۵۹۰۲۵۰ $\Delta \lambda^{\dagger} = \lambda^{\dagger} \delta^{\dagger} = \lambda^{\dagger} \delta^{\dagger} \delta^{\dagger$

ᡏᢖᡥᠾᢛᠮᡕ ᠘ᢧᠲ᠘ᡒᢔ᠐᠙᠙᠘ᡩᡓᠬᢇᢇ 4^5 Δ $-^6$ $-^4$ $-^4$ $-^6$ ᢄ᠘᠙᠙᠙᠘᠙ ۵۰ ۱۲۵ مو ᠤᡆᢐᡗᡥᠦ $\mathsf{DP}^\mathsf{S}\mathsf{b}^\mathsf{S}\mathsf{D}^\mathsf{S}\mathsf{C}^\mathsf{C}\mathsf{C}\mathsf{S}$ ، و ح ، م $\Delta c_{e} = 4U_{c} + 1U_{b} + e^{-2}$ $V_{b} + V_{c} + 1U_{c}$ $\lambda \dot{\theta}$ $\Delta c^* = 40^{\circ} \dot{\theta}$ ∆ےر⊸∂ر أ٩٩٩٢ CDLJ° م LC, שלורסישיארורים, $OP\dot{C}^{\varsigma}COLV$ $OP^{\varsigma}COLV$ $OP^{\varsigma}COLV$ ۲۶-۱۵۲۱ که ۵۵ کومه کو م



4% $^{\circ}$ $^{$ $C^{L}Lb^{c}CJ^{+}$ σ $\Delta^{+}C^{b}C^{c}C\sigma^{d}C^{b}C^{+}\sigma^{b}$, $A^{c}\Delta^{+}C^{c}L\sigma^{b}$ $\Delta^{-}C^{c}\sigma^{d}COJO^{b}LO^{b}$ Δ° Δ° $\Lambda \Gamma \Lambda^{1} \Lambda^{1}$ $\Delta = (1 + 1)^{2} \cdot (1 + 1)^{2$

 $\Delta c^{\circ} \sigma d \Gamma \Gamma d b \sigma \sigma \sigma \rho C^{\circ} O^{\circ}$ $b^{\circ} \Delta c^{\circ}$ Δ ۵ مو $^{\circ}$ ل $^{\circ}$ $^{\circ}$ $^{\circ}$ $^{\circ}$ $^{\circ}$ $^{\circ}$ $^{\circ}$ $^{\circ}$ $^{\circ}$ $^{\circ}$ ۵۴٬۶۵۲ کو ۱۲۵۵ که ۱۲۵ کی ۱۲۵۴ کی ۱۲۵۴ کی کو د ۱۶۷۶ کی کو د ۱۹۷۶ کی کو د ۱۹۷۹ کی کو د ۱۹۷۹ کی کو د ۱۹۷۹ کی کو د V(A) = V(A) + V(A) +٩٠١٥ كا ١٥٠ كا ١٥٠٤ كا ١٥٠٤ كا ١٥٠٤ من ١٥٠٤ كا ١٥٠٤ عن المالم على $\Pi\dot{\Gamma}^{C}$) Δ^{C} . $\dot{\Gamma}^{C}$ Δ^{C} $\dot{\Gamma}^{C}$ Δ^{C} Δ $V_{c} = V_{c} = V_{c} + V_{c$ Δϲ·ϭϤϲͰϭʹϭ·.

made a mistake! I woke up this morning ready to write a piece on formal education and realized oops, what have I done? I have been writing a series of articles about how to get the most out of formal education, and I forgot to start with the most important question: Why should anyone in Nunavik care

> about formal education? Why should anyone in Nunavik take school seriously?

> Better late than never, so here is why formal education should matter to everyone in Nunavik. Now, by formal education I do not mean the curriculum and courses prescribed by the South. The content can, and should, be determined by the Inuit of Nunavik, guided by Inuit educators. What I do mean by formal education, then, is an organized set of materials that teach young people how to use their intellect to solve any problem, on any topic, from com-

plex environmental issues to raising children. Formal learning of problem solving skills needs to be guided by trained, professional, and to the extent possible, Inuit educators.

There would be no need to argue for the importance of formal education in the South, or for that matter, virtually every country in the world — even counties that are extremely poor or are in the midst of a military conflict. Most countries in the world, including Canada, believe that formal education is so important that they pass laws making formal schooling to a certain age mandatory. The simple fact is that in most places in the world, the higher your education the more money you make and the more status you have. Students everywhere know the rule of thumb — a college degree is worth a million dollars more in earnings over a lifetime.

MAKIVIK magazine

ቴዕስት አን የተመሰው የተመሰው

$\Delta c^* \sigma d r L \Gamma d^5 b^5 \sigma \sigma r r^5 \sigma^5 h^5$

 $UI^{L}(CU) + UIC + UCC + UCC$

Δ-"σ4ΠCPσ"d"

Δ-"τ4%"τ4σ"

2-2")σ" ("L6"(")"σ-)"

P8"τ47" 2σ"["

Λ" 2σ"("σ)" 2)"

C τ8"τ4ν JΠΡΓ4"6"L(

ΛΓβ"(4) Γ τ σ,

Λ" 2ν Γ σ,

Λ" 2ν Γ σ,

Formal learning of problem solving skills needs to be guided by trained, professional, and to the extent possible, Inuit educators.

100 AC - 010 CTTDJ 200 - 200

But Nunavik is one of those rare places where it is still generally believed that formal education is irrelevant. And, for the moment, let's be honest, in Nunavik formal education is not that important. It is difficult to convince a teenager that completing their Secondary School education will be of great benefit. It won't get them a job, or a better job, or a measurable raise in sal-

ary. And, successfully completing Secondary V is hard work. So, from a student's point of view, it makes sense to hang around school for the social benefits, attend when it is convenient, and drop out when it becomes boring or there is something better to do.

Formal education and the future

So why is it important for young people to pursue as much formal education as possible? Let's start with the fact that while formal education may not be important for earning a living and enjoying a reasonable quality of life now, it will matter in the future. Nunavik is moving toward some form of self-government, and is right at the beginning of huge negotiations with the federal and provincial governments on issues related to economic development. With the privileges these complex negotia-

tions bring will come responsibility and accountability for the future of Nunavik. With the explosion in mining and northern development generally, the next generation of Inuit will need to be trained problem solvers.



ነንግ ታየነገ ተለም የነንግ ተለም የነንግ ተለም የነንግ ነው የነንግ ተለም የነንግ ተ

I know, I know, you have heard it all before, but this time it is different. Until now, a young person could get along nicely without working. Only in the North can a young person miss a day of work and not get fired, and have money coming in from government programs that will pay for their health care, education, social services, with royalties from the mines and support from Inuit organizations funded by government.

Okay, okay, I can hear you now. "Maybe in the future formal education will be the necessary ticket to improve my quality of life, but right now it isn't, so



∆ഺ~¯ዋላሰና ነቴ′⊐ቈና ዾቈጐዮ¯ዋ እናጋምናላበላና ፫୮ ∆ഺ~¯ዋላሊላናረተራንላናΓኑ, ላል¬ናጋኒረ-۲ኑ ∧ፈላብዖትና ፌጐጐህላም եበሆናብኑ ለጎቴናረጠርኦም ቴቭላህንና ነየቴዋጎቈጠርኦናረብኑ ∆ഺ~¯ዋላየጠናጐት ቴኒቦላናቴናቃሮና. When students go down south for college, they frequently do group activities on the weekends to take a break from important studies.

 \dot{P}_{α} \dot{P}_{β} \dot{P}_{α} \dot{P}_{α}

ا۲۵۲ . ځ۱۹۴ $25c^{5}C^{c}$. $\Delta \dot{L}^{b}$ ۲۰ اح۱۹۹۸ "Δ^L L^s9° & Prac Cicl Ulcologo, Ulrcologo ᡏ᠘ᡶᡒ᠘ᢑᠲᡄᢆᠮᡒᡗᡆ $\Delta \lambda^{\dagger} = 0$ $\Delta \lambda^{\dagger} = 0$ ሳ^ናረታ*--*." የረሳታር ረንድር ርቦርቦይን የ Δ - $^{\circ}$ - $^{\circ}$ 4'LL $^{\circ}$ 6' $^{\circ}$ - $^{\circ}$ Γ ۵۰۲ ۸-۲ ۸-۲ ۵۲٬۲۸ م-۱۵۰۱ م-۱۵۰۲ م-۱۵۰۲ ۸-۲۵ م-۱۵۰۲ م-۱۵ ᠘ᡧ᠘᠘᠘᠘᠙᠘᠘᠙᠘᠘ لحظال VLV_{2} مےمراکمہ

$\Delta c^* \sigma d \Gamma \Gamma d^* b^* \sigma = \Delta^{\Gamma} \Gamma \sigma^* = -4 \Gamma c \Gamma^* \sigma^*$

 $\Delta c^* \sigma d \Gamma \Gamma d^5 b^5 \sigma^5$ Jb-Dicb4F1UiPi>i $\Delta c^{+} \sigma d \Omega^{c} \Gamma^{-}$ $J \cap (A \cap A) = A \cap A^{S} \cap A^$ a_a^Job-d\fPJNc\caps د ه°CL ۸۴۵۸۱۱۹۸ ᡆ᠂ᢅᠸᡖᡗ᠂ᡆᠦᠳ᠖ᠳᠮ᠖ 21,43UP23dC 4d0-12°-11- NPPUC ۲۰ کا ۱ ᠘ᡒᡄᡕ᠘᠋ د ٔ ۱۵ مال ۹۹ 1 6 1 6 1 7 1 7 1 6 1 7 1 7 1 6 1 7 1 7 1 6 1 7 1 7 1 7 1 7 1 7 1 7 1 8 1 7 1 7 1 8 1 7 1 7 1 8 1 7 1 7 1 8 1 7 1 7 1 8 1 7 1 7 1 8 1 8 1 9᠘ᡒᡄ᠘ᢐᡄ᠘ᢧᢆ $\Delta c^{\circ} \sigma 4 \Pi C \rho J \Pi \rho U \Gamma_{-}$ ᡏᡲᡗᢪᠳ ٦٩̈̈̈ट $\Delta c^* \sigma d \Gamma \Gamma d c^* \sigma^*$ ΛϧሒϨႶĊჼσჼჼ Λϧδσ42σ, Δς°σ4Ω \dot{C} $^{\circ}$ $^{\circ}$ ᠘ᠸᠳ᠋ᡏ᠘᠘᠘᠘᠘ ۷د⁵ےہ -۵۲۱۲۵م د ځ۱۳۶ کو ۱۳۶۲ د م د ۱۳۶۸ کو ۱۳۶۲ کو ۱۳۲۲ کو ۱۳۲۲ کو ۱۳۶۲ کو ۱۳۶۲ کو ۱۳۶۲ کو ۱۳۶۲ کو ۱۳۶۲ کو ۱۳۲ کو ۱۳ کو ۱۳۲ کو ۱۳ کو ۱۳۲ کو ۱۳۲ کو ۱۳۲ کو ۱۳۲ کو ۱۳ کو ۱۳ کو ۱۳۲ کو ۱۳۲ کو ۱۳۲ کو ۱۳ کو ۱۳ $JU_{P_1}P_1$ CLCL. σ° Γ° Γ° Γ° Γ° Γ° $\Delta = \Delta \cap \mathcal{C}^{\circ} \cap \mathcal$

 $^{\circ}$ $^{\circ}$

until it changes I am not going to worry about formal education—it is hard and boring." But the future is *now* and even if we begin a collective commitment to formal education today, it will take years to prepare our young people to be world-class problem solvers.

Formal education and self-control

Formal education is designed to teach problem-solving skills. An important aspect of problem solving is the ability to choose and define long-term goals and then learn how to reach those long-term goals. Therefore, what formal education is teaching is how to not give in to what would be fun right now, so that you can be successful at reaching a long-term goal. It teaches us that in order to graduate in two years, we need to study tonight instead of partying. It teaches us that in order to look our best and be healthy, we better eat healthy food right now instead of junk food. It teaches us that if we want to be successful in our work and with our relationships, we need to pass on the

drugs and alcohol right now. Formal education teaches us how choose and focus on long-term goals, and not always give in to the temptation of short-term fun.

(L'a Prdo U76516)

— (T'o Dac'tdo

14'50'6'La'Do

14'40'0'5'00

Ac'o4rLrd'6'0'

14'6'0106 17'406

14'6'0106 17'40

15'0106 16'0'

16'50106 16'0'

16'50106 16'0'

16'50106 16'0'

16'60'6'

ᡟ᠌ᡷᠦ^ᡕᡪᡏᠳ

But it turns out that — and this is in poor as well as rich countries — formal education is associated with a variety of factors that really impact on the quality of life for each and every one of us.

Formal education and health

Whenever the topic of formal education comes up, we only focus on economics generally, and jobs more specifically. But it turns out that — and this is in poor as well as rich countries — formal education is associated with a variety of factors that really impact on the quality of life for each and every one of us.

Let's start with the basics. The hard facts are that people with more formal education

usually live longer, and it doesn't get more basic than that. As well, people with more formal education have better health generally: they tend to eat better and exercise more. Why? The obvious explanation is that people with more formal education can, and do, read more, so they are in touch with up to date information about how to maintain a healthy and happy lifestyle.

Formal education and politics

Formal education also has political implications. People with more education tend to vote more often,

 $\Delta \Gamma / \Delta \Delta \Gamma$ $\Delta \Gamma / \Gamma \Gamma$ $\Delta \Gamma / \Gamma$

 $\Delta \dot{\omega}^{c}$) $(1 \dot{\sigma}^{c} + 5 \dot{\sigma}^{c})$) $(1 \dot{\sigma}^{c} + 5 \dot{\sigma}^{c})$ ۵⁶ها^دره ᡏᡒᡥ᠘᠐ᠳᡪᢣ᠌ᢧᡄ᠋ᢖᢛᡆᢐᡗ᠊ᡄᡥ. Γ_σσδΓ_δβ, ٥ ک ۵ ک Δ - $^{\circ}$ - $^{\circ}$ OCD/L $^{\circ}$ C- $^{\circ}$ - $^{\circ}$ $\Delta = -4$ ᠳ᠊ᡅ᠘᠘ᠳᠳ᠘᠙ᡠ σ_{bc} د ٔ ۱۱۸ Δ^{9} - 5^{1} Δ^{1} - 5^{1} - 5^{1} Δ^{1} - 5^{1} - 5^{1} Δ^{1} - 5^{1} -᠑᠙᠘ᡶ᠘ᡀ᠘᠘᠙ Δ Δ c $\Delta c^{\circ} \sigma d C D L L L d c^{\circ} \sigma^{\circ}$ ΔϲʹϭϤϒͰϭʹϧʹϭʹϒ 4ጋ4^ናተው^ናኣውረ[®]ህՐ4[®]Ր^ና, ሀገ^ւL<mark>⇒</mark> 404L⁵6-6 3666 366۰۱ د ځد ۵ م ها۰ ۲۹۲۱۰ فـ ۵ $\Delta \rightarrow C^5b^c + Vac^5 + C$ $DUFFT= GAGGFT= \Delta \dot{a} L^{1}b^{2} a \sigma^{1}\Gamma \sigma^{1}$.

عام أح المحان ال ᠕ᠳᡏᡃᠦᡄᡅᢆᡷᡕ ۸۵,-۹۷،۲۱- $\mathsf{DC}^{\mathsf{C}}(\mathsf{C}^{\mathsf{C}})^{\mathsf{C}}$. $\mathsf{CDC}^{\mathsf{C}}$ $\mathsf{CDC}^{\mathsf{C}}$ $\mathsf{CDC}^{\mathsf{C}}$ $\mathsf{CDC}^{\mathsf{C}}$ $\mathsf{CDC}^{\mathsf{C}}$ $\bigcap_{i=1}^{n} A_i < A_i = A_i + A_i + A_i = A_i + A_i + A_i + A_i = A_i + A_i$ ᠗᠙᠘᠙᠘ $\Delta \triangle = \dot{L} \triangle = \delta U = \delta \nabla \dot{L} \partial \dot{L} \partial U + \dot{L} \partial U = \dot{L} \partial U = \dot{L} \partial U + \dot{L} \partial U = \dot{L} \partial U + \dot{L} \partial U = \dot{L} \partial U =$ $\Delta^{\mathsf{L}}\mathsf{\Gamma}\mathsf{J}^{\mathsf{c}}$ 6°LĊSZ°&D_ د ۲۹۶۵ ᠕ᢞᡃᡄᡏᠬᢗ᠍᠌ᡗᠳ᠋ᡅᠳᡏ^ᡕᢗᢐᡶ نهه کالراغد اسعار موه^۱۲۷ من $\mathsf{DP}\mathsf{TL}\mathsf{FD}^\mathsf{c}\mathsf{T}\mathsf{d}$ - $\mathsf{L}\mathsf{d}^\mathsf{b}\mathsf{l}$.

 UTLC Δ CLe%J405565% Δ C~G4CLC4C~G% 45N566CL4C Δ CCCNCDJN66CLC4%CC Λ CJ4C46G7NJC Δ CCCNCDJN66CLAC%CC Λ CDJN66CLAC%CC Λ CDJN6CLAC%CC Λ CDJN66CLAC%CC Λ CDJN6CLAC%CC Λ CDJN6CLAC%CC Λ CD

᠑᠙᠘ᠳ᠘ᡀᠳ᠙᠘᠙ ۵۲، ۵۳، م-ْر-)Δ فار ۴۰۲۶۲۶۲۶۲۲۶۲۸۸۸ $\Lambda P^{\circ} \Gamma \dot{D}^{1} L^{\circ} \dot{L} C \Rightarrow \dot{\sigma}^{c}$. ۲۰ ځ ک Δ $^{\circ}$ $^{\circ}$ ۵۲۲٬۵۸۲ د ۱۳۵۲٬۵۹۲ د ۵۲۲٬۵۹۲ Δc° σ 4 N -CDJULLCULC C91, 5 L, 9, 7 C ام≎م ᠘ᡓᢆ᠘᠙᠐ᡷ᠘ᢖ $4CDLDE_{1}U^{-}U^{c}$ ϧ·Ⴖϭ· Cdና%Ⴑኢϧ·Ⴖͽ· Ⴖዮ·Ⴖϭჼ, ረናናdΔጋΓჼ 0.0494حہ۲۹۷ ۸۵%%۲۵°۵, د ٔ ل ک ۲ 4,5151,501 462J45P 41C166143bhar. Deinaebles $\Delta^{\zeta}\Lambda\sigma \Phi^{\zeta}\Lambda^{\zeta} \Phi^{\zeta} \Phi^{\zeta} \Pi \Pi^{\zeta}$. CL'4 $\sigma^{\zeta} U \Phi^{\zeta} U \Phi^{\zeta} \Pi \Pi^{\zeta} U$ ۵٬۶۹۲ د مر۲۶ ا $\Delta c^{\circ} \sigma d \Gamma \Gamma d^{\circ} b^{\circ} \sigma^{\circ}$ $405 \text{ eV} \text{U}_c \text{U}^{c}$ م عود که ۱۲۰ و ۲۲ کی م ع ار د ჂჁĊჇႶჼႱჇჼჀႻჼႠჼ $\Lambda \sigma \zeta \Gamma_c U \sigma$ ተ\$ራና\ራ**ፆ**የበበተ**L**♭ናበኌና. Δc $\theta d^2 \rightarrow J c^{\circ} CD^{\circ} \theta$ °م ْم ∆ $\Delta \dot{a} r^{c} \Lambda \sigma$ ۵۶۶۵ ۲۲۲۹ م۰.

A がらいてイヤー こうじいい イヤラ・シー・ イア・シー・ こっぱい to aches us to go beyond a simple analysis of others as either good or bad, or as those who are either with us or

against us.

 $\Delta c^{\circ} \sigma A \Gamma L \Gamma A c^{\circ} \sigma^{\circ}$

 $\Delta c^{\circ} \sigma \Lambda \Gamma C D J \Gamma G \Gamma L \sigma^{\circ} d^{\circ}$

 $\Delta e^{c} \gamma \Omega C D J \Omega^{5} b^{5} \gamma L U^{c} C$

DPradJast Archo

2°-) Δ° à J° Λ Þ ₹' L° L C 3° ÷ °

Λρ[®]Γ)^LL[®]iCi^{*}+^C, ρ^CCi^{*}+^C

$^{\prime}$ ለΓ $^{\prime}$ $^{$

∟4 ه م ᠕ᠳᢆ᠘᠘᠙ᢗᢆᠲ᠘᠆ᠴᠦ ᠘ᡷᡗᠻ᠋ᡝ᠐ᠺᠲ᠘ᡧᠾᢆᢠᡶᢐᢐᡗ᠋ᡠ᠘ᢖ᠙ᡎ᠂᠘ᠸ᠄᠂᠙᠘ᡎᡄ᠘ᡛᢛ᠘ᢣ᠐᠒᠘ᡐ᠘ᡧ Λαζιβροσίι. Praccom CLCLDUJJJ $\mathsf{LPCLCJUCLP}^{\mathsf{c}}$ د ۲۱۱ م ۹ و ۹ V~ᠳᡳᠬ᠘ᠮᡲᢗᢕᢛᠳ $^{\prime}$ ተ> $^{\prime}$ ው ነበታ ላይ ነበተፈመው አልነት ነበር እስተ ነው እስተ م د د م $\Delta c^{\dagger} \sigma d \Gamma \Gamma d c^{\dagger} \sigma$ ₽ላያበሶናረላLሚያኒርል የነፃነብ ላጋናለምህላ−ና−ያំ+!

are more aware of complex political issues, and they tend to be more involved in the political process. One clear reality is that the more formally educated a country is, the more democratic it's political system. Surely with self-government and northern development around the corner, for Nunavik, the message is clear.

Formal education and relationships with people

Formal education is also related to our relationships with each other. People with more formal education are less prejudiced towards others, they tend not to discriminate against other groups of people, and they are generally more tolerant of others who are different. It would seem that formal education teaches us to analyze others and ourselves in a more complex way. Formal education teaches us to go beyond a simple analysis of others as either good or bad, or as those who are either with

us or against us. It teaches us to see individuals in our life, from loved ones to strangers, as a realistic mix of good and bad, similar to us in some ways but different in others, and as having a variety of feelings about us. The point is that formal education teaches us to apply our problemsolving skills not only to career goals, but also to the people in our lives.

Why is formal education important?

Formal education may not be crucial for jobs in Nunavik right at this moment: but soon formal education will be necessary and certainly the ticket for a successful working career. But even now formal education will positively impact our self-control, health, prepare us to succeed with our political and economic destiny, and improve our relationships with each other. Love and formal education are a great mix. Let's take advantage of it now!



<mark>ላ^ኈቦናናና</mark>ዜ^ኈኈቦጋና ኣጋ^ւ୮৮ኦJበ^ኈቦና

Q_4°LC Vaributiuntedicted $4 \mu L_1 U L_1 U R_3 L_6$ ۱۹۵۵ مرحداً ۱۹۵۵ مرحداً ۱۹۵۵ (۱۹۶۵ کاماد

ΛΟΥΓΌΛΟΟ ΡΌΥΠ.

۲) مر ۱۲ که در مه ۱۲ می ۱۳ کی می ۱۲ کی می ۱۲ کی در ۱۳ ک $D^{5}L^{c}C_{c}C_{c}$ Δρ4, Υ]Uδ Φ Δ, ϽΦρ 4 م ح ه Δ°ωσι ΛΓΟΊΘΕΊΚΟ ΡωροΊΓΘΕΝΟΚΟΙ ΤΙΡΟΚΟΤΟΙ, Le,U.P,UCDS,PIC,5U.7 ۵٬۲۲ ۵۲٬۵۵ م ۱۹۲۲ م ۱۹۲۲ م ۱۹۲۲ م ۱۹۲۲ م ۱۹۲۲ م 16-D11LC. L°D14Γ - Δώσολοίσο - ۵،۲۲ د ۵ DC1.PC.1TC 5¹ 5² Poltcolled $\nabla_{\sigma} \sigma_{\lambda} U C \rho_{\gamma} \rho_{\lambda} C \rho_{\gamma} \rho_{\lambda} C \rho_{\gamma} \rho_{\gamma}$ $(\nabla P4_{\ell}LU_{r} \neg U_{c})$ 1°C6dc). € 224755741 $VLQ_{i}UL_{i}UL_{i}PCD4_{i}L4_{c}$ مه ۱۵ م ۱۵ م د ۱۵ م م

لادادهاع, اودورات ال۲۵ المردد موره الادادي المردورة الم ΠΙΡΟΓΥς, 1905 Α.Β.Ο ΕΝΤΑ ΑΡΟΥΡΑΙΑ ΑΡΟΥΡ ΠΙΙΡΟΙΛ°σ (4-)45Γ (Lσ 1974) Δ° αίρς δυλσ. אפליף חוֹטחיף ישריים, בי כי בי הידף שפער באר אפלריף ישוּאוּטיני اح^ده ۱۶۰۲عر ۱۹۲۸،



Support for Homeless

hanks to a partnership agreement between Makivik, KRG and Chez Doris (daytime women's' shelter in Montreal) tangible enhancements are taking place to better the lives of Inuit women there.

Chez Doris has several activities and projects to help Inuit women to get identification cards, accompanying them to doctor and other appointments, funeral support for those who die in Montreal, long distance calls to home, and weekly movies

and country food (with help from Avatag). Last February they inaugurated a winter camp for Inuit women and caseworkers to get away from city problems.

Discussions are also taking place between Makivik, KRG, Correctional Service Canada and Quebec detention centres, to explore alternatives for Inuit men who leave detention centres and often drift to homelessness in Montreal. Collaboration between Chez Doris and Nunavik organizations is deemed absolutely crucial and Makivik's advice is sought by several organizations supporting people in need.

᠊ᠬᡃᡄ^ᢛ᠐ᢣᠻᢛᡉᡏᠳ^ᡕᡆ^ᡑᡗᠻ᠐᠒ᠳ ۵۲۰٬P٬PCD۴۹، ۵۵۳٬CDJUÇL۵٫۳۳۶۲۲۸

ጚኇ 27, 2012-Γ Δ°ተጋዓር የ፞ዹፆኑና\ታኇ° √°ሬ°Γ ፆታዓ°ኇላሰና ᠳᡅᢂᡃᠮᢣᠬᢥ᠂ᢅᡆ᠆᠐ᠳ^ᡪ᠇᠐᠌ᠻᠬᡗ᠘ᢣᢣᠮᡱᠳᢥ. ᡬᡱᡆ᠂ᢆᠹᡆ᠐ᢣ^ᡕᠲᢣ عه ۲۰۱۷ کو ۵ عود هار بود ۱۲۵ مار ۱۹۶۱ مود الم ัธงโร่อปกลองโร้อง 2011 ปรี่ปรีบอ. מוֹבוֹל הוֹנֹ הוֹנַ הוֹנָ הוֹיָל הוֹנָ הוֹייָה הוֹנָ הוֹנָ הוֹני הוֹנָ הוֹנָ הוֹנָ הוֹנָ הוֹנָ הוֹנָ הוֹנָהוֹנָ הוֹנָ הוֹ δωίσης \$100-Γενώς ιδωρίσει δοδημες και το διαστάστο δείστο δείστο δείστο δείστο δείστο δείστο δείστο δείστο δε $L \sim 10^{\circ} \ \text{A}^{\circ} \ \text{A}^{\circ$ أمه ۱۸۹ د ۱۸۹۲ کا ۱۸۹۲ کا ۱۸۹۲ کا ۱۸۹۲ کا ۱۸۹۲ کا ۱۸۹۹ کا ۱۸۹۹ 4^{5} 4 5 4 1995-F (UFPK'YY4' L'EY4ULPP4P', Y9'E') 1 ヘーLᠴ ┧ペ ᢗィჇႱჾ。 ペレႱႼႮႱႨႮႮႨ。 イႮႷႦჅႮႱႨCႦႠႷ。 1842-L Ⴜ

 $^{\circ}$ እጐሀል'ቴነረበ፥ $^{\circ}$ ላጐቦ'ቴበሶ $^{\circ}$ ሀበው፥, $^{\circ}$ LP°ል $^{\circ}$ $^{\circ}$ $^{\circ}$ $^{\circ}$ $\Delta = - \beta \Gamma$ " $\Delta = - \beta \Gamma$ $\Delta = - \beta \Gamma$ ᠕ᢞ᠆᠙᠐ᡩᠲ᠐ᡤᠳ᠘᠘ᠳ᠘ $\Lambda L L^{e} \Lambda L D^{c} L D^{b}$ ΔεζϽϚϹ $\dot{P}_{\alpha}D_{\beta}^{c}$ $\Delta_{\beta}\Delta^{c}$ $\Delta_{\alpha}\Delta^{c}$ $\Lambda \Gamma D^{5} J J$ Pe^{i} Pe^{i} P

Another Raglan Profit Sharing Payment

On June 27, 2012 Xstrata Nickel Raglan Mine presented a \$13.1 million cheque to Makivik and to the communities of Kangigsujuag and Salluit during a celebration in a Montreal restaurant. The cheque was for the Nunavik Inuit communities' share of the profits generated in 2011 by



the Raglan mine. To date, more than \$100-million in profit-sharing payments have been directed to an Inuit trust fund for economic and community development through the Raglan Agreement, signed in 1995. (A noteworthy comparison, the initial James Bay Northern

Agreement signed in 1975 provided \$90-million in compensation to Nunavik Inuit.)

Also as per the Raglan Agreement, Makivik and the local Inuit communities "support harmonious relations and foster opportunities between Xstrata Nickel and local populations in areas such as training, hiring of local businesses and environmental management."





Fishing at Pangalligiaq

May 27 was the annual all-day ice fishing event for Inuit at Xstrata Nickel-Raglan Mine. There were 25 Inuit employees who participated at a lake called *Pangalligiaq* where Inuit from Salluit and Kangiqsujuaq camp. The employees met a couple of families that were already at the camp. Every employee loved this experience. There were three prizes for catching the heaviest fish, won by Johnny

Papigatuk, Aisa Koperqualuk and Christina Aloupa. A few hundred Canada geese flew over the campsite. It was spectacular!

Notes from Kimberly Makiuk.

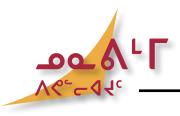
᠘ᡃᢆ*ᢐ*᠆ᢐ᠐᠈*ᢗᡫᡄᢉᡏᠮ*

27 0^{-2} 0^{-2

NYLX PL> = [TINIX 1 COBCCON - STE -C.







ᠤᢦ᠙᠘ᡆᢛᡒ᠗᠒ᡄᢆᢝᠲᡎᡄ᠕ᡩᡄᢆᢆᡯ᠘ᢆ **Γ**ሞ ኑገ ሀ ይኒር ዕራር ዕራር ዕራር ነ

4-0-0445, Layluagoltes Jakoabes Jakobago (Poccil

 Λ^{c} - የአን ነት ነት የተለወገሀር የተንፃርት ው የ የተለም ነት የተለም Δ LiVD, eifU_bL, er PTσ\JUe, PσCD, DbD,CD,fc, ᡠᠳᢖᢀᢀᡁ᠆ᢀᡁᡳ᠘ᢗᡎᠣ᠐ᠫᠬ᠆ᡏᠮ᠆᠐᠘ᡩ᠘᠙᠘ ᢣᡄᠳ᠗᠋᠒ᡕ᠘ᢣ᠙ᡕ᠘ᠾ᠈᠕᠊᠋ᢛᡳ᠋᠒᠉ᠾ᠄ᢃᢞ᠙᠒᠊ᡊ᠊᠖ᡃᠨᡒᡗ᠇ᠮᢗ ᡏ᠑ᡄᠻ᠒ᢗ᠌᠌ᢧᢛᢗ᠘ᢛᠾᡱ $U_c/P_c/U_c$ $V = \sqrt{1}U^2 + \sqrt{2}\sqrt{1}U^2$ ᠕ᢞ᠆᠙ᠳ᠐᠂᠘᠘᠙ᠳᢁ᠁ baCD< C⁵5%lo _aaF^c ۸٬۲۲۵ مرکزیال میکو ۵۰۲۵ مرکزی ۲۵۱۹ میرون ۸٬۲۲۵ مرکزی 44C. 4°64596 ~ > 0 25 ۸۴٬۵۹۲ م. ٦d $\Delta \sigma V_L$ $\rho \sigma V_b V_l$ $\Delta \sigma \rho \rho V_b V_b$ ∧료ረՐ₽ኒ೪ጲብ∪L∢፫₽ՐC.

 $D L P_c C_{\Phi_{ep}}$ ۵۵-۱۵۰ لمذمه $\Delta L_t \Lambda d_c$ ᠳ᠘ᠳᡆᠸᠻᡏᡏᠲ ᠐ᠯᠬᢗ᠌᠌ᠺ᠘᠙᠘ᠳᢖ᠘᠙ᢣᢗᡲ᠗ᢣᠳ᠈ᢩᢆ Λ %-- Λ 0'- Λ 10' Λ 6' Λ 10' Λ 2'- Λ 2'- Λ 3'- Λ 4'- Λ 10'- Λ 3'- Λ 4'- Λ 10'- Λ 4'- Λ 5'- Λ 5'- Λ 5'- Λ 5'- Λ 6'- Λ $\Delta L^{\varsigma} \Lambda D^{\varsigma}$ $\sigma^{\varsigma} + \Pi^{\circ} \Gamma^{\varsigma}$ $b L_{\alpha} \wedge^{\varsigma} C D \sigma^{\varsigma} + D^{\varsigma} b^{\varsigma} C \Lambda^{\varsigma} b \dot{\epsilon}^{\varsigma} \sigma^{\circ} b \sigma^{\delta}$. ᠘ᠳ᠙᠘ᡶ᠘᠘᠙᠘᠘᠙᠘᠘᠘᠘᠘᠘᠘᠘᠘᠘᠘᠘᠘᠘᠘᠘᠘᠘᠘᠘᠘ ۷, ۱۵-۱۵- ۱۵ د .۵۲۵۱۵۵۵۵۵۵۵۵۵۵۵۵۵۵۵۵

Nunavik Geomatics Proposal Accepted

ate last June, a proposal submitted to LOOKNorth (a national Centre of Excellence for Commercialization and Research) from

Nunavik Geomatics



ΛϹʹϧͺʹͺϽσͺϧ

Nunavik Geomatics to investigate the current state of remote sensing for marine mammal monitoring in Canada's Arctic region was accepted. LOOKNorth's technology validation program promotes the implementation of remote sensing technologies for sustainable

development of Canada's northern natural resources and oil sands. Makivik VP for Economic Development, Michael Gordon, is the president of Nunavik Geomatics —a Makivik subsidiary company.

Marine transport is expected to increase due to increased resource development, which means that marine mammal monitoring requirements will also increase. Traditional ecological knowledge and scientific

knowledge will be combined to assess and evaluate the various remote-sensing technologies that already exist or will be developed.

1,000-6 PC CCP LVDGC16 ٧٢٥٠٥ ١٩٠٥

 $\Delta = \Lambda^{L} \Gamma D^{C} \Delta = \sigma \Lambda^{L} \sigma^{C}$ LCTec VLTAc VUCDJU.PCD42c °ما°لە م VarcCL10 7669 @ 45 D 46 L. O. د ۱ د ۱۵٬۵۱ م Vτθ'σρορίτος
Λείτη ήση 17, 2012-Γ. Γ'ἐν Δείτη ὑκορίν Δ /-%V-%V-%V-0 **3 10 (4°0)** ے ۲ ۲^۱۲۹۸۰ کا خ DPD-6 16-0-6 V.P14179%V $^{\prime}$ <mark>/ የርርርት የላ፣</mark> $^{\prime}$ $^{\prime}$ <mark>δδριουρίου Ακταιζαιρίσαυρις δικουρίσους σ</mark>συγιδους σοδο-۵۲°۲۰ 6 C1917 615 C15 $\Delta = \dot{\Gamma} \cap \Delta = 0$ DCL7DCD44c <mark>ᠰ᠌᠈᠄ᡶ᠘ᠮᠲ᠙᠘᠘ᢆ᠆᠐ᢆᠰ᠘᠘᠃ᠳ᠙᠘᠘᠙᠙᠘᠙</mark> isoblysec.



1,000-Kilometre **Bicycle Challenge**

Students from four schools in Nunavik earned a trip down to help welcome the cyclists of the 1,000-kilometre Défi Pierre Lavoie bicycle rally on June 17, 2012. Two of the team members to cross the finish line were Jonathan Simard. age 15, and Lucassie Tukkiapik, age 16 (third and fourth from left in the photo). One of the main goals for the Pierre Lavoie competition is to encourage a "healthier body and living for today's youth." It is hoped

other young Nunavimmiut will be inspired by Nunavik's participation in this distinguished event. Congratulations also go to the parents and other team members who supported our Nunavik participants during this challenge.



$\Delta^{i}b_{\rightarrow}$ $\sigma 4\sigma^{i}b^{i}>^{i}$ LPen

ᢏ᠙ᢞᠺᠰ᠘ᠮᡶᡠᠰ᠘ᡩ᠘ᡱᠳᡏᡒᡓ᠐᠒ᡤ᠒ᢗ᠐᠘ᠫᠰ᠙ᡐᠾᡃᡄᠳᡏᡗ᠒ᠮ᠘ᠮᢛᢥ᠄᠒᠘᠙ᢞᠺ᠐ᠺ Δ^5 65 - 46⁵6 Λ^6 6 Λ^6 7 Λ^6 8 Λ^6 9 Λ^6 2) $\lambda \dot{a}^{\dagger} \dot{a}^{\dagger} \Delta \dot{b} \dot{a}^{\dagger} \sigma \dot{a}^{\dagger} \dot{a} \lambda \dot{b} \dot{c}^{\dagger} \dot{n} \dot{a} \dot{n} \dot{c}^{\dagger} \dot{n} \dot{a} \dot{c}^{\dagger} \dot{n} \dot{a} \dot{c}^{\dagger} \dot{c}^{\dagger} \dot{a} \dot{c}^{\dagger} \dot{c}$ AJ^* $\Delta D \cap b^*$ $D \cap b^*$

12. ~ D U e f 40°Cb¿'ጋ%bbc ሒ % ች ۱۳ ماراک مر ۱۹۲۸ م حالی مارز ᠽ᠘ᡃᡪ᠂᠆᠘᠐ᡕᠫᡕ᠂ᢐ᠇᠘ᠳ᠒᠐ᡶᡨ᠈᠐᠘ᡩᡕ ᠙᠘᠘ᠳᡓ᠑᠙ᠬ ΔP \rightarrow $A5UL 4L_{e}e_{e}$ ᡶᡒᠳᢐᡗ᠒ᡗ^ᡕ. LP°۸۶ Δ 'b \supset " σ 4 'b \cap 'b 'b 'C 'C L L \prec '' Δ اهے $^{\circ}$ σ $^{\circ}$ σ $^{\circ}$ $^{\circ}$ CL¹۲۰ مرامه ۱۲ مرامه ک

 L^{9} $^{\circ}$ $-4\sigma^{\flat}$ $4\Gamma^{\flat}\dot{b}^{\flat}b\Pi\dot{\Gamma}J\Pi^{\flat}b^{\flat}C\dot{c}^{\flat}\sigma\Gamma^{\flat}$ $4^{\flat}\Gamma^{\flat}b\Pi\dot{\Gamma}^{\prime}LJ\Pi^{\flat}C$ $\Delta -^{\flat}U^{\prime}\Lambda^{\flat}$ $LP^{\varrho}\Lambda D^{\varrho}$ $P^{\flat}J^{\flat}C\sigma A^{-}$ ۲۰۵۵ - ۲۰۵۱ عام ۱۳۵۱ عام ۱۳۵۱ کا ۱۳۵۰ کا ۱۳۵۱ کا ۱۳۵ کا ۱۳ کا ۱۳۵ کا ۱۳ کا ۱۳۵ کا ۱۳ کا ۱۳۵ کا ۱۳۵ کا ۱۳ کا Λ'' Λ''

 Δc^{6} ' Γd^{6} σ^{6} d^{6} Γ^{6} L^{8} Λ^{6} Δ^{6} Δ^{5} σ^{7} $\sigma^$ $2 \times 10^{10} \, \mathrm{Mpc}$ σ D'PN'b' $\langle c'\sigma\Gamma_{\sigma} c', P^{b}J' \gamma \rangle = \langle d^{b}J \rangle \wedge \nabla^{b}U' \sigma \wedge$ P_{ρ} P_{ρ $\sigma^{5}b^{3}\Delta^{5}a^{4}a^{5}b^{5}\sigma^{5}l^{5}\sigma^{5}$.

LP° & D < ᡋ᠙ᡷᢛ᠙ᠾ᠙ᡀ ᠳ᠌᠌᠐ᡩᢓᡈᠳᠻᠮᡈ Λ ታ ቴ ና ረ ነ በ ቦ ኖ $^{\varsigma}$ ር $^{\varsigma}$ ቦ $^{\varsigma}$ \dot{P} לערש אברש. \dot{P} בשלבשלה של \dot{P} ל ה \dot{P} ל של שלבירלי ששחרש $\Lambda'' \cap \Lambda'' \cap \Lambda''$ λ^{5} λ^{5} ᠕᠘ᢣᡝᠣᠲ᠋ᡝᢗ᠙᠋᠕ᡤᢗᠮ᠘ᢣᡧ᠂᠕᠘᠘ᡩᡅ᠒ᡤ᠖᠒ᡤ᠒᠘ᢖ᠂ᡩᡥᡗᡤᠣᡆᠳᡎᡪᡕᡄᡝᢅᢣᡳ᠘ᡩᠾ᠌ᡱᠳᡆᡤ b + d = b +۹۹۵ و ۱۹۵۵ و ۱۹۹۹ $4\sigma J^{55}b\Gamma D\sigma^55\sigma$ UbbUggly.PcC.PrLCb441c. ۹۳۵۱٬۵۵۲ نام۱٬۵۵۸ د داوه کا۱۶۲۵٬۲۶ کا۱۲۵۶۵ کا۱۲۵۶۵ نام۱۶۵۹ نام۱۶۵۶ و ۱۹۵۹ کا۱۶۵۹ کا۱۶۵۹ کا۱۶۵۹ کا 2011-Γ Ρυβίοσθία που βίστος. Πιζην Ρυβίοσθα θίλο Πρίμου βίζος δίστος και δίστ Γ'' Γ'' ۸۵۲٬ ۱۲۲ CO معن "

Paphcaple Ultebita, 19 Dipertities 1967-40-5 A 3-196 $Cd^{\prime}\Lambda D \Gamma^{\prime}\Gamma \sigma^{\prime} b^{\prime}\Gamma \sigma^{\prime} \Delta \sigma^{\prime} C \Gamma^{\prime}\Gamma \Delta \sigma^{\prime} \Lambda \sigma^{\prime}\Gamma \sigma^{\prime}\Gamma$ Λανεηής Σας ΝΡέμε ανώς. "««ειθηίμης «ΝΕΡεμής» Ειν «Ορημηνείντημος» ለحלыበֈ፡የሁህ - ۱۹۷۲ (۲۰۷۳) مـ ۱۹۷۲ (۲۰۷۳) ۸۳۲ بروند الاست ٬۲۵۱۵ و ۱۹۴۵ <mark>د ۱۹۴۵ د ۱۹۴۵ و ۱۹۴۵ و ۵ ۵۱۵۱۴ و ۲۷۱۹۱۴ و ۱۹۹۸ و ۱۹۹۸ و ۳۵۱۹</mark>

Viable Fishery for Makivik

Makivik has two fishing licenses for shrimp: 1) the Makivik license that began in 1979, and 2) the Unaaq license since 1986. With Unaaq, we hold a 50% stake while Qikiqtaaluk Corp owns the other half. We are also given an annual allocation of 390 tons to fish turbot.

For the past five years, the Makivik license is fished by Newfound Resources Ltd with the Newfound Pioneer, since we don't own boats. Newfound

> Resources Ltd own boats and have a number of licenses they fish in order to make a boat ownership viable. Before them, Makivik worked with Farocan. The Unaaq license is fished by Ocean Prawn-Clearwater. Both boats fish the turbot.

Nunavik

Brian McNamara, CEO of Newfound Resources Ltd, presented a cheque of \$510,599 to Makivik on June 11 as part of the revenue sharing agreement for the shrimp fishery on the Makivik license. This year's premium is a reflection of the viable fishery for Makivik.

During the same meeting with Makivik executives Johnny Peters and Michael Gordon, along with Neil Greig who heads Makivik's Fisheries Division, Brian provided an update as to where they sell the shrimp, the prices of shrimp in the past three years and the crew shares per trip for the last fiscal year. Discussions centered on the market conditions and overall sales and also reflect on how quickly the market may change over the year.

Makivik's joint marketing efforts continue in Russia and China. Conditions in the market place will dictate how successful we will be this year and quotas remain unchanged after last years cuts. Makivik has a guaranteed amount and the parties get more if the year of fishing went well. "The 2011 fishing year was very good but it isn't always this way," writes Michael Gordon, "We had some recent years where we didn't get amounts over our guaranteed. It is a good sign for our shrimp fishing crew; they had a good share for 2011. So, our fishermen were willing to go back fishing and others who received training recently could not get spots on boats. In total, there are about \$1-million that is shared by our Inuit fishermen in any given year."

In accepting the cheque, Michael also stated that it is very beneficial for Makivik and shows that well structured partnerships can work for both parties. "The Agreements we have in place with our partners are good and they have proven fruitful for us. They provided much needed income to some Inuit as well as to the Corporation."





۵۷۱۹، باب مه د ده

6-%)
 6-%)
 0 ÷ \lambda \text{ \lambda \text{\lambda \text{\la

 $\mathsf{CDCD44}_{\mathsf{dP}}$ یلانے ک∆۵ مه۱ دالاکایک ۵-۵ ۱۹71-۲ CV_{r_c} $P^{\sigma}CL_Pq_c$ ხ∩ზზს-ᠳ᠙ᠳ᠘ᠸᡎ᠒ᠴᡥ $D^5bDC^5b^5CL^LL^c$ $\Delta 1 - c \ell_{\sigma}$, ۵۲۶۰ د ۵" $\Lambda C^{5}b^{8}\Gamma^{2}\Delta >^{5}$, P140- $JC_3J_6C_3PJ_6Q$ ᡟ᠋ᡷᢛ^ᡕᢣ᠒ᠳ VCJ_5VdV ᡉ᠕᠂ᡖ᠈ᡧ᠒ᡶᢐᡄᡕᢗ᠓ᠳᠳ $\Delta \sigma^{c} \subset \Gamma^{c} \Gamma^{c} \Gamma^{d} \to \sigma$ $\Delta \dot{\bullet} C \cap \sigma^{\flat}$ quelluntheun. ٦٠١٩٩٩ C."عد کا کے ۱۵۲۹۲

ፈኔር የድርድ አመር የሚያ ነው። የሚከታ የሚከተ ነው። የሚከታ የሚከተ ነው። የመከተ ነው። የሚከተ ነው። የመከተ ነው። የመከ

 $\dot{f}_{\alpha}D_{\beta}\dot{f}_{\beta} \cap CD_{\beta}\dot{f}_{\beta} \cap CD_{\beta} \cap CD_{\beta$

᠑ᠪ᠆᠘᠘ᡧ᠉᠙᠘᠘᠙᠘᠙᠘᠙᠘᠙᠘᠙᠘᠙᠘᠙᠘ -1℃Ό'ΔΟ $4^{\circ}CC^{\circ}CC^{\circ}CC$ ۲ ک م ک $\mathsf{C} \mathsf{\Lambda} \dot{\mathsf{L}}^\mathsf{c}$ ᠗᠙᠘ᡀ᠙᠘᠒᠘᠙ Λ % - Λ 0° Λ 0 poco. $\Delta \sim \Delta C \sim \Delta C$ ᢆᡪᢀᢐ᠋᠐ᡩᡰ᠘ᡷᢐᡗᡱᡖ᠖ ∆د۲۸۰-۱۰ ﷺ ∆- ٔ حا∞ ٔ غاد گلاے ᢖ᠙ᠺᡶ᠙᠘ᡧ᠙᠙ᠳ᠐ᡀᡓ ᡆᢐᡗᡏᠳ᠘ᠮᡱᡩᡳ

LP° Δ T >5) σ 54 δ 10>6, $\dot{\delta}$ Λ C56P4Λ5, $\dot{\delta}$ Λ ΛC 174 δα 18 δα ΛC 174 δα ΛC Δα ΔC $\dot{\delta}$ Λ δα ΛC δα

Congratulations for Terry Audla

erry Audla, a descendant of the High Arctic Exiles who had been relocated from Inukjuak in 1953 & 1955, was voted in as the new president of ITK during the organization's annual general meeting, hosted by Makivik at our head office in Kuujjuaq last June 6. Terry received 13 votes while Robbie Watt, the only other contender, received one vote.

During his campaign speech, Terry expressed a lot of praise to Inuit that originally created ITK. And on his blog a few days afterward, he submitted, "I am inspired by the work of our early leaders, including the late Jose Kusugak of Nunavut and Nunavik's Jacob Oweetaluktuk, who said during ITC's first meeting in 1971, "Our culture is still here, but in the near future it is not going to be the same as it used to be.... We have to find an organized voice amongst ourselves so we may direct our lives the way we want them to be.""

This Inuit Nunangat organization that "advances the Inuit cause" has suffered heavy cutbacks from the federal

government in recent times, as the outgoing two-term president, Mary Simon said in her speech to the assembly, "I know you all felt, as I did, regret at having to lay off nine employees this year... The current round of federal belt-tightening will likely continue, and Aboriginal peoples and organizations will not be immune."

Today's challenging public policy environment in Canada add to ITK's struggle to make progress on issues faced by





Canadian Inuit such as housing shortages, mental and physical health, education and food insecurity.

Our Makivik executives, Jobie Tukkiapik, Johnny Peters and Michael Gordon were among the 13 ITK delegates who took part in the vote. The ITK presidency is a three-year term.



Nunavik

Housing Pride Day

ast June 8 the Nunavik communities celebrated our first annual Pivallianig-KMHB Housing Pride Day and prizes were drawn at the Kattitavik Town Hall in Kuujjuaq. Appearing by live video, Michael Cameron, KMHB chairman, and Mary Nassak, spokesperson, also announced the expansion of

Δ^2 'P!UCD 2 L, V4 2 FIU(P! 2 D, 2 P)

عمد م کے درم کار کرد ۱۲ کی کے کہال ۱۹۵۱ کی ۱۹۲۸ کی عمد کے درم کار کی ا <u>;<?PDUC;ULZ==D44; ;<p>?=?PDC;ULZ==D44; PU;CVrL 9,44LD;</u> $_{\alpha}$ $_{\alpha}$ $_{\beta}$ $_{\alpha}$ $_{\beta}$ $_{\beta}$ $_{\alpha}$ $_{\beta}$ $_{\alpha}$ $_{\beta}$ $_{\beta}$ $_{\alpha}$ $_{\beta}$ $_{\beta}$ $_{\alpha}$ $_{\beta}$ $_{\beta}$ $_{\beta}$ $_{\alpha}$ $_{\beta}$ $_{\alpha}$ $_{\alpha}$ $_{\beta}$ $_{\alpha}$ $_{\beta}$ $_{\alpha}$ $_{\beta}$ $_{\alpha}$ $_{\alpha}$ $_{\alpha}$ $_{\beta}$ $_{\alpha}$ $_{\alpha}$ ۵۰۹۹ میرور کیو ۲۰۱۵ کی ۱۳۵۸ کی ۱۳۵۸ کی ۱۳۵۸ کی ۱۳۵۸ کی ۱۳۵۸ کی استار کی در دو به



۵۱۵ مور و ۵۲ عاد مان هاند ۱۸ نام ۱۳۷ مورد هم اور از مان ٬ۀ٬Ċ๖ LLռᢣ٥٩٬٥٠٩٩٥٥٠ عمۀ٥٠غ٥٬ ٩٥٤٥٦ ٥٠٤٠٥٩٠١ع٥٠ ٨٥٥٥٩١٤٨٠ عنافة $dP = \Delta^2 \Delta^2 + \Delta^2 = \Delta^2 + \Delta^2 = \Delta^2 + \Delta^2 = \Delta^2 + \Delta^2 = \Delta$ ኢትናሂላያኖሮውና, ለበላናበርኦታየራይላናረስ፣ ፊል^ነለፈ 2011-Γ Δ bሂናረገበኦፈረናረስ፣ Δ ር ነው፣ Δ ር ነር፣ $\mathsf{J}\mathsf{D}(\mathsf{G}^{\mathsf{G}}^{\mathsf{G}}\mathsf{G}^{\mathsf{G}}\mathsf{G}^{\mathsf{G}}^{\mathsf{G}}\mathsf{G}^{\mathsf{G}}^{\mathsf{G}}\mathsf{G}^{\mathsf{G}}^{\mathsf{G}}\mathsf{G}^{\mathsf{G}}^{\mathsf{G}}^{\mathsf{G}}^{\mathsf{G}}\mathsf{G}^{\mathsf{G}}^{\mathsf{G}}^{\mathsf{G}}^{\mathsf{G}}^{\mathsf{G}}\mathsf{G}^{\mathsf{G}$

the Pivallianiq Makeover Team Program to all 14 Nunavik communities and the launch of the Pivallianiq-KMHB Hip-hop Club. Cool cats and hot dogs were enjoyed in the parking lot after the winners of big prizes were announced, for taking good care of their homes and keeping up with the rent. The initiative, funded by the SHQ, was launched in November 2011 to help families maintain their homes and equipment, beautify their surroundings and to create a safe, clean and happy living environment for all.





᠐ᢣᡪ^ᡕᡃᠺᢣᠦ^{ᡃᢑ}᠂ᠮᠨᡉᡃᢛ᠂ᡠ᠐᠘᠘ᢣᡃᠪᡃᢐᠴ

 $Cd^{c}hD = d^{b} UdD^{c}$ $VU_cL_lCD\Gamma^2LD_c$ Ďᢣᠻᢛᢦᠻᠬᡳ᠘᠙ᠳᠲᢛ᠘᠙᠘ᡓᠻᢐᡳ᠂ᡤᡩᡳ᠂ᡓᢗ᠑ᡏ᠙ᠳᠳ᠉ (¿<>>0 Ďϧና°균 ∢ናና∖ረውነበፊ°ωና CLጋΓ%ሁ Λϧʹϧናረና>ና 2005-Γσ·. C'64 CLCL 6025' Δενσ Δενσ Δενσ Δενσ Το ٩حزره بهه ٥ مه ١٩٥٩ م ١٩٩٥ م حياه ᢧᡒ᠘᠙᠘᠘᠘᠘᠘᠘᠘᠘᠘᠘᠘᠘᠘᠘᠘᠘᠘᠘᠙᠘ᡒ᠘᠘᠘᠘᠘᠘᠘᠘᠙᠘ᡒ حمه ۲۵ په ۲۵ وي وی په ۲۸ م کرد ۲۵ کې حمه ۲۹ کوه <u>σ</u>ι Γσιζίδις)», Ριάσ (Γράα σσ)<u>Ο</u>σι νσιζους $\dot{P} = 0$ σ_{Γ} Le. ρ 5U $_{\rho}$ U $_{\sigma}$ P4LUC ρ =4 σ 4.

C.

0.000 0.000

0.4 0.4

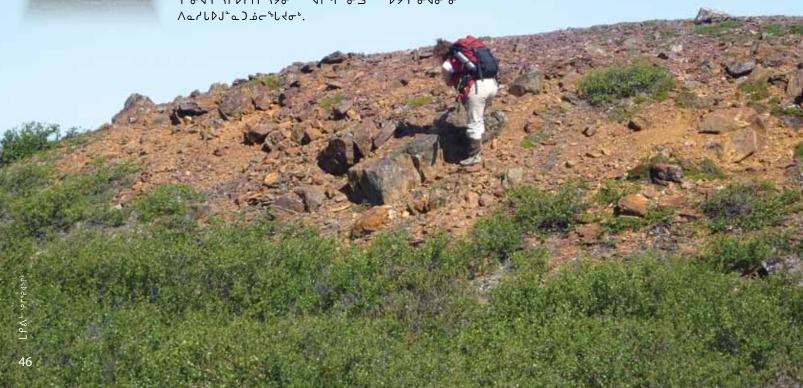


Mineral Exploration and Knowledge

As in past years, a number of mineral exploration and such projects are taking place this summer in Nunavik. Those most significant, as provided by the Nunavik Mineral Exploration Fund (NMEF), include a "Fosse Labrador" survey for gold. Virginia Mines has a 50/50 partnership with the NMEF since 2005. They are conducting a geophysical survey on a property 70 km west of Kuujjuaq, whereby an electric current is sent in the ground and a receiver measures the fluctuation of the voltage. Gold occurrences can be outlined this way. The joint venture owns the resulting data. The fieldwork has to be declared to government at the end of the season to justify expenses and keep the claims.

Training is also taking place in Kuujjuaraapik/ Whapmagoostui (in partnership with the Cree Mineral Exploration Board) for geology and prospecting basics. The NMEF is perpetually interested in Inuit candidates for this kind of training and no previous qualifications are required.

A mineral/geology camp was also planned in Kuujjuaq, within the framework of Makivik's "Raising Awareness of the Mining industry Amongst the Nunavik Youth" to familiarize students with geosciences, prospecting, and matters related to employment within this field.







Nunavik

Innivik Ribbon Cut

Charlie Tukkiapik, head of the Ungava Tulattavik Health Board, officially cut the ribbon to open the new patient transit called Innivik, June 27. Madge Pomerleau and directors of the board chose this name out of 158 suggestions offered in a contest. First Air provided first prize airline tickets, won by Willie Kauki of Quaqtaq. Funding of \$8-million for the new transit came from Services Assurés Non Assurés. The building is very high quality, including the furniture, bathrooms, televisions, telephones, round-the-clock security and three rooms for patients with special needs. The previous transit house was badly in need of renovations and too small for the Ungava residents who need a place to stay for treatment or hospital examinations.

ϘͺϘϘϽͺͺͺϦͱϤϘϹϦϘͺ͵ΓͺͺϘϳϧ·Γ4ϤϹͱ اح ٔ ۱۹۵٬۶۲۵

 $C^{s}P4\Lambda^{b}$, $D^{b}U^{c}\Gamma$ $D^{c}C\Lambda^{b}$ $\Delta^{d}C^{c}C\Lambda^{c}$ $b \Pi^{b}U^{c}C^{c}$ $C^{\varsigma}CPL + \Gamma^{\flat} \Delta^{\circ} \sigma \Lambda^{\iota} \Gamma^{\flat}$, $CL^{\circ} \omega \Lambda \sigma \Lambda^{\varsigma} \sigma P \omega P + V^{\flat} V^{\flat} V^{\flat} V^{\flat}$. ᢄᢗᢣ ᠵᠮᡏᡱ᠘᠘ᡩᢐᡃᡳᠳ᠖᠓ᢐᢐᠾᢣᢛ᠅ᢗᡠᡳ᠘᠂ᡏᢗᡳᠻᢐ᠒ᡤᡪᢐᠾᢛ᠂ᠳ᠙ᠬ 60.65644 128-6. 10015100.540 Febbra. 194. 194. ۸۶۲٫۵۰ کې ۵۹ ۷۵۰۰۱۱۹۳۳ با ۱۹۶۵ کا ۷۸ ۷۵۰۰۱۹۳۹ کا ۱۹۶۸ ᡩᢐᡶ^ᡕᢗ᠌᠔᠒ᡕ᠘ᢆᡷᡱᡖ᠍᠂ 5-600C2-045°C°- $\nabla 4_{P} \Pi \Pi_{c}$





ᡃᡪ᠆ᢆᡷ᠋ᢖ᠋ᠬᢗᡃᡳ᠆᠐ᢣᢣᢐᡥ᠋ᢛ᠂᠋᠘ᠵ᠂᠖ᢧᢀᡩ᠂ᢃᡏ᠙ᢗ᠋ᠮ᠐ᢣ᠂ᢆᡛ᠘ᢣ᠖ᡃᡣᢗ᠐᠋ᡗᡤᢆ᠄ ۵۳، ۱۵۸ نوبولور ۱۵۸ نوبولور ۱۵۸ نوبولور کوبولور کارولور کارولو VPDLFO229c $V_c45 V_r T_c$ $\Delta^{\scriptscriptstyle L}\,L^{\scriptscriptstyle G}b\,D\,\cap\,{}^{\scriptscriptstyle C}\,{}^{\scriptscriptstyle C}\sigma^{\scriptscriptstyle b}$ $\Delta^{L}L^{G}bD\Omega^{C}S-$ 56% PDσ-2. C-24 Δ-240% ΛΟΥΡ-220, ΛΟ-σ46 C66°C ۸۵۲۶-۲۸۱, کانهاه، ۲۵۴۵ه، دینه ۱۴۰۲ م. ۵۰۱۵ مین ۲۸۱۸ میروند ۸۵۲۴ میروند کرد ᡩᢀᠳ᠐ᡗ᠋᠊᠘ᢐᠫ᠘᠙ᢣ᠐᠙ᢣ᠘᠙᠙᠘ᠻᢥ᠘ᠰ᠕ᢀ᠘ᢣᢛᠫ᠘᠒᠘᠘᠙ ۵۲٬۵۵۵،۹۲۵ کادر۵۵۵،۲۵۵ مروبرد سرمبه الاست مروبرد Cabbraidte Oberaibie.

Providing Healthy Goals for Our Youth

A Pictorial Account of Nunavik-Quebec at the 2012 Arctic Winter Games





 Λ° Λ° ᠑ᠳ᠐ᢅᢥ᠋᠘᠙᠘ᢕᢆᡓ, ᡃᠲ᠙᠙᠒ᡯ᠕᠂᠘ᡀ᠘᠘ Δ = "\d\rangle \Gamma \Lambda \C\rangle \Gamma \Lambda \C\rangle \Gamma \Lambda \C\rangle \Gamma \Lambda \Gamma JP944 JCD, 4dd 4DJUP, UP, Pb, CDL Dbp, q.c $V_{\rho}\rho V_{\rho} V_{$ لد'۱۹۲۵-۱۹۲۵ ا ᢄᠳ᠘᠘ᠳ رد 1974-۲, د ۲-1986 $V_{\rho}\rho \gamma q e_{\ell} 4 \gamma c -$ ر 1976-7 47466°C<-c0°Fd-. $\Delta = \dot{\Gamma}_c OP_b - \dot{\Gamma}_c OP_b C$ $2000-\Gamma\sigma^c$ $6470^c7^o\Gamma^e\Delta^i\sigma^j\Gamma^c$. Colf 105, Φρησυς για 105, συσυ 4)UUCP~P44. 1∆..94, 4p.L f.b\f.ch 10 Λρ^cζJ. ز_و۹ ح م ^ % % J - V_{ρ} امورخ ۲۵ کور

 $2012-\Gamma$ Λ° Δ Δ° Δ°

he Arctic Winter Games provides some very healthy goals for our youth to strive for. These young people not only have to be athletically accomplished to make it on the team, but their personal conduct must also be proven worthy as ambassadors to represent all Nunavik Inuit amongst their peers from other parts of the circumpolar world during this high-profile international event. The Games strengthen sport development in the participants' jurisdictions, promote the benefits of sport, build partnerships, and promote culture and values.

The first time that Ouebec sent athletes to the Arctic Winter Games

was in 1972 and then again in 1974, 1976 and 1986. Team Nunavik-Quebec has carried on this participation every other year since 2000. The Arctic Winter Games took place this year in Whitehorse, Yukon from March 4 to 10. The pride shared by these Games is felt not only the team, but by the region as a whole.

For the 2012 games, Team Nunavik-Quebec was comprised of 53 athletes, six cultural performers, 11 coaches and five mission staff. Our athletes participated in five different sports: Arctic Sports, Dene Games, Badminton, Table Tennis and Snowshoeing. Our athletes have excelled in Arctic Sports and Dene Games, which are traditional



Team Nunavik-Quebec participation at the Games was thanks to funding from the Ungaluk Program (coordinated by Makivik and KRG), Air Inuit, Xstrata Nickel, the Regional Development Fund (managed by KRG), the Quebec *Ministère de l'Éducation, du Loisir et du Sport* and the FCNQ.

LP۸b

 $C^2 - b^2 + C^2 - b^2 + c^2 + c^2$ ۷عز ۱۹۵۹ مرک ۸۶۹۱۹۶۲ می ۵۲ عے ۱۹۵۱ ۸۶۹۱۹۶۲ می Vδτωβεί ντυδεδυηυειλδετυρ βασιετιε ντυδεδυηυδήε

 ∇ ¬ $_{i}$ $_{i}$ $_{j}$ $_{i}$ $_{j}$ $_$ Δ = "13 + " Δ = " $L_{i,j}$ θ_{o} $\theta_$ $^{\circ}$ Thursh $^{\circ}$ Char. Variable, $^{\circ}$ Phale $^{\circ}$ Phale $^{\circ}$ Phale $VLP_{\ell} = VLP_{\ell} + VLP_$

Çρ٩٩ Υρρηφείτας τσίτας αρισίζρητε Cill αιτΦΦρ-۵ - ۱۹۲۰ أ- ملاح- ت $\Lambda_{\rho} \Lambda_{\rho} \Lambda_{\rho} \Lambda_{\rho} \Lambda_{\rho}$ \4.P.U\1U\9\;\P1.\U\p' 4 -1019,Up 6 - 6 -V 5 -1019,040 6 -Pi 6 -V 6 -1019,040 6 -Pi (¿۲۹۷°, LDc)' ŸĖ`> (ፖቴ°C&&4FÞ°). Ċ゚┛4 -06004c 400c Vββ1-᠑᠙᠕᠙᠘᠙᠘᠙᠘᠙᠘ مے ہ ۲۵۶۴ کو در کو د ح- ۲۵٬۲۵ C L°il′۲۰, د د ۱۰ $DPD^{\varsigma}CD\Gamma D^{\varsigma}$ $V_{\rho}\rho 145 \Gamma_{\phi} V_{c}$ D.JUL¬L. Λ° $^{\circ}$ $^{\circ}$ יאסארריושוה, לרכילמירן די עשיומגלסטניטוי קויסאשראסס קריושוי קריס אישייי אישייילילילי $a \rightarrow a_1 + c_1 + c_2 + c_3 + c_3 + c_3 + c_4 + c_4 + c_5 +$

۵٬۲۱۴ ۲٬۶۴ مح۲۰۱۴۲۶ ۷۶ مح۲۰۹۲ ۱۴۶۲ ۱۲۶۲ ۱۲۶۲ ۱ 4° 2° 2°

DU!<- 14 - 0 1, L CLL - . 1 \(\alpha \) \(\alpha \) $\Delta - \dot{\Gamma}_c \Omega_f \Omega_\rho \Gamma_c$ $V \in \mathcal{C}_{\mathcal{A}}$ $\Lambda_{\rho} \Lambda \Lambda \Lambda \Lambda \Lambda_{\rho} \Lambda \Lambda_{\rho} \Lambda_{\rho}$ Δ° α ۲ L ~ 55 d °, $\Delta \sigma^{c} = r L^{c} r \Delta D^{c} + D \sigma^{b} d = 0$. 400° 2° 10° $UL(\Lambda_{\ell}, V_{\ell}) \wedge U(\Lambda_{\ell}, U_{\ell}) \wedge U(\Lambda_{\ell}, V_{\ell}) \wedge U(\Lambda_{\ell},$ ۵۱۱ مه عددد آد ۱۹۵۹ کارور ۱۹۵۸ عدده آم 1° 1° 1° ᢀ᠙᠘ᠳ᠘ᡀ᠘ᡀ᠘ᡁ᠘᠙᠘᠘᠘᠘ ے مے ⊂ ۲ ا حے , دۍ ۲۵ $L_cP_\ell P_\ell \Psi D \dot{f}_\sigma \Phi_\ell$ عودد ۱۱۱۱م ۸۲۸۵ ک۵۱۸ هزرکارد ۱۲۶ غربه ᠘᠙᠘᠘᠘᠘᠘᠘᠘᠘᠘᠘᠘᠘᠘᠘᠘᠘᠘᠘᠘᠘᠘᠘᠘᠘᠘᠘᠘᠘᠘ $a^{c} - b \cap a b^{b} \cap b^{c} = b \cap a b^{c} - b \cap a b^{c} = b^{c} =$ $\Delta - \Gamma + D = 10^{\circ}$ ᠑ᢞ᠙᠘ᠺ᠘᠆ᢇᡳ ᠕ᡕ᠘ᡎ᠘ᢖ᠙᠘ᠳ᠙᠘᠘᠘᠘᠘᠘᠘᠘᠘᠘᠘᠘᠘᠘᠘᠘᠘ $Cd^c + D\sigma^s b^s \sigma \Gamma J^c$.

 $\Delta C_{i,c}$ ۰۵۵۵٬ ۵ - ز د ۲ ۲ ۲ ۲ ۲ ۲ ۲ 10-₀₺ الما احمه 14-σ⁻⁶ ᡏ᠈᠘ᡒ᠘ᠳ *ـ*-'۔12 ه محامواه Λρρ14σείτασ ΔείρησιΝτοι Φισίρηιο-DchU, D-C, V-C D42, C ᠑ᢀᠳ᠙᠘ᠺ $VP4^{\Gamma}\Gamma^{\sigma}$ مواد دا۱۲مه م د۱۹۲۲ و ما۱۹۲

ᠴᡅ᠗ᡟ᠆ᠯ᠘ᢥ᠘᠙᠂᠒᠆ᢆᠾ᠘ᢃᡀ᠐ᢢ᠘ᢗ᠘ᠵ᠕ᠵ᠐᠘ᠻ᠘ᠻ᠘ᠻ 6 CACOLD. 6 CACOLD. D&Page Up ᡃᠫᡕ᠘ᡶᠲ᠙᠘ᡎᠲ᠙ᠾᠼ ₽₽₽₽₽₽₽ $\nabla P f_{\ell} L^{-1}$ الح ۲۹ طرد. ۵،۹۹۵ کوری کا کی پورٹ سردی $\nabla \rho \, \mathsf{f}_{\mathsf{c}} \mathsf{L}^{\mathsf{c}} \, \mathsf{r}^{\mathsf{c}} \, \mathsf{r}^{\mathsf{c}} \, \mathsf{p} \, \mathsf{f} \, \mathsf{f}_{\mathsf{d}} \mathsf{L}_{\mathsf{c}}$ ᢦᠲ᠈ᡶᢇ᠘ᡕ᠘᠙᠙ᠲ᠘ᢖ᠙᠘ᠵ᠘ᠳ᠘᠒᠙᠘ᠳ᠘᠘᠙᠙ᡐᢙᡓ᠘᠙᠙᠕ᠳ᠘᠘᠙᠙ عدددان ۱۹۵۱ مان، ۵۰۵ مان، ۵۰۸ کاز ۲۹۵ مان، عددداه ا (PTታг୮୯.ዮ., ዋህ የ PU የ P Λ %-- Λ 0.5%- Λ 0.5% $\Delta C = C^{L'} + C^{L$ ۵۷۰ د∀۷ 6ጋ $^{\circ}$ የፀበሶ $^{\circ}$ ል $^{\circ}$ ሀ $^{\circ}$ Δ $^{\circ}$ ር $^{\circ}$ ር $^{\circ}$

competitions enjoyed by the different cultural groups throughout the circumpolar regions.

Our cultural performers participated in cultural exchanges, daily performances and two gala concerts at the Arctic Winter Games. They had the opportunity to meet other national and international contingents and share their talents and their pride in Nunavik culture, as well as learning about other circumpolar cultures.

These Games are the world's largest Northern multi-sport and cultural event. There are nine circumpolar regions that send teams: Nunavik (Quebec), Alaska, Yukon, the Northwest Territories, Alberta North, Nunavut, Greenland, Yamal (Russia), and Sapmi (Scandinavia). Special emphasis is given to the sports from each circumpolar region, such as Arctic Sports and Dene Games. The Arctic Winter Games are a unique gathering and is the only international sporting forum that officially recognizes these heritage sports.

Since the region's return to the biennial Arctic Winter Games as a guest contingent in 2000 at Whitehorse, Team Nunavik-Quebec has been growing stronger and stronger, both in terms of athletic performance as well as organization. To help prepare our athletes and give them something to work towards, KRG's Recreation Department organizes local, coastal and regional competitions during the two-year period between each Arctic Winter Games. Athletes that become part of Team Nunavik-Quebec are selected based on athletic performance, good sportsmanship and leadership qualities.

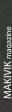


م٥٠٤٦ مح ٥٠ م ١٥٠٥ كان م

Nunavik's mission staff, headed by Jean Dupuis, met daily to strategize and to evaluate how things were going in every situation.

> The team won a total of 36 ulus: 10 gold, 14 silver and 12 bronze. As the second smallest team at the Games, our total number of ulus compares favourably with much larger teams such as Greenland and Nunavut.

> Team Nunavik-Quebec's participation in the 2012 Arctic Winter Games has been made possible through the generous support of a number of financial sponsors. It is especially important to thank the Ungaluk Program for safer communities (coordinated jointly by the Makivik Corporation and the Kativik Regional Government), Air Inuit, Xstrata Nickel, the Regional Development Fund (managed by the Kativik Regional Government), the Quebec Ministry of Education, Recreation and Sports (ministère de l'Éducation, du Loisir et du Sport) and the Northern Quebec Federation of Cooperatives.







Λσ4'σ'6'Y\ Δο'τΡησ' 4"ο\$'τ Κσ4'σ'Y\ Λσ4'σ'Y\ Λσ4'σ

Dressed in traditional costumes during the gala show.

Δ ュ いっぱ ハッショイン・ Cultural Performers

∇゚イ゚ ∩ イ Angel Deer

ィウペ』 4つ4 Steven Alayco

ュΔち くΛቴ^ςϽ⁵ ቫቴ˚ Louisa Papigatuk Argun

ککرے ککر۔ Louisa Naluiyuk

ہٰ∧ کہے ' Sophie Tukalak







de 1° 7: Λδε Ε^cταΓJ^c λεβJ^cλιλ^c)⁶ Δε Γσ⁶ Δε Δ⁶-dV⁶ΓDσ⁶.

Allison May: giving everything she has for Team Nunavik-Quebec.

1-40 MW		
Þ₽Þ⁵CጋΓ ∧ኈንͿ∢₽ι Arctic Sports	jc	
	اد ۵۵۲ Aupaluk	
4 ゚゙゙゙゙゙゙゙゙゙゙゙゙゙゙゙゙゙゙゙゚゚゙゙゙゙゙゙゙゙゙゙゙゙゙゙゙	j₊⊀₫% Kuujjuaq	
dュく >)」 ⁶ Aloupa Pututgu	>៱ ^ና ৮ጋ [%] Puvirnituq	
ປປຕ 'P°ຼ໑ປປປ% Juani Qinuajuak	> ል ˁ႕ つ ՞ Puvirnituq	
∇ ኣ ለ፞ኁ∩ (1 'bd'c−', 1 ቴ˜ኴኑ, 2 ለጐ፟ጌJd՜ቴCኮና 'dԺት՝) Aisa Pirti (1 gold, 1 bronze, 2 fair play)	>ል§ታጋ% Puvirnituq	
ቃራ	Inukjuak ひっ ^c くりゃ	
イドィ トンぐ・ィ Jamessie Cumberbatch	Inukjuak Aっ ^c そり。	
d∈ ∇? Alek Airo	ું કે કર્યા Kuujjuaq	
へみ。 ▷△Ċっ°ン% Penina Weetaluktuk	∆っ゚く√% Inukjuak	
ਰ 4 ⊂ ਼ੈ° ਾਂ ⊿ ੨ਂ Nellie Cain Snowball	નું∗⊀ીય Kuujjuaq	
र्वेट ५° न Allison May	ને ⊦ ર ી ઃ Kuujjuaq	
ー*C 'ቴዖ' ቫ슨* (1 ለ^\$J ₫'ቴርዖ' ґ đۍ'*) Linda Kowcharlie (1 fair play)	j⁵⊀∢Ś∆⁵ Kuujjuaraapik	
በ ሳ ' ሶሲ ቴ' ኦ ሩ ['] ና (1 'ቴሪቴ' ሩ- ' , 3 ሳ ' ኔ 'ቴኒ-ኒ-' , 3 ቴ' ኔ-ሳ ና) Deseray Cumberbatch (1 gold, 3 silver, 3 bronze)	Inukjuak Δ ω c イ վ %	





ΔΕΓΥΡΊΒΕΟΡΎσ. ΔΕΡΟΊΚΟΡΑ ΔΕΡΟΝΊΓΗΝ ΔΕΛΙΓΡΟΎ ΔΕΡΟΙΤΟΝΌΝΟΝ ΔΕΡΝΙΚΟΝΙΚΟΝΙΚΟΝ

Makivik corporate secretary, Andy Moorhouse, also participated in the Games events as a member of the Nunavik delegation.



حـــُــــ (الحه دناحة , ۸۰ ما۲۵ کا ۱۹۵۱ که ۱۵ د کا داد در کا کا ۱۹۵۱ کا د

....

Linda Kowcharlie, one of our Fair Play medallists.



نه ه النه ۵ م ک ک ک ۱۲ A ه ک ک ک ان ۱۳۵۰ کان ا

Johnny Kasudluak doing the One-Hand Reach.







Warming up in the corner for more Arctic Sports competition.

Coach Tommy Palliser shows Aisa Pirti an instant replay of his High Kick attempt — and Aisa wins the gold by reaching nine feet and two inches. 4Γ Δ⁽)⁶ ζ⁽Γ°C°4⁶ - Ċ°_Φ Λ⁶⁶J4P²Γ⁶ Δ⁽6⁸⁶Γ)¹L_αρJCρΓ4_C⁶.

Jamie Etok in a badminton match — a sport that requires excellent fitness.



しゃいけん Kangirsuk しゃいけん かっちょくが Kangiqsualujjuaq しゃいけん かっちょうか Kangiqsualujjuaq しゃいけん かっちょうか
Kangiqsualujjuaq もってくくコットくくが Kangiqsualujjuaq
Kangiqsualujjuaq しゃいくくしょくくい
Kangiqsualujjuaq
∆ءد Inukjuak
o ∆ام Inukjuak
j∘⊀4ġ∧₅ Kuujjuaraapik
P&L¿547-644



Δ¬° ν Δ° Ͻ° C° ¬ P Λ° P δ' d T° Ͻ σ 4° C Þ ἐ ν ለጐ ካ d ጋ ፫ ሊ ት ω°. Elijah Etok gets his snowshoes weighed by the officials.

ቫና በ4ኇነ 4∝ዖራሆንና Table Tennis		
de ivc (1 へかりからのられるか) Alec Saunders (1 fair play)	Kuujjuaq d⁵ ⊀ଏ⁵⁵	
∇ ∖ ♭ ∆ዾ [‹] ⟨ [∿] ♭	Inukjuak	
Aisara Inukpuk	مد ۲۵%	
dત∵ ₫∿Γൎፈ⊹	Inukjuak	
Chris Angiyou	مد ۲۵%	
לבל Δ٬۶ ב	Inukjuak	
Taamusi Echalook	مد ۲۵%	
これら desbCb	Kunijnad	
Larissa Annahatak	٩،४०،	
Å∧ ♪ΔĊ¬゚ン゚	اnukjuak	
Phoebe Oweetaluktuk	مد کا∂⊸	
らい くりょう くんしょう くんしょく くんしょく くんしょく くんしょく くんしょく くんしょく くんしょく しゅうしゅう しゅう	ک م _د ۲۵۶ Inukjuak	



C_cっくしく。 Δ¬՟৮ Δ^cጋ% Elijah Etok Kangiqsualujjuaq dه د ۲۵ ک کے ذ Conlucy Snowball P&L¿547=644 Kangiqsualujjuaq ᡖ᠘᠙᠘ᠳ᠆᠆᠘᠙ Jaaka Sam Annanack (1 Kangiqsualujjuaq ᡖ᠘᠘᠘ᡨ᠘᠘ Jimmy Emudluk Kangiqsualujjuaq julia St-Aubin بزد ۷ ۲٫-۵۷٫ P&L¿547=,540. Kangiqsualujjuaq 「テート」 「アート」 Minnie Molly Snowball P&L¿\477,44. Kangiqsualujjuaq ٩،٤٥¿٧، رجه ۱۵۲٬۲ (۱ هـ ع) Celina Wapachee (1 bronze) Kuujjuaraapik ∜۲٬۵ ∆۵٬۲۱۰ DLD P 20 Diane Inukpuk Umiujaq

 C → Δ

 C → Δ

 C → Δ

 C → Δ

 C ← Δ

 C ← Δ

 C ← Δ

 C ← Δ

 C ← Δ

 C ← Δ

 C ← Δ

 C ← Δ

 C ← Δ

 C ← Δ

 C ← Δ

 C ← Δ

 C ← Δ

 C ← Δ

 C ← Δ

 C ← Δ

 C ← Δ

 C ← Δ

 C ← Δ

 C ← Δ

 C ← Δ

 C ← Δ

 C ← Δ

 C ← Δ

 C ← Δ

 C ← Δ

 C ← Δ

 C ← Δ

 C ← Δ

 C ← Δ

 C ← Δ

 C ← Δ

 C ← Δ

 C ← Δ

 C ← Δ

 C ← Δ

 C ← Δ

 C ← Δ

 C ← Δ

 C ← Δ

 C ← Δ

 C ← Δ

 C ← Δ

 C ← Δ

 C ← Δ

 C ← Δ

 C ← Δ

 C ← Δ

 C ← Δ

 C ← Δ

 C ← Δ

 C ← Δ

 C ← Δ

 C ← Δ

 C ← Δ

 C ← Δ

 C ← Δ

 C ← Δ

 C ← Δ

 C ← Δ

 C ← Δ

 C ← Δ

 C ← Δ

 C ← Δ

 C ← Δ

 C ← Δ

 C ← Δ

 C ← Δ

 C ← Δ</

Celina Wapachee won the team's first ulu in the 2.5-km snowshoe event.

Inukjuak's Sasha Kokiapik and Charlotte Aculiak do the bump while in play during a Juvenile Female Table Tennis match.

Sasha Kokiapik



The Dene Hand Games were once used to gamble for things such as bullets, furs, dogs, toboggans, or stick matches.



Pamela Stevenson exerts expression with all of her might during the log push.

Delegates in the background cheer forcefully for their fellow Nunavimmiut, resulting in a gold ulu for Team Nunavik-Quebec.



4"っ ቨெኖ ለእንህ4? ተ ^እ ቦና Dene Games		
ϧʹϹ΅ ᆮჼͽͺϧʹͼ Justin Lingard	g _F ५० _८ ,	
くりって くしょ (1 dsjゃしくい)	Kangiqsujuaq	
Paulusie Alaku (1 silver)	Kangiqsujuaq	
∩់ថំ មេ្ហា	j∙⊀₫Ġ∧⁵	
Deon Hughie	Kuujjuaraapik	
くりっぱ くっつ。	^{ମୁ} ଏ ^୩ C ^୩	
Paul Angnatuk	Quaqtaq	
ΔϽϤ ͺ϶ʹ·Ϲͺ(1 ͺϤʹϧʹϧͺͰͺͼϧ 1 ͺΛϧʹϧͿϥʹϧϹϼʹ·ϲʹϥϧ·ϧʹ Edua Jones (1 silver, 1 fair play)	Iunkinak ∇っ。纤ィォ。	
くんプbˤト ハC	g १४०%	
Papituqaq Peters	Kunjjnad	
ن ح ۵ و کار	Kunijnad	
Junior Lingard	٩،४४،	
L へら アン (1 ららっし、1 ぐらいしゃ) Mario Rupert (1 gold, 1 silver)	j∘⊀4Ġ∧⁵ Kuujjuaraapik	
く「こ ィウペ゜、\	નું ૧૧૧	
Pamela Stevenson	Kuujjuaq	
ዑናጋናዮ ርናናዮላ∧	નું ૧૧૧	
Uttuqi Tukkiapik	Kuujjuaq	
∆ぐ イ⁵ᢏጋᠬ (2 イメトッレイト)	j _॰ ५० ^९	
Eva Angnatuk (2 silver)	Kuujjuaq	
לפ"ם אור (1 לפ"ט)	ું કે કે વેડ	
Sianna Gordon (1 bronze)	Kuujjuaq	
こうしょう (2 らりょう) しょうしょう (2 らりょう) Leanna Angnatuk (2 gold, 1 silver)	Kuujjuaq j،⊀ଏ₃	
فعا ۱۹ ^۲ Nancy Watt	નું ૧૫લાjuaq	
D ትሮ	g _F ४० _८ , Yunjjnad	
C へく d ん d %	નું ૧૧ ^ત	
Tapia Arreak	Kuujjuaq	



Ahuya Snowball shows us one of his four medals. Team Nunavik-Quebec won a total of 36 medal ulus: 10 gold, 14 silver and 12 bronze.



۵۱۵ موحد آد ۱۹۵۵ کای کی ۱۹۵۱ کی کانی ۱۹۵۱ مین ۱۹۵۱ کایک ۲۵۱ کایک ۲۵ کایک ۲ کا

KRG chairperson, Maggie Emudluk, was one of the dignitaries to present ulus to the winning athletes.

5.550		
Lー・イトロC D - く Mission Staff		
் ⊃>∆ Jean Dupuis	ለጐኈJ ላ ሒ ላናጋ ለ L ປ ና ላጐ L ປ ናና ዜጐ L ና Chef de Mission	
ぐ⊂ ہے۔ ہا'' Valerie Rykhoff	^ ∿ ጌ ላ ሊ ሳ ን ለ L ປ ና ላ ጌ L ປ ና ኒ ኒ ኒ ኒ ኒ ን ጌ L – ጌ L Assistant Chef de Mission	
که حرْنی⁴ Tunu Napartuk	Head Coach V^o^J4Dc PT 5_oLC 4_oF42.fpoFc	
イイト ・>゚ Sarah Beaulne	لـــ د۲۱۹۲۲ ۵ خـ ۵ گائے د Mission Office	
ትባተ ୮ባተ Jessie Mesher	ዑየዑናርጋΓዑና ለጐህ∢የረጐቦኄ⊿ና Arctic Sports	
√ં°Ċં′ં હે° Aftab Khan	زدله Cپ ۲۰۰۶ زدله Cپ ۲۰۰۶	
የፆታ° የ4ናے Karin Kettler	کے''امر''۲° ۸۶٬۴۵۸ مرا'ک کلاحہ' Cultural Contingent	
ذ د رن Pat Tasse	4° ⊃ና ሰቀና ለ% ∜J4ʔ ለ% ዮኌና Dene Games	
ለላ° J∆∩° Ben Whidden	N 4 σ ` 4 a D ⊂ し ゙)	
نے ئ Jean Leduc	C゚ュイLせ。 ^c Snowshoeing	

	ለ ^ኈ ንJላጋራ ይLት ^c Coaches	
ĊГ くっち Tommy Palliser	▷የ▷°CጋΓ ለ∿∿J∢ʔረታ፡ Arctic Sports	
イイト ៤ Þ b ် c b Sarah Nowrakudluk	δ₽δ'CጋΓ ለ%%J4ʔረጔ' Arctic Sports	
Ĺ♭ >S√ Mark Brazeau	く・「C C C Badminton	
id N'dう Jeanne Descoteaux	Ċ ^c Γ°C° Badminton	
ರ್ನ`CC LC° Christopher Martin	ሳ ⁻ ጋ ሰራ ለ እ	
Ld⊂ C ^{ss} P4∧ ^ь Maakula Tukkiapik	ሳ ⁻ ጋ ሰራ ለ እ	
ずっく L d γ Δ >	^ኒ ናΓ በላራ` ላ	
d ໄ > ວ່ [、] ບ ^c Amber Douthwright	^ኒ ናΓ በ	
ND4° ΔL ⁶ b	C°ے۔ Snowshoeing	
کرے ٹ نے Gillian Warner	bゃいくくつ。 Kangiqsualujjuaq	



Nunavik's Dene Games female athletes. Besides the medals won by our individual winners, Team Nunavik-Quebec also received two gold, five silver and two bronze ulus for team events.



۱۹۹۵ کی مامه نظمت کی میلی نه نه کا ۱۹۵۰ کی می ۱۹۵۰ کی ۱۹۵۸ کی می ۱۹۵۸ کی می کا ۱۹۵۸ کی می کا ۱۹۵۸ کی می کا ۱۹۵ می کا ۱۹۵۸ کی می کار کار در اور کار کی می کار کار کی کار کار کی کار کار کی کار کار کار کار کار کار کار کار کار

Winter Games are built upon the philosophy that fair play and sportsmanship are as important as the competition.



ᢗ᠋ᡆᢣᢧ᠒ᡕᠲ᠈ᢩᠯ᠆ᢧᠾ᠍ᡧᠳ᠈᠕ᡷᡒ᠋ᡏ᠘ᢣᠸ ᡏᠵ᠘᠘᠙ᢣᢖ

Exhibition Games were demonstrated by the Alaskan contingent.

ᢦᡕᠲ᠐ᠳᡶ᠌᠌᠈ᠺᠫᠮᡏᠳᢓᡒ ᠆ ᡊᠲ᠘᠐ᢆᢋ᠘᠙᠘᠙ᠳ ᠙ᡶᡲᡒᡒ᠘ᡗᡪᠮ᠙᠘᠙ᠳ

Not many volunteers came forward to try their luck at this age-old form of back-to-back head pull.

The object of this game is to go as far as you can while being carried on a pole using the strength of one wrist.

 6 2 1

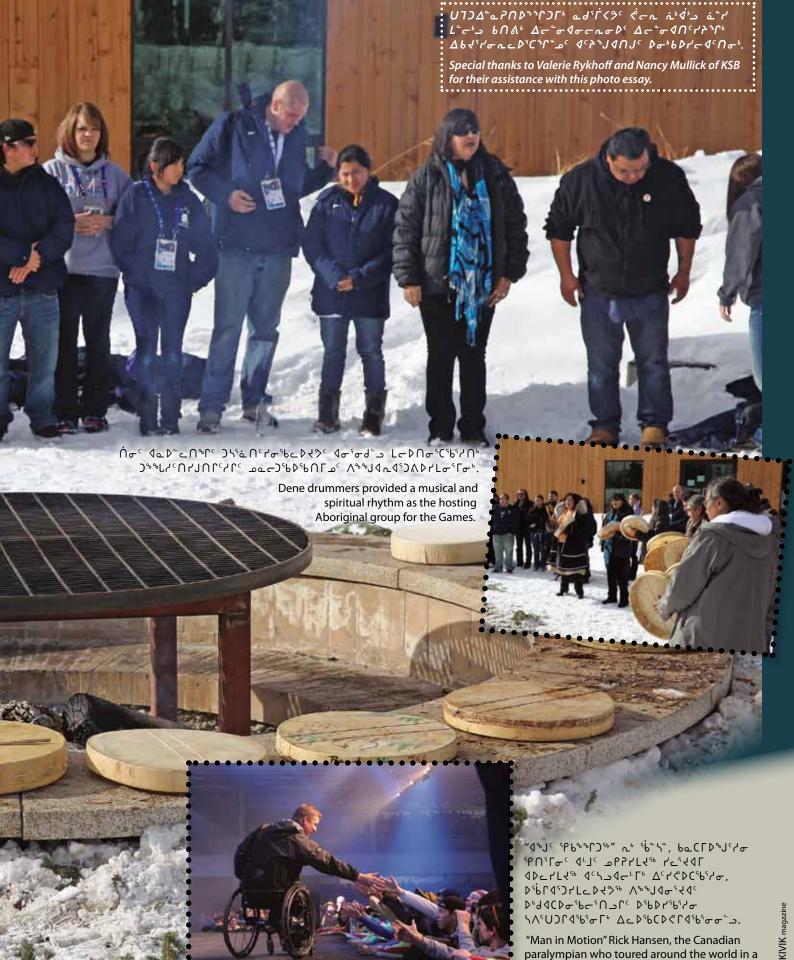
The Blanket Toss may have started for the exhilaration it provides or to spot animals over the horizon.











wheelchair, made a speech during the closing ceremonies about courage and inclusiveness.



Δ_c Δ_t Δ_t



Exposition of artifacts from JeGn-2 on August 18th in Akulivik.





حراله که کاه چی آ JeGn-2-۲. Wooden bowl discovered at JeGn-2.



Archaeological Research on Smith Island

Text and photos by Pierre M. Desrosiers

uring the summer of 2011 Avatag Cultural Institute undertook archaeological excavations and field survey on Smith Island, near the community of Akulivik. The project served as a field school for local high school students and it was received by them with great interest. Many teenagers applied to participate in this activity. The following students were involved in the field school: Evie Aligu, Illutak Anautak, Laura Aligu, Lucassie Aullaluk, Lucy Alasuak, Maggie Irgumia, Okituk Amamatuak, Patric Qilugi and Tukak Qinuajuak. The camp was run by Simon Makimak with the help of Laina Anauta, Louisa Nappatuk and Davidee Makimak. We were also fortunate to have the special involvement of Willie Kumarluk from Umiujaq, who was responsible for documenting the regional history through interviews and archaeological

research. Two students from Laval University, Stéphanie Steelandt and Jonathan Pageau, conducted their graduate research on driftwood and the geomorphology of the island. The Avatag team consisted of Tommy Weetaluktuk, Andrew Papigatuk, David Howard and myself.

Following our first visit to the island in 2010, we collaborated with the local authorities in selecting the site of Kangiakallak (JeGn-2) as the most appropriate location for the field school.



Evie and Lucassie during the excavation.

The archaeological remains were deposited by two different culture groups, both of whom occupied the site in winter. The Dorset occupants built shallow semi-subterranean houses here, followed later by Thule inhabitants

oe8'Γ Λ°°J4N

707 L07 4Ո%ե։ ₹ 28, 1985 ۵- مه که ح- ۵ هو:

عم ۵غر۵۸۸۰۰ ا: 9.400 9.400

عدد ۱۶۹۶ اند

ده ده ده ده ۱۶۲۰ ما ۱۹۰۰ د۹۰ المماله از ۱۵ محد:

۲۹۵۰۹۰ ۲۹۵۵۱ خوز سرا۲ ع ᠳᡐ᠘ᢏ᠈ᢩᠸᡒᠾ

14710 % V

LLره زمل م ۱۹۵۹ عا:)٬۵۵۰ و تا ۱۵۲۰ ۱۲۵۲ و ۱۵۲۰ میرا ۱۵۲۰

Λ°°J4)- ~ σ° σ° 4Cρ° ۲d° Π ۲ λ رح ۱۹۵۱ که مهل:

>٬ϽͼʹϞϒϭʹϲϹϧ ΔϲͺͼϭϥϔͺͰͳϽϢͺ ۲۶٫۰۰ ۲۶٫۰ ۲۶٫۰۰ (۵۲):

Aarla GAGriLaccas ۵غ۲۶۲۰ م-۱۹۲۰۶ک ف

ᡏᡒᡗᠮᡕᡪᠹᡶ᠘ᡷ᠘ᡓ᠘᠘ᡶ᠈᠘ᡒ᠘᠘ᡶ᠙᠘᠒ᡶᡧ᠘ᢖᡣᠳ ᠑᠙᠘᠘᠙᠙᠘᠘

16,749196,Cds

۵۵۹۱۹۷۹ خود (شورز): ۲۰۲۷ خوب ۱۳۷۹ خوب ۱۳۸۹ (شورز): ۲۰۱۹ مروزی

Nunavik Player

Name: Jessie Mesher

Place of birth: Kuujjuaq Home community: Kuujjuaq

Date of birth:

Favourite people: My three children and my nieces

July 28, 1985

Favourite sports: Snowmobile racing and

Favourite food: Fondue and fried caribou

volleyball

Occupation: Recreation coordinator Future goal:

To get a college degree Most difficult Trying to keep up with my job

that I love, with three little obstacle to overcome: children

Pet peeve: Forgetting to do something

important





2010- Γ 'PP'C44 Γ -D')A&P'C, A&AGHN'B'B'C-D4J' (4-A)' 'P)-'NJ-4%P'-b' a'-ib'BNC'C' \(\Delta \cdot \C')\sigma \cdot \cdot \C')\sigma \cdot \cd

who constructed semi-subterranean sod houses (qarmait). Two structures were excavated: one Dorset and one Thule. Through the excavations we recovered unusually well-preserved artifact assemblages and structural wood. This exceptional preservation permitted the collection of organic tools that are usually absent in archaeological sites in Nunavik.

During the archaeological survey we recorded a large number of Dorset cold season structures on the north-eastern tip of the island, as well as many other sites along the northern shore. It is apparent that the north-eastern point was an important location for winter camps and this is likely associated with a nearby *polynia* situated between the island and the mainland. One deeply-buried Palaeoeskimo site was also discovered through a test pit (temporary code: AKU-11-20). This site holds great potential for future excavations. In addition, the field school provided the high school students with training in archaeological field methods, as well as introducing them to *geomorphology* and *dendrochronology*.





$A^{\prime\prime}$ A

 \dot{C}° \dot{C}°

 6 $V \leqslant -4 \Gamma \Gamma \theta \sim 0.2 \ \Gamma \theta \sim 0.00 \ \Gamma \sim 0.00$ $\dot{\mathsf{C}}$ IT GLD^C $\mathsf{GPLFLOP}$ GLC^C GLD^C GLD^C GLD^C $A = A^{-1} + A^{-1}$ 'P۲'ንበርኦ'ረበ'. ᠴᡆ᠊᠍ᠺ᠇ᡶᢧᡕ ᢗᠲᡩᡕᡶᡎ᠐ᡒᠾ᠊ᠳ 70°50 8 8 7 1 7 1 CDJUiPCD44c 4° ᠘ᢩᡠᠲ᠒ᡤᡕ᠘ᢣ᠙᠙᠒ᡤᠴᡄ᠉᠘ᢣᠦ᠆ᠴ $\Delta^{c}\Lambda_{c}C^{c}$ $\Delta^{c}\Lambda_{c}C^{c}$ $\Delta^{c}\Lambda_{c}C^{c}$ $\Delta^{c}\Lambda_{c}C^{c}$ $\Delta^{c}\Lambda_{c}C^{c}$ ᠕ᢀᠳ᠋᠑ᡏ᠘᠘᠘᠘᠘᠘᠘᠘᠘ Ċ۰۵ V_{ρ} 14UCb1U ρ Cb4rL5U ρ '



Akulivik Students Attend Avatag's Archeology Week

This year was the third edition of Avataq's Archaeology Week. Six students from Akulivik, who had participated in the archaeological excavation of the Kangiakallak site on Smith Island, were invited for this activity. The two main goals are for the students to discover



ماد ۱۲۵ کی ۱۳۵۲ کی Akuliyimmiut in Montreal

how the artefacts are catalogued and stored after an excavation and to be introduced to different employment options related to the preservation of culture. The students who participated were: Evie Aliqu, Illutak Anautak, Lucassie Aullaluk, Maggie Irgumia, Okituk Amamutuak and Patrick Qiluqi. They were accompanied by teacher Randy McLeod from Tukisiniarvik School.

Among the activities at Avataq, the students were able to discuss their genealogy trees



iC くっちょい ファイハCトリハさい イラー For b. Discovering their family tree with Martha Palliser





ᢣᠳ^ᡪᡥᢗᡅᡶᠯ^ᡕ.

The fantastic Nunavik museum reserve.



 $\Delta \dot{\omega}^{\dagger} b \Pi \dot{\Gamma}^{c} \Pi^{\theta} \Gamma^{c} D^{c} \quad \Lambda^{e} = 4 r L \sigma^{\theta} \Gamma^{2} \dot{\omega} e^{\theta} U + \sigma^{\theta}.$ Visiting the Canadian Museum of Civilization.

Ċᢐᠯᢨ C٩ك¿Ͻ℄ΓϘ¿ĹϘͺϹϙϠ;ͼϤ;ͼϧϭ϶ϥͺͺͺϭϭͿ;ϽΓϔϘ϶ϙͺͺϘͼϧͺϧϧϧͺϹϴϼͺͺϴͺͺϒͺϘͺϲ· ᡝᢗᠲᡗᡃᢐᠺᢗᡳ᠘ᢋᠣ ᠐᠙᠘᠘ᠳᠮᡧᡭᡜᢀ᠂ᡤᢄ᠂᠘ᢘᢣ᠙ᢣᠺᢐᠣ᠐ᡤ᠋ᠴᡥᡳ᠂ᡏᡲᢏᡰ᠙᠂ᡏ᠐᠐᠐᠈ᡥᡅᡬᡓᠫ᠖ᡩᢄᡤ طعا، ۲۲ در ۱۵ مع ۱۵ ۱۵ مع ۱۵ ۱۵ مع ۱۵ مع ۱۶ م $\neg ACD \downarrow \Gamma \not \leftarrow \nabla \subset _{\ell} P_{\ell} \supset \leftarrow \nabla \leftarrow C_{\ell} \cup D_{\ell}$ $\sigma 4^4 4 \Lambda \sigma^6 L \sigma^6 \quad 4 > \dot{c} = \Lambda^6 \sigma^6 \Gamma^6 \sigma^6$. $6 \Delta^6 \Lambda^6 L \sigma^6 \Lambda^6 L$ Δ ے በናንገብ ነፃ ተናንበር ነው እነ ነቃ ነላር እነው የተነገር ነው ለፈር ነው የነገር ነው አንወር ነው እንወር ነው ᢗᡐᡝᡣᡅ᠂ᡝᡪ᠂ᢩᡠᢛᠮᢐᢗᡃ᠋᠂ᡔᡄᡎᡆᡲᠬᢗᠣᡄᢧᢆ᠙ᡰᠮᡳᡣᡝᠴ᠂ᡖᡣ᠗ᡷ᠂᠘ᠵᡥᠳᡏᠳᡄᡳᠣ᠍ᠪᡳ᠘ᡔᡥᠳᡏᠬᠣᡠ حلائل رف (۱۵ م) ۱۵ م) ما ما من فر کار حل ۱۵ بال ۱۵ م) ۱۵ م بال دف اور ۱۵ م) می اور دف اور کار اور دف اور کار اور دف اور کار اور دف اور کار دف $Cd^{3}/2\sigma^{3}$ L $Cd^{3}/2\sigma^$

-۱۶٬۵۱۴ حـ۱۵٬۵۱۸ ۱۵۵٬۵۱۸ و ۱۵٬۵۱۸ هـ ۱۵٬۵۱۸ حـهـ و ۱۵ حـ و ۱۵۸۶ و ۲۵٬۵۱۸ و ۲۵٬۹۱۸ و ۱۵٬۹۲۸ و ۱۵٬۹۲۸ ٥٩١٩ع٠٤, حرود١٩١٥٥٥٠٠ υ٠٢٢٩٥٥ حر١٥٠١٩٩٩ عراد١٩١٥٩٩٩ عراد١٩١٥٠

ωd⁵L^c ἀ⁺Ͻϟ <Λϧ^c) 4°C⁶d^c Δ^cλσCσλσ^cω^c Λ^c4Λδ⁶lσ Λωλ^cΠ, Ċ⁶d Δσ⁺σ4Π^c L⁺5Λ^c1^cσσ^c1Γσ ጋየተበርጶJ೧-፫৯ቦና Δውነበጋና ኦየፅእባኑኦJበቦኈቦኈናኤናር-ኦዛኖኈቦና. ርኑዛጋ ለحጘናርኦዛና ላጋበበርጶፓ ፌዎቴ-አር-ኦዛኤ የ $\Pi J^{c} \Delta b A^{c} T^{c} \Delta \Delta \Delta^{b} d^{c}$. $L P^{c} A d^{c}$. $b \Pi A^{b} \Delta C^{b} \sigma A \sigma C C^{b} A P T D^{b} C C A^{b} d D$.

6104-%Lj526/6-L%Lj526. Old Montreal by horse and buggy.

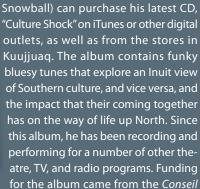
ィッく、"∇っィィィ。rc ccl。e。r."

 $2005\Lambda^{c}\Lambda^{c}$ - D $\sqrt{3}$ $\sqrt{3}$ $\sqrt{5}$ $\sqrt{5}$ $\sqrt{5}$ $\sqrt{5}$ $\sqrt{5}$ 25° 40° 50° 50° 50° ^ւթ৺CDԴUՂ_c $4 \pi^{1} + 6 \pi^$ P ሥ Ј ጋ , የዕውነ ጋ C^{b} ዕላ A ጋ የየዕተት ይበር የርናናው A ጋ የህዝ ምት كاناه من هده ۱۲۵ مان. منه ۱۸۵۶ م $\Delta P 4_{\ell} L P \Gamma P_{\ell} I_{\ell} P_{\ell} = A N_{\ell} P_{\ell} P_{\ell} \Gamma P_$ ۵۰ کا کا کا کا کا کا

 $\Delta b + t^2 L \Delta^b U_a$, $b \cap \Delta^b = a - c - \dot{L}^c = b + c + \dot{L}^b = b + \dot{L}^b = \dot{$

Sinuupa's "Culture Shock"

ans of Kuujjuag troubadour Sinuupa (Edward



des arts et des lettres du Québec, KRG, Avatag and First Air.



the Canadian Museum of Civilization.

with Martha Palliser, look at historical photographs from their community and explore the encyclopedia of Taamusi Qumaq. Their knowledge in identifying animal species from their bones was tested using the bone reference collection. At the Nunavik museum reserve they discovered the art, ethnographic and archaeological collections, and then played different games developed by Julie-Anne Tremblay, the collection registrar. They had to try to identify the time periods for different types of artifacts, and to use the classification codes to find archaeological collections from different communities.



The following days they visited the museum reserves of the McCord Museum of Canadian History and the Canadian Museum of Civilization (CMC), where they met and exchanged with curators and specialists in the preservation of artefacts and the organization of exhibits. They were also introduced to the Aboriginal training program of the CMC. During those visits they had the chance to see some of the most amazing Arctic artefacts ever found in the

Arctic from 4000 years ago to more recent period. They also visited the Redpath Museum and



the archaeology laboratories of McGill University, including a collection of Thule Inuit artifacts and they saw the animal bone collection that included an elephant skull and a zebra skeleton. One of the most important activities was the tour of John Abbott College with Jason Annahatak and visit to the Kativik School Board's residential house there, where they may even stay in the future. Recreational activities were also numerous, including a visit to old Montreal by horse and buggy, an Impact soccer game at the Olympic Stadium, a visit to the Biodome and Insectarium and dinner at a medieval restaurant.

Thanks to Andrew Papigatuk from Avataq's Department of Archaeology, the students had the chance to have all the information in Inuktittut during their trip. This project was made possible with the financial support of Air Inuit, Makivik, Kativik School Board and Avataq Cultural Institute.

Go to: http://www.avataq.qc.ca/en/CURA/Le-projet-ARUC

40°L: < ۵۵' \ Δ Δ' \ δ

۵-۵-۵ کے۔ ۵-۱۵ کا ۲۰ Δ۵-۲۵ کی کا ۵-۱۵ کی ۵-۱ کی ۵-۱۵ کی ۲ کی ۵-۱۵ کی ۲ کی ۲ کی ۲ کی ۵-۱۵ کی ۲ ک

عد ۵غد ۱۵۸ مه اند که ۱۶ مه می

عدد المراج المرا

 A^{\prime} ANALOTIC TO A^{\prime} : A^{\prime} ALIVALOTIC STANDING ALL STANDING STAN

 $\nabla^{\circ}\nabla_{c}$ (9, $^{\circ}\nabla_{b}U_{b}U_{b}$)- Γ_{c}

19816-15 YOUR NO 1991 1991 1991

للمورزي مراهه الماع ١٥١٠ عاد ١٩٥١ عام ١٥٠١ كال مورزية

ردراع ۲٬٬۱۵۰ کو وط۱۵۰٬۲۶۱ دراداع کر٬۱۵۹ کو اوراع کررومان کی اوران کررومان کی اوران کررومان کی اوران کررومان کی ا

۲۶-۲۹۵۱ کفریر (کل): ۲۶-۲۵۵۱۸۵ مولیاندری ۱۶۵۱۸۵ کم

۵غ۲٬۲۵ مع۱۲٬۲۲۱ منزاه ۵۰ده مفوههم ۵غو۲٬۲۷۵۲

᠐᠙᠘᠘᠘᠙᠘᠄

۵۵۵۱، ۱۹۵۵، ۱۹۵۵ می ۱۹۵۵ می ۱۹۵۱ می ۱۹۵۹ می ۱۹

Nunavik Player

Name: Paulussie Sappa Inukpuk

Date of birth: September 13, 1994

Place of birth: Puvirnituq
Home Community: Umiujaq

Favourite people: All circus people

Favourite sport: Volleyball Favourite food: Poutine

Occupation: Student and CIRQINIO

junior instructor

Future goal: To be a loader driver

Most difficult Living without a mother's obstacle to overcome: presence for five years

Pet peeve: People being lazy

$\Lambda^{4}\nabla^{2}\nabla^{3}$ $\Lambda^{4}\nabla^{4}\nabla^{2}$ $\Lambda^{4}\nabla^{4}\nabla^{5}$ $\Lambda^{4}\nabla^{5}$ $\Lambda^{4}\nabla^{5}$ $\Lambda^{4}\nabla^{5}$

\(\lambda \cdot \

Lada o Loren Corbe be Dirly can always a solution of the point of the

 \dot{C}^{\dagger} \dot{C}^{\dagger}



ᡩᡫᠳ᠘ᡊ᠘ᠰ᠘᠙᠘᠘᠙᠘᠘᠙᠘᠘᠙᠘᠘᠙᠘᠘᠙ ᠆ᡄᠣᡄᠰ᠘᠘᠙᠘ᠰ

 $C^{\varsigma}\Gamma$ $\nabla C_{\rho} = \Delta U_{\rho} + \Delta C_{\rho} = \Delta C_{\rho} + \Delta C_$ ∇ C_{ρ} Δ Q_{e} A Q_{e} 4-0%%(U')%5-5 حرۂ د Volume Poco Dedicople ۲۹۹۵۲ νς ο γαθα ۲^۹P – ۱۵ 6-C1410 عمې کړ ۰ ا ۵ و د ∆ baCc-LJc ۹۶ĠJC ᠙᠘᠘ᡶ᠘᠘᠙᠘᠘᠙᠘ $\Lambda^{c} L^{c} \Lambda D C^{c} L \Pi^{b}$ ۵م کا∿۵ ᡃᡖ᠐ᢣ᠘᠙᠐ᡥ᠘ᡄᢇ -۱۱۲۲۲ د- ما∿۵ مو ےمرددلٰ^ر ۵۰مانه عده ۱۲۵۰۱۵ و ۵۰مه ۱۲۵۰۱۵ و ۵۰مه ۱۲۵۰۱۵ و ۵۰مه ۵۰مه ۵۰۸ و ۵۰مه ۵۰مه ۱۲۵۰ و ۵۰مه ۱۲۵۰ و ۵۰مه ۱۲۵۰ و ۵۰مه **ℴ**ℴℴℴℴℴℴℴ $C^{\varsigma}\Gamma$ $V_c + V_c = V_c + V_c$ ∟4 م $\Lambda \sim 2^{6} \ln^{6} J C D C^{6} = 4 J = 6$



Whapmagoostui-Kuujjuaraapik Community Science Centre, Opened

he Whapmagoostui-Kuujjuaraapik Community Science Centre was officially opened on June 14, 2012. This station is the Centre d'études nordique's ("CEN") principal field station and has operated since the 1970s, with diverse research projects on past and present environments. In 2010, major upgrades to the station were undertaken consisting of the construction of this state-of-art Community Science Centre to serve the needs of the circumpolar science community for research planning, information exchange, national research workshops and coordination of field operations, and the local communities for information

exchange, identification of northern research needs, science training of northerners, exchange of traditional knowledge, and outreach activities.

This large research complex is composed of seven buildings, including the new science centre that was inaugurated. This new building has a permanent



display-outreach-teaching component and a conference room seating 50 people, equipped with state-of-the-art audio-visual and Internet support. The station can accommodate up to 34 people at any given time. There is a greenhouse, a kitchen, two garages with storage space, access to vehicles and boats, as well as other field equipment.

The CEN Network, operated by Université Laval, is comprised of nine research stations across the eastern Canadian Arctic and Subarctic and is a national resource that has been built up over the 50-year history of research on northern ecosystems and geosystems. Makivik along with KRG and the Anniturvik Landholding Corporation has signed the Qaujisarvik Agreement with the CEN to increase scientific collaboration in Nunavik.



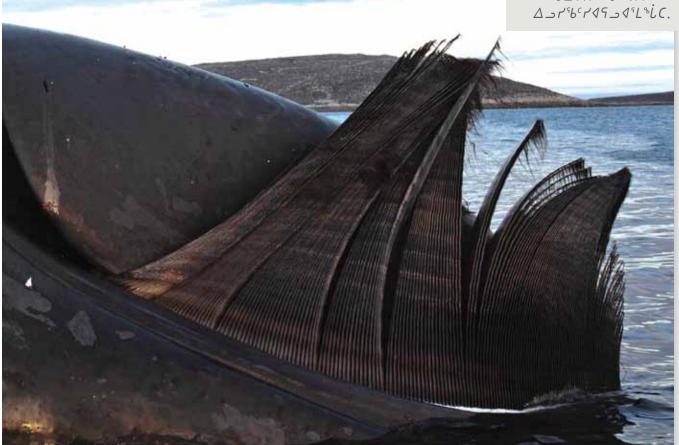


۵۰۵، ۲۰٬۹۹۸ د ۱۹۹۲ و ۱۹۹۲ میری ۱۹۰۶ میری ۱۹۰۹ میری ۱۹۰۹ میری ۱۹۹۸ میری ۱۹۰۹ میری ۱۹۰۹ میری ۱۹۹۸ میری ۱۹۹۸ میری

Growth patterns in a whale's baleen plates also provide information about their age and life history.

 $\Delta^{\text{t}} \Delta^{\text{t}} \Delta$

 Δ^5 b \rightarrow^5 Å^c b+8 Δ^6 P^c +Pe 5 4-



 $\Delta^{4}b = \Delta^{4}$ $\Delta^{5}e^{-1}$ $\Delta^{4}e^{-1}$ $\Delta^{4}e^{-1}$

PJÓº ୯/Oᠪᠻᡬᢀ᠀᠖ᡫᢤ᠂᠙ᢗᡠᡖ. ᡌ᠕᠙ᠳ᠐ᠳ᠙᠉ᡠ᠘ᢣᡗᢥ᠐ᢞ ᠳᢗ᠘ᠳᢪᡆᡣ᠐᠘ᡫᠳᠮᡳ᠘᠐ᡩ᠘᠘ᠳ᠙᠘ᠳ᠙᠘ᠳ᠙᠘ᠳ ومر۵٬۷۵۳ ᠳ᠘ᠻ᠘ᠳ᠙᠘ᠻ᠘ᠳ᠙᠘ᠳ᠙᠘ᠳ

2211 16D75 02°

VCTSVIL VOCCUC

100000 Acres - 1000000

16° 100 DPD 1676 LOLC

16D7590 DA 2906

Arlto. Desre 16976

125<-10-60 DPD6-7-

~ 20-0 D°LC0-

-OQALTC AFDLCYOB.

12°50 76° - 55°

1216-10-60 197169106

1°C + 1 - 2° 2) 2' 2) 1° - 1°.

ኦኖኖ ቴና ቴናሪተራ ጳናቫፓቴናጋልራ ኦሀፊ ኦ^ι ይ^ίር. የሀበልታና Δሬ_ኑቦና ጋየረ-

 3° 3°





-P& +PF+P4*pc





he seasonality of food supply or changing life styles of animals with the seasons results in recognizable growth zones in hard tissues in their bodies. Over the years, biologists have used these parts to estimate the age of these animals.

In shellfish such as scallops and mussels, there are many small lines on the outer shell, but the most reliable method of aging them is to take a thin section out of the *umbo* (hinge) and count the layers in the mother-of-pearl. Staff at the Nunavik Research Centre are experienced at aging hundreds of mussels from various areas of Nunavik. Some slow growing mussels live to be 20 years or more in Nunavik, while others grow fast and are large by three years of age.

Depending on the species either a scale or *otolith* (ear bone) is used to age fish. Charr have small otoliths that are harder to extract from the fish's head. Whitefish, on the other hand, have large otoliths that are more easy to find. The otoliths are sometimes burnt a little to make the lines show up

better. Fish otoliths are very characteristic for a particular fish and can be used to identify the species when found in stomach contents.

Scales also tell a story rather than just age. For instance, scales from salmon caught in the Koksoak River reveal if the fish is a sea-run salmon or an estuarine fish, its age and the number of times it has spawned.

Biologists need to determine the age because often the age structure tells the health of the population.

Teeth are the hardest tissue in a mammal's body. Teeth are thought to have evolved from scales and also contain growth zones that are used to age the animal or get an index of age. Some teeth are easy to age, such as simple beluga teeth. Others, such as caribou teeth, are more complicated. Using a with a diamond tipped saw, we make thin sections (about the thickness of your finger nail) of beluga teeth and count the lines to get an index of age. Often the top of the tooth is worn down so only a minimum age is estimated.



Beluga hunters send us about 70 teeth a year to section and age. Some beluga have more than 50 growth zones in their teeth.

When an animal has no teeth, such as the bowhead whale, biologists have to



Some slow growing mussels live to be 20 years or more in Nunavik, while others grow fast and are large by three years of age.

be more resourceful if they want an age. In the past, the waxy ear plugs of baleen whales has been used. Also the bumps on the baleen plates (although baleen wears with age). With bowheads, some use

the chemical changes in the eye. This method was dismissed for use in the 1970s but has come back into fashion.



Small lines on the outer shell of mussels are a reliable way to determine their age.

Biologists need to determine the age because often the age structure tells the health of the population. Other times they need only a rough idea such as an animal's size. It is interesting to know if animals, such as lake trout, accumulate contaminants with age. The next time you see a tooth, a scale, or a shell, you might wonder what secrets are hidden inside of it.



 $0^{6} L^{6} d^{6} + 0^{6} L^{6} d^{6} + 0^{6} L^{6} d^{6} + 0^{6} L^{6} d^{6} d^{6$





Cirqiniq Summer Camp

Nunavik youth shone at the grand finale of the 2012 Cirqiniq Summer Camp in Kuujjuaq on July 6 when youth from across the region participated in an evening performance, which was preceded by a circus parade. Tight-wire walking, acrobatics, juggling, beat-boxing and more were on the program at the "Planet and Universe" performance. Cirqiniq Summer Camp partners include Ungaluk, Makivik,

Cirque du Soleil, NRBHSS, First Air, Air Inuit, Tamaani Internet, and Nunacell. "The youth at this summer camp impressed us with their creative ideas and their willingness and eagerness to learn new things," said Karin Kettler, advisor for KRG's Arts and Culture Department.





יסטנסרישטטטילי באַזעטט עטנסרייע־נערי אנגפיזי

$$\label{eq:condition} \begin{split} \nabla_{t} & \nabla_{t} \nabla_{$$

Critical Sunscreen

he sun's power is unavoidable for ice fishing and it is the strongest during peak hours of the day, as these Quaqtaqmiut know and prepared for last June 18th. Good sunglasses can prevent snow blindness, but it is also important to wear sunscreen.

There is a misconception that suntans are healthy. If skin is tanned, damage has already occurred and sunburn is a severe response to excessive sun exposure. Be sure to get behind the ears and put a little extra on the nose, which gets the most exposure. We all need to do the best we can to reduce our risk.

