



Oh, sorry when was the last time you had work on the curve gallery? PC: Carly Prawdzik

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GRANT AWARDED TO CELLULAR RESEARCHER AT BU

Alexandra Mackay, Senior Reporter

Assistant Professor of Chemistry, Dr. Vincent Chen, has become Brandon University's 11th active NSERC Discover Grant holder for his research in gap junction ion channels. The channels are responsible for direct communication between cells, the proteins of these channels regulate cellular processes of growth, proliferation, migration, cell death, and survival. The NSERC grant will allow further research in understanding the biochemical pathways of intercellular communication, and how deregulation in the channels is related to cancer, heart disease, and stroke. Chen says, "understanding how tissues of the brain and heart use gap junctions provides critically

important avenues for us to identify new biomarkers and design novel therapeutic approaches to mitigate disease." Dr. Chen has been awarded \$165,000 over the course of five years, allowing for exploration of new pathways in research as they are discovered.

Dr. Chen's funding award has been met with great pride from the BU community. Dr. Heather Duncan, BU's Associate Vice-President of Research comments "I am truly excited by the work being done by our faculty, and am delighted to see the quality of research being recognized by national funding agencies such as NSERC. As teachers, our faculty members are making a real difference in the lives of

our students each day. And, over time, research such as the work being done by Dr. Chen is building knowledge that will help countless others around the world."

NSERC is funding not only funding research of BU professors, but also its students. Master of Science (Environmental and Life Science) student Harald Grove has been granted \$17,500 through the Alexander Graham Bell Canada Graduate Scholarship-Master's Award. The funding spans one year of research into the effect of microRNAs on the metabolism of the greater wax moth. Such study is important because greater wax moths are often used as substitutes for understanding microbial infections in mammals. Dr. Meir

Serfaty, Acting Vice-President (Academic and Provost) at BU says "We take great pride in the research opportunities that we can present to students at Brandon University. The growth of our graduate programs has opened doors for top-notch student research."

Dean of the Faculty of Science, Dr. Bernadette Ardelli agrees that the high-quality research being conducted at BU speaks to the research abilities of smaller universities. Dr. Ardelli says, "I am always proud of those in Science who are able to obtain Tri-Council funding, while the funding is very competitive, students and faculty are successful, which speaks to our dedication and the great work that we do."

FALL GRADUATION

Jenna Murray, Reporter

Fall Graduation occurs the day this issue comes out- October 16th, 2018! This graduation had no ceremony. Congratulations to everyone graduating this October! You did it! Take some time to celebrate before you start stressing about your student debt!

With a graduation coming and going, it brings up super important questions:

Do you know how to apply for graduation? The steps you need to take? Keep reading and you can find out!

To graduate in February of 2019 the deadline to apply is December 14th, 2018. If you want to graduate in May/June of 2019 the deadline to apply is March 22nd, 2019. While there are no ceremonies for graduations in February or October, grads are invited to join the May convocation ceremony.

Students are encouraged

to meet with an advisor or the Chair of their major to make sure their credits are in order. Students must meet the requirements of their Major, Minor, and Liberal Education requirements. You need 90 credit hours for a three-year degree and 120 for a four year. GPA's need to be at a minimum of 2.0 in the major, minor and general areas.

You apply for graduation online and the dates I stated above are on the page you apply on so that's handy to check out! When you apply online you will get an email confirming your application was received, and you keep checking back on the website to see if your application has been approved. All of these things should be something a student is constantly making sure of throughout their degree so there are no surprises at the end! When it comes time to apply for graduation have

someone double check your credits!

To graduate your final grades need to be available and all fees need to be paid. Turns out the university won't let you leave if you owe them money. According to BU's website if you have any outstanding money owed to the University you will not get your degree or transcripts. So, get that shit figured out ASAP if you plan on graduating this year.

Okay, now you've applied, and your request has been accepted, now what?

What do you wear? Grads are required to wear blue caps, blue gowns, a tassel, and the hood in the colours of your department. You need to rent these items from a specific company that Brandon University works with. These items MUST be pre-ordered if you plan on attending your graduation ceremony. This

can be done online and doing it early saves you a ton of stress (it also saves money, if you grab your gown the day of grad it is more expensive). When you come into grad on the day of and you did not order a gown ahead of time, there are a limited number of extra ones, so you may end up with one that is not the correct size. There is also no guarantee there will be enough hoods for your department if you do not pre-order.

Remember you will be sitting in the gym for your ceremony so wear something under your gown that is light, or you are going to be a sweaty mess by the time it is your turn to come up and get your degree.

So, in summary; Check your credits, apply online, and once your application has been accepted ORDER YOUR ATTIRE!

HLC EVENTS

Jenna Murray, Reporter

With a new school year, the Healthy Living Centre is gearing up for another fitness filled year. As I write this article it is the HLC's "Try it free week" which began on the 9th and ends on the 16th. While this event will be over by the time you get to this article dear readers, don't panic- as a student you get to use the gym free year-round (okay, free is a loose term, you paid for it in your tuition). Take advantage and hit the gym!

What's going on at the HLC this year? There are a few different fitness classes that are going on this year: Joga Mondays at 7:00pm, 50+ Club Monday's at

9:00am, 65+ Club Wednesday's at 9:30am, Kickboxing Tuesday's at 7:15pm, Shred and Shine Boot Camp Tuesday's and Thursday's at 6:00pm, Fundamentals of Yoga Monday's at 6:00pm, Yoga Flow Mondays and Wednesdays at 7:00am, and Zumba Wednesdays at 5:00pm. You can register for these classes online or at the HLC, heads up-there is a cost associated with these classes!

What about if fitness classes aren't your thing? Volleyball! On November 23rd the HLC is holding a Block n' Roll Volleyball Tournament. There will be co-ed divisions and wom-

en's division games. According to their website the co-ed half of the tourney is Friday-Saturday while the women's event is Saturday and Sunday. Teams can register online, and the cost is \$200 per team. Teams will play a minimum of 5 games, with cash prizes for the top team in each division.

Are you a team sport person? There are also intramural sports offered at the HLC! Right now, co-ed basketball, co-ed volleyball and co-ed soccer are listed on the HLC website, with the note these are adult, student only teams.

The HLC also offers sport and recreation club.

WEEKLY SPORTS SCOREBOARD

U SPORTS BASKETBALL

MEN'S 12 OCT 2018

BOBCATS VS WESMEN
88 - 85

WOMEN'S 13 OCT 2018

BOBCATS VS WESMEN
65 - 62

MCAC SOCCER

WOMEN'S 13 OCT 2018

BOBCATS VS COUGARS
3 - 0

MEN'S 13 OCT 2018

BOBCATS VS COUGARS
6 - 0

U SPORTS VOLLEYBALL

WOMEN'S 12 OCT 2018

BOBCATS VS BISONS
3 - 1

WOMEN'S 13 OCT 2018

BOBCATS VS BISONS
1 - 3

MEN'S 13 OCT 2018

BOBCATS VS GRYPHONS
3 - 0

MEN'S 13 OCT 2018

BOBCATS VS GOLDEN BEARS
1 - 3

ART GALLERY SHOW: IN THE (K)NOW

Lisa Mizan, Arts Reporter

The Brandon University Fine Arts Students Association (BUFASA) put together the "In The (K)now" show at the Glen P. Sutherland Gallery of Art on the 11th to an enthusiastic crowd of art lovers. The show featured works from current BU visual art students and featured ceramics, acrylic, photography, and various other mediums. Melanie Barnett, the GPS

Gallery coordinator, described the show as a presentation of current concepts and themes the exhibited students are working on. She says "the show explores how and why the students are making art at the moment and is in a sense a contemporary snippet of the entire year."

About fifty guests gathered in the locally run and beloved space for two hours

appreciating the art through wine, cheese, and cheerful conversation. Albyn Carias, a recent BU fine arts graduate, displayed his gratitude to the show by saying how grateful he is students keep exhibiting art at an increasing rate and with more and more guests each year.

My favourites from the show include Brittany Burch's painting of prescription cannabis that explores

her diagnoses with Fibromyalgia, Melanie Barnett's dialectal paintings of what art is and what it is "not" and my own, not to be conceited, of 35mm photographs I took of my friends and colleagues in my home in Winnipeg.

The exhibition is up till the 26th and is open to the public till 6:00pm weekdays.

AWARENESS IN THE MONTH OF OCTOBER

Carly Murkin, Ruler Of Social Media

Aside from the reintroduction of pumpkin spice into everyday life and the airing of cheaply produced horror movies, October has a lot of important days and over arching themes to it, in particular health awareness takes precedence. October is national **Occupational Therapy Month**, a particular branch of therapy "that helps to solve the problems that interfere with a person's ability to do the things that are important to them", one of

the focuses of occupational therapy month is to get more dialogue going and explain the benefits of it as well as pressing for occupational therapy coverage in the workplace. **Rett Syndrome Awareness Month** also takes place in October. Rett Syndrome is a neurodevelopmental condition that affects the ability to communicate through speaking and hand use, as well as other medical conditions.

Specific times dedicated

to a theme or event in October include **Mental Health Awareness Week** which took place from October 1st to 7th. Focused on raising awareness for mental health issues and reducing the stigma around it, dialogue has been a priority in the previous years. **World Mental Health Day** took place on the 10th.

HPV Prevention Week was October 1st to the 7th, focusing on education around sex and safe practices, as well as the infection

itself and how to recognize it and prevent it.

Respiratory Therapists Week is from the 21st to the 27th, focusing on "Advancing the Profession" this year, looking at how practitioners have impacted the health of the public.

World Sight Day was October 10th, advocating for the "right to sight", dealing with prevention and increasing access to eye-care in order to lower chances of vision issues.

Some more days in-

clude: **World Arthritis Day** on October 12th **Pharmacy Technician Day** is October 16th, along with **World Spine Day, National Psoriatic Arthritis Day** on October 19th and **International Stuttering Awareness Day** which is October 22nd.

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REVIEW OF THE WEEK: MUSICAL GENIUS NUJABES

Noah Monk, The Poet

Often when browsing on YouTube, people will come across a mellow, or anime gif with “Lo-Fi hip hop” next to it. Perhaps to most of us the familiar jazz hip hop beats are quite common, and relaxing. However for the genre of lo-fi hip hop or jazz hip hop, it would not be what it is today without the rumoured founder, Jun Seba, Nujabes.

Notorious for using samples from jazz and hip hop, Nujabes would create atmospheric music instrumentals unlike most people had ever heard before. Nujabes’ s mu-

sic started to become more well known, because of the critically acclaimed anime Samurai Champloo, which he was the prominent artist of the soundtrack. Nujabes was also the founder of a record label known as Hydeout Productions which featured some music artists such as Uyama Hiroto and Cise Starr.

On top of creating atmospheric and soulful beats that reach the hearts of listeners, Nujabes collaborated with many Japanese artists and rappers. One of Nujabes’ s popular albums Luv (sic) parts 1-6, features rappers like Shing02

and Cise Starr as the main contributors. One of Nujabes’s most popular songs, Feather, has reached about 13 million views on YouTube, despite not being as well known as Mozart, or Biggie Smalls. To put that number in perspective, the Michigan Stadium has about 100,000 seats, so this would mean, you would need 130 stadiums to fit 13 million people.

To this day, Nujabes still continues to influence todays lo-fi hip hop artists like DJ Okawari, Uyama, etc. Even though he died in a tragic traffic accident in 2010. Many

tributes are still being done for Nujabes, as well as other popular songs now being done in “Nujabes style” or “Nujabes blend”. Some examples are, Book of Rhymes by Nas (Nujabes Blend), and I Got A Story to Tell by Notorious B.I.G. (Nujabes style). Some will even go so far to say that he has influenced new emerging hip hop artists like Joji, and Elijah Who.

If you would like to discover the beats of Nujabes, I recommend, Voice of Autumn, Feather, or my personal favourite, Another Reflection.

Dear Quintilius,

The greatest empire in history is indubitably the Roman Empire but what is the fourth greatest empire?

Sincerely, Empires Fanatic

Dear History Buff,

In order to do this properly we would have to set some criteria as to how we define greatest. If we are talking about land mass we may refer to the British empire or Mongol empire, if we are talking longevity we may refer to that of Japan or the Byzantine empires. However if we are talking about strictly awesomeness then yes Rome would be the greatest but I’m not responding to you to toot my own horn.

I actually have my own scale on how awesome I rate an empire and therefore how I interpret how great it is. First you must consider if the empire has some mythological legend behind it, for example the stories of my cousins Romulus, Remus and aunty Lupa. If a place has some sort of legend behind its founders then you know just how awesome its going to be!

Second, how many asses did it kick? Rome kicked asses from a wide variety of peoples, it is literally too many for you to fathom so I won’t tell you all of them I will just remind you of the city of Carthage and the puny Punic.

Third, did they make money in an unsavoury way? Rome imprisoned millions and sold slaves like crazy! Rome waged all sorts of brutal wars (which may be classified as genocide), in order to continually grow its borders and wealth. Taxes? Ugh hell ya everyone is going to pay those inside our borders and people outside will pay tribute.

Fourth, epic leaders who ruled them. Rome had the great minds of Augustus, Trajan, Aurelius and even the bad guys went nuts! Nero, Caligula, Caracalla, talk about some epic dudes!

With this list and criteria in mind I can clearly say by default that the fourth greatest empire would be the Persian empire.

All Salute The Eternal City, Quintilius of Rome

CONCERT REVIEW: PIGS, CANADA’S PINK FLYOD

Robert Killam, Amateur Concert Attendee With Limited Knowledge Of ‘Good’ Music

This past weekend the city of Brandon was fortunate enough to have bestowed upon it the presence of the legendary “Pink Floyd.” The one man show was a huge hit where Floyd wrestled pigs, flamingoes and any other pink animal he could find. Floyd of course being famous for his love/hate relationship with pink things put on an excellent show and anyone interested in taking drugs to see his show, well I recommend that as the only way you do it. Oh, never mind, cancel my last. I’m getting word from my team, that is not in fact what Pink Floyd is and that I in turn need to “Get Woke.” It appears I was very confused as to what exactly was expected at this kind of event.

Hi, Rob here, your friendly neighbourhood writer guy, informing you what the talk of the town was all about over the weekend at the Western Manitoba Centennial Auditorium. At the forefront of cool stuff happening was the PIGS concert. I was lucky enough to sit down with one of the band members, Josh (super cool dude) and find out some information from the band and what they are all about.

PIGS is a tribute band from out in Victoria BC who specialize in music by Pink Floyd. The band is on their second cross Canada tour called “Outside/In” and is making their way east for their next stop in the tour. This tour is focused on the Pink Floyd album “Dark

Side Of The Moon,” but also features several other solo songs Pink Floyd had released.

The band was formed in 2008 and has been perfecting the songs of Pink Floyd ever since. Why play Pink Floyd you ask and why turn it into a way of life? Well this was in part due to a shitty tribute band who besmirched the name of Pink Floyd and had to be stopped. (Not 100% but basically the band first got together to create genuine sounding Pink Floyd music.)

Although some members joined within the past 5-6 years, two members of the band were originals and one member was just entering their third show.

The band strives for au-

thenticity and follows note for note what Pink Floyd sounded like. One pleasantly surprised fan was overheard saying that their work was almost identical to the album. When asked what the most difficult song to play was Josh replied “The simplest songs are some of the most difficult.” He goes on to state how hard it is to keep your own music out of it and strictly play Pink Floyd the way Pink Floyd is meant to be heard for fans.

PIGS will hopefully be coming back to Brandon next year in order to do another concert. After being so well-received by the Westman area this time, it only makes sense. This is a must see show for any fans of Pink Floyd (or lovers of cool light shows).



L.A. Bonté



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PRO SERIES CONCERT SCHEDULE

Julia Tan, Reporter

Over the course of a semester the music professors, students and special guests host a variety of different events and concerts for the community.

The 2018-2019 season marks the Brandon Chamber Players' 20th anniversary—two decades of unforgettable evening filled with time-honoured masterpieces and newly composed gems, performed by some of Canada's most esteemed musicians.

Locations and Musicians.

BCP—Brandon Chamber Players.

KUC —Knox United Church.

LLCP—Lady of the lake Café and Pub.

LWRH—Lorne Watson Recital Hall, Brandon university School of music.

NMF—New music festival.

TMS—The music studio, 940 Rosser avenue.

WMCA—Western Manitoba Centennial Auditorium.

WSO—Winnipeg Symphony Orchestra.

2018

Tuesday, October 30th, 7:30pm Pro Series: Eve Egoan, LWRH.

Monday, November 5th, 7:30pm Pro Series Subscribers: Ethan Ardelli, TMS.

Tuesday, November 20th, 7:30pm BCP: Lieding Man, LWRH.

Tuesday, November 20th, 7:30pm Pro Series: Amy Hillis, LWRH.

Sunday, November 25th, 3:00pm Holiday Tour, WMCA.

Tuesday, December 4th, 8:00pm Pro Series: Canzona, Pacific Baroque Orchestra, KUC.

2019

Tuesday, January 22nd, 7:30pm BCP: Matt Stecker and Friends, LLC.

Tuesday, January 29th, 7:30pm Pro Series: Ensemble Made in Canada, LWRH.

Sunday, February 10th, 3:00pm WSO: Cameron Crozman, 'cello WMCA.

Tuesday, February 12th, 7:30pm Pro Series: The Faculty Concert, LWRH.

Tuesday, February 26th, 7:30pm Pro Series: Yuri Hooker, LWRH.

Tuesday, March 5th, 7:30pm Pro Series: Jeremy Dutcher, LWRH.

Tuesday, March 12th,

7:30pm BCP: "That's All Folks!" LWRH.

Tuesday, March 19th and Wednesday March 20th, 7:30pm NMF: Megumi Masaki and Guests, LWRH.

The Pro Series Foundational Information:

Single tickets \$15 Adults \$12 Students, Seniors & Alumni.

Subscriptions \$75 Adults \$40 Students, Seniors & Alumni.

Brandon Chamber

Players Single Tickets \$40 General admissions \$15 Students.

Subscription \$120 General admission \$40 Students.

Admission to the Ethan Ardelli concert at the Music Studio is free to BU music students and pro series subscribers only, as seating is limited.

Admission to all new music festival concerts is free.



Queen Elizabeth II, Music Building. PC: Brandon University Website

CHRIS HADFIELD: THE LEGEND IN TOWN

Noah Monk, Super Excited Reporter

Chris Hadfield came into town this past weekend to speak for the 50 year homecoming for the class of 1968-1969. The event went on fabulously as people from across the province coalesced to meet the retired Colonel. The Canadian legend began his speech with a story about astronauts Neil Armstrong

and Buzz Aldrin, and how during their mission in space, complications arose with their landing zone. They would be unable to land there, so quick thinking Neil, grabbed the manual control of the spaceship and landed the ship at a location they saw in a distance. When Neil landed the spaceship, he only had

16 seconds of fuel left in the tanks. One can only imagine how intense these precious seconds would have been for the space explorers!

This moment was a revelation for the young Chris Hadfield. "If Neil can do that then, what could I do? You know? Maybe I can do something like that. That's what I want to do. I want to fly in space. It's not possible yet." – Chris Hadfield

One of the most interesting parts of his presentation was when Hadfield talked about the time he had to send two astronauts outside in space to fix an ammonia

leak on the International Space Station. In order to keep their mission from being compromised the leak had to be fixed without even a day to prepare for the dangerous space walk. Chris said that he had been preparing his team for any sort of trouble, for 5 years in case something did go wrong. "Things go wrong all the time." One golden piece of advice Colonel Hadfield gave, was that we should never hope, or cross our fingers that something will go well. He said we should be competent and utilize our time appropriately to prepare for things to go wrong, so when issues arise we're not caught up creek without a paddle.

Colonel Hadfield also emphasized on the important point that we should educate ourselves and teach

at least one person some of the valuable knowledge we have to pass on. We all owe it to one other person to teach them. He then quoted the poet Mary Angelou, "If you earn, then share. If you learn, then teach." Hadfield says it is important that we all find a way to share the amazing experiences to other people and the world, because "Impossible things do happen."

After Colonel Hadfield finished a short Q and A, he picked up his guitar and played David Bowie's A Space Oddity to finish off the speech. Leaving the audience with a memory that will reside inside them for the rest of their lives. For me, personally, it was one of the best songs I have ever seen performed or heard live in my life.



Col. Chris Hadfield. PC: NASA, BU Website

CITY COUNCIL....WHAT DO THEY DO?

Donnovan Hillman, Assistant Editor-in-Chief

Last week, we discussed who will be the Mayor for the City of Brandon for the next four years. Rick Chrest, who currently holds the Office of the Mayor, was the only individual who put his name in the hat for the mayoral race in the 2018 Brandon municipal elections. Due to this fact, he was elected Mayor through acclamation. However, while the Mayor of the City is the head of council, he isn't the only member. Indeed, there are ten councillors in the City of Brandon, each with a specific ward in the City. Today, we will look at what City Councillors actually do and who is running for the councillor positions in each of the ten wards.

Unlike the federal and provincial governments, being a municipal politi-

cian in the City of Brandon is not a full time job. While it's true that in larger urban centres, being a City Councillor is considered full time employment, most municipalities across the country consider their councillors as part time or even casual. To become a City Councillor, one must be elected. Every four years, in the month of October, municipal elections are held where citizens vote for their Mayor and City Councillors. With the City of Brandon adopting a ward system, an individual will only vote for the City Councillor in the ward they reside in. Once elected, that particular City Councillor will represent their ward for the next four years.

A City Councillor in Brandon has a variety of duties and responsibilities. The primary obligation is

to attend council meetings, hosted at city hall, and represent their ward. A Councillor is to participate in the development and evaluation of City policies and procedures as well as debate and adopt by-laws that assist in the safety and security of both citizens and property within the City. To accomplish these tasks, Councillors sit on a variety of committees and boards, on top of being a member of City Council. These boards cover a wide range of issues and programs within the City of Brandon. Examples include the Age Friendly Committee and the Brandon Police Board.

Remember that election day is approaching quickly. On October 24th get out and vote for the candidate you feel would best represent your ward.

Jan Chaboyer of Ward 10 and Shawn Berry of Ward 7 have been acclaimed. However, all the other remaining wards are contested. If you have questions regarding the 2018 Municipal Election you are advised to contact the Senior Election Official, Melanie Powers. The SEO can be reached at 1-204-729-2236 or by email at brandonvotes@brandon.ca.

2018 City Council Candidates:

Ward 1- Assiniboine
Jeff Fawcett
Jeff Plas

Ward 2- Rosser
Kris Desjarlais
Glen Kruck

Ward 3- Victoria
Barry Cullen
James Montgomery

Ward 4- University
Shawn Cameron
Karen Peto

Ward 5- Meadows-Waverley
John LoRegio
Gordon McRae

Ward 6- South Centre
Nick Brown
Bruce Luebke

Ward 7- Linden Lanes
Shawn Berry- Acclaimed

Ward 8- Richmond
Ron Brown
Ron Cayer

Ward 9- Riverview
Brock McEwing
Glen Parker

Ward 10- Green Acres
Jan Chaboyer- Acclaimed

ELEMENT 120 AND THE ISLAND OF STABILITY

Noah Monk, Science Reporter

Since the early 2000s a team of chemists/nuclear physicists have been synthesizing new elements using a particle accelerator. With the latest element being created being element 118, Oganesson, named after the discoverer of the element, Yuri Oganesson. Even just creating these elements is a big deal. Think of it this way, one of the most powerful things in the universe, stars, which literally are the gods of the universe, are they not capable of creating any of these elements. What an achievement that mere 6ft life-forms have completed, putting the stars to shame.

In Dubna, Russia, a new particle accelerator known as the "Super Heavy Element Factory" has finished being built. The first trials, or experiments are set to begin this year. The ac-

celerator will be trying to create elements 120 and 119, and thus starting the eighth row on Mendeleev's periodic table.

The main problem of creating elements 120 and 119, is that they require different target atoms and beam atoms. The target area has gotten drastically smaller, thus requiring new technology to be developed to prevent overheating from the stream of beam atoms. The probability of creating elements 120 and 119 have also gotten significantly lower than before and scientists are not entirely sure if these elements can be synthesized.

However, element 120 may have an intriguing property. The main problem with a lot of these super heavy elements is that they decay in milliseconds, which makes it hard to measure,

or determine the chemical properties of the elements. Element 120 might be the start of the next "Island of Stability." This is where super heavy elements may decay in days or maybe even millions of years.

The "Island of Stability" is prediction of when a set of heavy nuclei have a magic number of protons and neutrons that temporarily reverse the trend of decreasing half-life for elements larger than Uranium. Currently, it is hypothetical whether there is an island of stability around or starting at element 120. Even still, starting a new row on the periodic table will be a phenomenal, and if the island of stability exists then this will be a major breakthrough in chemistry and nuclear physics.

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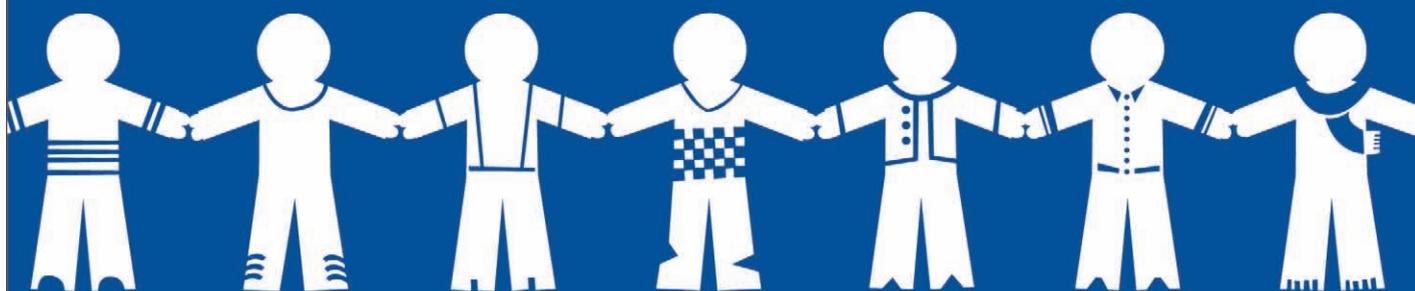


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