

From: [Redacted] Redacted under s.9(2)(a)
To: [FutureofMoney](#)
Subject: Re: Cash
Date: Friday, 26 July 2024 2:49:23 am
Attachments: [Screenshot \(3758\).png](#)
[Screenshot \(3763\).png](#)

feedback submission on Digital cash

To whom it may concern.

Digital cash which is a CBDC (Central bank digital currency) so we actually know what we are really talking about in a transparent way and not a PR Marketing campaign to Rename CBDC to the public in a more appetizing way.
Most people think of cash as being physical.

Having previously submitted to the reserve bank on the future of cash (the physical type) and this topic naturally following on in the process.

Firstly, I would like to voice my concerns about CBDC /digital cash due to its inherent weaknesses and vulnerabilities.

In a fast-ever-changing unstable world. These could be due to (links included.)

1/ A Miyake or Carrington type event (Miyake event being 80x plus estimated stronger than the Carrington) space weather. Affecting anything electrical. Geomagnetic storms affecting. Electricity grids, cell towers, satellite, infrastructure etc

[How a Massive Solar Storm Could Wipe Out Modern Technology : ScienceAlert](#)

[Large solar storms can knock out electronics and affect the power grid – an electrical engineer explains how - CBS News](#)

[Solar storms cause headaches for farmers as tractors, GPS malfunction \(usatoday.com\)](#)

[Extreme space storm upgraded to most serious category, Transpower issues NZ 'grid emergency' notice again - NZ Herald](#)

This was not a powerful event such as the Carrington (x80) or Miyake events.

['Extreme' solar storm impacts NZ, power grid emergency declared \(1news.co.nz\)](#)

[Major geomagnetic storm lights up parts of New Zealand | RNZ News](#)

[A solar storm like the Carrington Event could knock out the Internet \(astronomy.com\)](#)

[May solar superstorm caused largest 'mass migration' of satellites in history | Space](#)

[Ancient superpowered solar storm that hit Earth 14,000 years ago is the 'biggest ever identified' | Live Science](#)

[SpaceX loses 40 satellites to geomagnetic storm a day after launch \(bbc.com\)](#)

[20 satellites fall from sky after catastrophic SpaceX rocket failure, triggering investigation \(msn.com\)](#)

[List of solar storms - Wikipedia](#)

[Solar Weather Dynamics and the US Economy: A Comprehensive GVAR Perspective | Review of Quantitative Finance and Accounting \(springer.com\)](#)

[Study of an Inter-Planetary Magnetic Field \(IMF\) Intensity during Space Weather](#)

[Disturbances | International Journal of Innovative Research in Technology and Science \(ijirts.org\)](#)

[Solar storm douses Mars in radiation as auroras flicker in the Red Planet sky \(video\) \(msn.com\)](#)

[NASA watches Mars light up during epic solar storm \(msn.com\)](#)

[Space weather forecasting needs an upgrade to protect future Artemis astronauts | Space](#)

[Vivid auroras light up Aotearoa's skies again, more expected in 2024 and 2025 | Newshub](#)
[On the Influence of Space Weather on the Global Electric Circuit, with Relevance to Weather and Climate by Brian Tinsley :: SSRN](#)

[Power outage in Christchurch leaves more than 1500 homes freezing as temperatures plunge to the negatives \(msn.com\)](#). Power supply.

[Large solar storms can knock out electronics and affect the power grid – an electrical engineer explains how - CBS News](#)

Today, a geomagnetic storm of the same intensity as the Carrington Event would affect far more than telegraph wires and could be catastrophic. With the ever-growing dependency on electricity and emerging technology, any disruption could lead to trillions of dollars of monetary loss and risk to life dependent on the systems. The storm would affect a majority of the electrical systems that people use every day.

[Study reveals major impacts of G5 - Extreme geomagnetic storm on satellite operations in May 2024 - The Watchers](#)

[Scientists preparing New Zealand's defences against solar tsunami threat | Newshub](#)

[Transpower restores power circuits after weekend emergency put in place for geomagnetic storm | Newshub](#)

Sure, there are expensive shielding, techniques, faraday cages etc that can help protect/mitigate against some solar storms/ EMP'S etc but since we have not experience one of the magnitudes of the Carrington or Miyake events in the modern digital world that remains to be seen how effective they are.

most infrastructure/ devices are vulnerable in some way, Would all your money be 100% secure or could an act of God event see it vanish into thin air?

NB with earth's magnetic field weakening before we have magnetic reversal increases the Risks as well from solar events.

2/ WARS...the use of EMP (ELECTROMAGNETIC PULSE) attack Weapon or other electronic warfare. like MICROWAVE OR DIRECTED ENERGY WEAPONS etc. not forgetting nuclear war.

[The Artificial Intelligence Era Faces a Threat from Directed Energy Weapons | Scientific American](#)

[electromagnetic warfare high-power microwave weapons effects | Military Aerospace](#)

[Cyberattacks on Satellites \(lse.ac.uk\)](#)

[Anti-satellite weapon tests to disrupt large satellite constellations | Nature Astronomy](#)

3/ Natural disasters. Climate change.... earthquakes, tsunamis, flooding, cyclones, hurricanes, volcanic eruptions, asteroids. Etc, causing infrastructure failures, internet, electricity grids, cell tower services etc

[How New Zealand is preparing for catastrophic earthquakes, tsunamis – The Front Page - NZ Herald](#)

[Tonga volcanic eruption: Looks like worst-case scenario for islands' internet cable - NZ Herald](#)

[Geomagnetically Induced Current Modeling in New Zealand: Extreme Storm Analysis Using Multiple Disturbance Scenarios and Industry Provided Hazard Magnitudes - Mac Manus - 2022 - Space Weather - Wiley Online Library](#)

[Why did New Zealand's cellphone network fail so fast? | The Spinoff](#)

[Cyclone Gabrielle: Gisborne Highway bridge a mangled wreck as residents without communication after massive destruction to lines - NZ Herald](#)

[Cyclone Gabrielle: Chorus reveals scale of East Coast fibre devastation, telcos fly in mini towers, satellite gear - NZ Herald](#)

4/ Cyber- internet attack / Hacking / software upgrades. (CrowdStrike) causing system problems possible Data corruption/erasing and Ransom demands. also, the possibility of bringing down the internet and also in part or all the global financial system.

Any system CAN BE HACKED. including data centres and cloud services.

Would all your money be 100% secure or could an act of God event see it vanish into thin air?

[Looming digital doomsday makes CrowdStrike meltdown look like child's play \(msn.com\)](#)

[Natanz cyberattack: How Stuxnet worm took out Iranian nuclear facility in 2010 \(9news.com.au\)](#)

Crowd Strike to Cost Fortune 500 \$5.4 billion

[In the News - Parametrix - Cloud Insurance \(parametrixinsurance.com\)](#)

[Fortune 500 firms to see \\$5.4 bln in CrowdStrike losses, says insurer Parametrix | Reuters](#)

[Experts explain what caused major global IT network outage \(1news.co.nz\)](#)

Technology experts say today's global IT outage highlights the "fragility of our heavily digitised world".

[MediSecure reveals 12.9 million Australians had personal data stolen in cyber attack earlier this year \(msn.com\)](#)

[Hackney Council blasted over cyber attack that saw 'deeply personal information' stolen by hackers \(msn.com\)](#)

[Microsoft, CrowdStrike outage: Global IT outage affects airlines, banks, supermarkets and hospitals across the US, Europe, Asia \(9news.com.au\)](#)

[Student made £45,000 from cyber-attack software while living with his parents \(msn.com\)](#)

Supply chains affected, including food supply

[CrowdStrike IT outage: Kiwi retailers' relief as systems return, delays expected for online deliveries - NZ Herald](#)

[Slow recovery from IT outage begins as experts warn of future risks | Microsoft IT outage | The Guardian](#)

[CrowdStrike glitch: NZ cyber experts warn of scams and phishing | RNZ News](#)

New Zealand cyber experts are warning Kiwis to watch out for scams following [Friday's CrowdStrike IT outage](#).

Cyber criminals have reportedly been trying to take advantage of Friday night's global IT collapse, when an update to software run by US cyber security firm CrowdStrike caused chaos, leading to cancelled flights and internet banking disruption across the world.

5/ Artificial intelligence. with the ability to outsmart any system. Coupled with the criminal or tyrannical element this could cause major problems.

[Looming digital doomsday makes CrowdStrike meltdown look like child's play \(msn.com\)](#)

6/ Poorly made, unshielded easily damaged, vulnerable electronic consumer devices with deliberate planned obsolescence in mind for the as the end user. this coupled with the other vulnerabilities of a CBDC / digital cash system will have many questioning its overall safety.

7/ Digital cash/ CBDC essentially puts or centralizes the power of your money in the hands of a few who controls/ influences the new CBDC system. so, the ordinary person is not in reality really in control of their own money unlike physical cash.

[CBDC Will Hopefully Replace Cash, 'Be 100% Digital': WEF Panel \(sociable.co\)](#)

[\(4\) Open Forum: The Digital Currencies' Opportunity in the Middle East - YouTube](#)

Digital cash/ CBDC'S systems dovetails into the WEF global governance

Narrative agenda listed on their WEB site. including blockchain and digital identity, which will include Biometrics and profiling of individual citizens. Seems more about utter control, including the banking system

[Strategic Intelligence \(weforum.org\)](#) and [Strategic Intelligence \(weforum.org\)](#)

Screenshot (447).png



image.png



As reported Banks are presently willing to 'coerce' customers into going cashless. [Banks are willing to 'coerce' customers into going cashless | news.com.au — Australia's leading news site](#)

So, if some banks are willing to coerce people into going cashless presently then then if you look at the world agenda of not giving people the future option of using cash or reducing the amount of cash by ever decreasing amounts over time then what's to say that the reserve bank of NZ / government will not do the same over time and outlaw cash in favour of digital cash/CBDC. Putting all their eggs in a digital basket. I think it would be NAIVE TO THINK THAT THIS MAY NOT HAPPEN especially when we hear *Augustin Carstens* from the BIS

(BANK OF INTERNATIONAL SETTLEMENTS) saying

[BIS - Cash vs CBDC to 'permission' how your money will be spent, to track & enforce this aspect \(youtube.com\)](#)

"We don't know who's using a \$100 bill today and we don't know who's using a 1,000 peso bill today. The key difference with the CBDC is the central bank will have absolute control on the rules and regulations that will determine the use of that expression of central bank liability, and also we will have the technology to enforce that."

Also, Bo LI from the IMF (international monetary fund)

Li states:

"...CBDCs can allow government agencies and private sector players to program, to create smart contracts, to allow targeted policy functions. For example, welfare payments, for example consumption coupons, for example, food stamps, by programming these CBDCs can be precisely targeted for what people can own and for how the money can be utilized. "

[Why CBDCs Can Be Bad: IMF Official Says Governments Will Be Able To Control Spending By Consumers | Crowdfund Insider](#)

[CBDC Can Allow Programmability, says IMF Deputy Managing Director Bo Li \(youtube.com\)](#)

so geofencing of individuals is a real possibility

It is no stretch of the imagination that under a Totalitarian type of control of a government approach, actually seen during the Covid era in Canada where Truckers protesting against the government had their bank accounts Frozen, so going on that the same or worse case scenario could happen under CBDC'S/ Digital cash system.

[Canada Ends Its Freeze on Hundreds of Accounts Tied to Protests - The New York Times \(nytimes.com\)](#)

So, this could really be turning into a Human rights/ privacy issue regarding people's own money if this heads down this path of a total control tool touted by people at the WEF.IMF and IBS

The Need for a law protecting individual peoples against government overreach in a free and fair democratic society. This is further emphasised by the de-banking scandal of UK Politician Nigel Farage.

[UK watchdog steps into row over 'debanking' of Nigel Farage | Reuters](#)

Plus, the Fallible UK Post office Horizon computer system scandal.

[British Post Office scandal - Wikipedia](#)

Noting Aggressive customers during the recent IT outage by CrowdStrike. [Retailers cop 'aggressive customer behaviour' during outage \(1news.co.nz\)](#)

In conclusion, the RBNZ can promote and talk up the advantages of digital cash /CBDC all you like, but at the end of the day it has vulnerability/weakness issues which is a massive negative in todays climate, not to mention the very troubling and questionable total control, Surveillance, privacy aspect of it all.

If we had a major problem occur, like the ones i have listed, or even more than one at the same time, which seems highly likely in certain situations.

In this fast-changing unstable world we are living in presently, It would not take much to throw society out of balance and into societal crisis and possible lawlessness could follow. If cash was widely circulated, promoted and used, then this may be mitigated as financial transactions could continue between people and businesses, much like it did during WW2 as they picked up the pieces. But If people are unable to Buy food due to digitally Vulnerability problem(s), and with no or little cash, law and order and the fine balance of society could break down quickly over a

matter of a few days to a week. So, I say no to DIGITAL CASH/ CBDC SYSTEM as we already have CBC'S etc and Physical Cash in place.

Unfortunately, some retailers are now refusing physical Cash which needs to be addressed by the reserve bank and the Government. Safeguarding its use and being accepted by businesses as payment.

Thank you for the opportunity to give feedback on an important topic.

regards

Angus

On Sat, May 11, 2024 at 3:40 PM Angus Craig [Redacted under s.9(2)(a)] wrote:
UPGRADED.....[G5 Conditions Observed! | NOAA / NWS Space Weather Prediction Center](#)

[Extreme space storm upgraded to most serious category, Transpower issues NZ 'grid emergency' notice again - NZ Herald](#)

THIS IS A CONTINUATION ON MY THREAD TO MY PREVIOUS SUBMISSION ON THE FUTURE OF CASH....i WILL BE PUTTING IN ONE ON YOUR DIGITAL CASH submissions which you just listed a few days ago.

On Sat, May 11, 2024 at 1:29 AM Angus Craig [Redacted under s.9(2)(a)] wrote:



spaceweather.com

News and information about the Sun-Earth environment

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EARTH TO SKY

Current Conditions

Solar wind

speed: 409.6 km/sec
 density: 1.94 protons/cm³
 more data: [ACE](#), [DSCOVR](#)
 Updated: Today at 1240 UT

X-ray Solar Flares

6-hr max: X3 0654 UT May10
 24-hr: X3 0654 UT May10
 explanation | more data
 Updated: Today at: 1245 UT

Daily Sun: 10 May 24



Expand: [labels](#) | [no labels](#) | [Carrington](#)

Giant sunspot AR3664 has a 'beta-gamma-delta' magnetic field that harbors energy for X-class solar flares. Credit: SDO/HMI

Sunspot number: 170

What is the sunspot number?
 Updated 10 May 2024

Spotless Days

Current Stretch: 0 days
 2024 total: 0 days (0%)
 2023 total: 0 days (0%)
 2022 total: 1 day (<1%)
 2021 total: 64 days (18%)
 2020 total: 208 days (57%)
 2019 total: 281 days (77%)
 2018 total: 221 days (61%)
 2017 total: 104 days (28%)
 2016 total: 32 days (9%)
 2015 total: 0 days (0%)
 2014 total: 1 day (<1%)
 2013 total: 0 days (0%)
 2012 total: 0 days (0%)
 2011 total: 2 days (<1%)
 2010 total: 51 days (14%)
 2009 total: 260 days (71%)
 2008 total: 268 days (73%)
 2007 total: 152 days (42%)
 2006 total: 70 days (19%)
 Updated 10 May 2024

Thermosphere Climate Index

today: 21.38x10¹⁰ W **Warm**
 Max: 49.4x10¹⁰ W **Hot** (10/1957)
 Min: 2.05x10¹⁰ W **Cold** (02/2009)
 explanation | more data: [gdx](#), [tdi](#)
 Updated 09 May 2024

The Radio Sun

4.7 MHz 100% A3000
 Updated 09 May 2024

What's up in space

Friday, May. 10, 2024

This is an AI Free Zone!

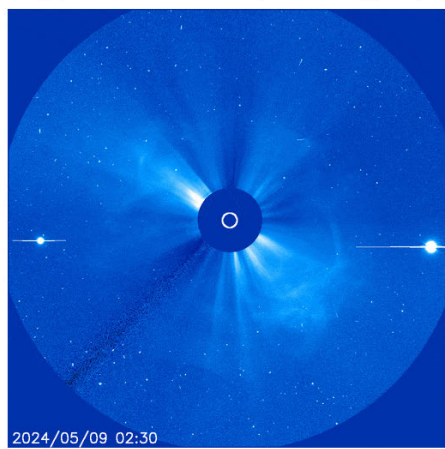
Text created by Large Language Models is spreading rapidly across the Internet. It's well-written, artificial, frequently inaccurate. If you find a mistake on Spaceweather.com, rest assured it was made by a real human being.

ARE WE ABOUT TO EXPERIENCE A NEW CARRINGTON EVENT?

No. AR3664 is indeed a 'Carrington-class' sunspot, but the CMEs it hurled toward Earth over the past few days are not as potent as the monster CME of Sept. 1, 1859. NOAA says we might experience a severe geomagnetic storm when the CMEs arrive this weekend. If geomagnetic storms were hurricanes, 'severe' would be category 4. The Carrington Event was category 5 or greater. So this is no Carrington Event. Even so, category 4 is pretty intense—if it happens. Stay tuned for some great auroras! [Aurora alerts: SMS Text](#)

FIVE CMEs ARE HEADING FOR EARTH:

Great sunspot AR3664 has hurled an astonishing five CMEs toward Earth. They're all in this frenetic 2-day coronagraph movie from the Solar and Heliospheric Observatory (SOHO):



2024/05/09 02:30

The two bright objects are Jupiter (left) and Venus (right). The CMEs will miss those planets and hit Earth instead.

According to a NOAA forecast model, the first three CMEs could merge for form a "Cannibal CME." Cannibal CMEs form when fast-moving CMEs overtake and gobble up slower CMEs in front of them. Internal shock waves created by such CME collisions do an good job sparking geomagnetic storms when they strike Earth's magnetic field.

The Cannibal CME is expected to arrive on May 11th. It alone could spark a strong (G3) geomagnetic storm. With two more CMEs following close behind, storm levels could become extreme (G4), sparking auroras at mid- to low-latitudes across Europe and the USA.

Don't miss the storm! Sign up for [Space Weather Alerts](#) to receive instant

archives

May

10

2024

view

THE NORTHERN LIGHTS COMPANY

AURORA CHASING EVERY NIGHT OF YOUR TRIP IN NORWAY

REMOTE ASTROPHOTOGRAPHY

YOUNG'S PHOTO GALLERIES

Atlas of Solar Eclipses 2020 to 2045

MDJ

Camp under Sahara stars on

Enchanting MOROCCO

Morocco Tours: Unleash your inner adventurer!

AURORA ADVENTURES IN ABISKO

LIGHTS OVER LAPLAND

AvertedImagination

Society for Popular Astronomy

STARGAZING FOR EVERYONE

Helping UK amateurs since 1953

AvertedImagination

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[Bountii Coupons](#)
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 Tarkista Lumi kasino Suomen paras online-kasino
 Play [real money online casinos](#) in the USA
 Live dealer table: [Blackjackcity casino](#)
 Finding the [best online casinos Australia](#) can be challenging. That's why [bestaustraliaslots.com](#)



[SpaceWeather.com -- News and information about meteor showers, solar flares, auroras, and near-Earth asteroids](#)

Solar maximum in this cycle will be in 2025.....so activity is increasing.....as are the risks to infrastructure.etc

So cash is so important going forward if we lose services and infrastructure.due to a Carrington type event or greater.

[Northern Lights could be visible in these parts of UK tonight \(msn.com\)](#)

[BOM warns level G4 geomagnetic storm will impact Earth — here's what that means \(msn.com\)](#)

SPACE WEATHER PREDICTION CENTER

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

Friday, May 10, 2024 13:17:11 UTC

HOMEABOUT SPACE WEATHERPRODUCTS AND DATADASHBOARDSMEDIA AND RESOURCESSUBSCRIBEANNUAL MEETINGFEEDBACK

Home > SWPC Issues Its First G4 Watch Since 2005

Search


CURRENT SPACE WEATHER CONDITIONS on NOAA Scales

R

S

G

SWPC ISSUES ITS FIRST G4 WATCH SINCE 2005




Active Space Weather Conditions Through Weekend

WHAT: Large Sunspot Groups and Flares Lead to First G4 Watch Since 2005

- On Thursday, May 9, the NOAA Space Weather Prediction Center issued a Severe (G4) Geomagnetic Storm Watch – the first since January 2005.
- At least five earth-directed coronal mass ejections (CMEs) were observed and expected to arrive as early as midday Friday, May 10, 2024, and persist through Sunday, May 12, 2024. This is an unusual event.
- Several strong flares have been observed over the past few days and were associated with a large and magnetically complex sunspot cluster (NOAA region 3664), which is 16 times the diameter of Earth. Additional solar activity is expected from the region.
- Only three Severe geomagnetic storms have been observed during this solar cycle which began in December 2019. The last G4 (Severe) was on March 23, 2024, and the last G5 (Extreme) was the Halloween Storms in October 2003. That G5 resulted in power outages in Sweden and damaged power transformers in South Africa.

2024-05-09 19:28:00 UTC



National Oceanic and Atmospheric Administration

U.S. Department of Commerce

Safeguarding Society with Actionable Space Weather Information


Space Weather Prediction Center:

Boulder, CO

SWPC ISSUES ITS FIRST G4 WATCH SINCE 2005

published: Thursday, May 09, 2024 20:38 UTC

On Thursday, May 9, 2024, the NOAA Space Weather Prediction Center issued a Severe (G4) Geomagnetic Storm Watch. At least five earth-directed coronal mass ejections (CMEs) were observed and expected to arrive as early as midday Friday, May 10, 2024, and persist through Sunday, May 12, 2024. Several strong flares have been observed over the past few days and were associated with a large and magnetically complex sunspot cluster (NOAA region 3664), which is 16 times the diameter of Earth.



National Oceanic and Atmospheric Administration

National Weather Service

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Space Weather Prediction Center

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On Mon, Mar 25, 2024 at 4:46 PM Angus Craig wrote:

Redacted under s.9(2)(a)

This is just a timely reminder as this was an earth facing CME, SOLAR GEOMAGNETIC STORM event to what could possibly affect anything electrical in the digital infrastructure age, depending on intensity and density.....LIKE the 1859 Carrington event banking would be affectedthis is why CASH should always be an option within society and readily available .Also a reminder for retailers who are going cashless.....not good to put all your eggs in one basket if and when we get one strong enough to cause serious problems.

[SpaceWeather.com -- News and information about meteor showers, solar flares, auroras, and near-Earth asteroids](#)

[site:www.msn.com - Search News \(bing.com\)](#)

[Homepage | NOAA / NWS Space Weather Prediction Center](#)

[Severe geomagnetic storm impacting Earth after coronal mass ejection from the sun | news.com.au — Australia's leading news site](#)

[Geomagnetic storm hits Earth creating northern lights, disrupting radio communications \(msn.com\)](#)

[Major geomagnetic storm lights up parts of New Zealand \(msn.com\)](#)

On Thu, Oct 12, 2023 at 11:04 PM Angus Craig <angusactingupagain@gmail.com> wrote:

[Ancient superpowered solar storm that hit Earth 14,000 years ago is the 'biggest ever identified' \(msn.com\)](#)

Miyake events are believed to be "several orders of magnitude" greater than the Carrington Event, the researchers wrote. Scientists think the most recent Miyake event was around 80 times more powerful than the Carrington Event, Live Science previously reported. But the newly discovered superflare could have been twice as powerful again, researchers wrote.

I hope you saw this....backing up what i have been saying

On Mon, Jul 10, 2023 at 12:47 PM Angus Craig

Redacted under s.9(2)(a)

wrote:

I know submissions have closed and I received your email the other day on the future of cash etc . But I am just forwarding this talk on RNZ the other day, on to you as it does support my case on the vulnerability of having all your eggs in a digital / electrical basket.

[Dr Craig Rodger: What to expect from Solar Maximum | RNZ](#)

regards

Angus

On Fri, Feb 17, 2023 at 12:02 AM Angus Craig

Redacted under s.9(2)(a)

wrote:

The recent state of emergencies as a result of Cyclone Gabrielle which we in NZ have experienced is yet another reminder / reason to retain and strengthen the use of physical cash in society as digital infrastructure and electricity failed in these adverse conditions. .This event should have reinforced this point home..

The climate has and will always continue to change as history teaches us, so we must not put all our eggs in one basket.

[Why did New Zealand's cellphone network fail so fast? | The Spinoff](#)

[Cyclone Gabrielle: Gisborne Highway bridge a mangled wreck as residents without communication after massive destruction to lines - NZ Herald](#)

[Cyclone Gabrielle: Chorus reveals scale of East Coast fibre devastation, telcos fly in mini towers, satellite gear - NZ Herald](#)

On Sat, Jan 7, 2023 at 5:50 PM Angus Craig

Redacted under s.9(2)(a)

wrote:

[Geomagnetically Induced Current Modeling in New Zealand: Extreme Storm Analysis Using Multiple Disturbance Scenarios and Industry Provided Hazard Magnitudes - Mac Manus - 2022 - Space Weather - Wiley Online Library](#)

On Sun, Dec 25, 2022 at 3:23 PM Angus Craig

Redacted under s.9(2)(a)

wrote:

going on this yet another reason why cash must remain.

[NBuzulukova_BTsurutani_2022_CorrProofs_Dec20 \(arxiv.org\)](#)

[Frontiers | Space Weather: From solar origins to risks and hazards evolving in time \(frontiersin.org\)](#)

[\[2212.11504\] Space Weather: From Solar Origins to Risks and Hazards Evolving in Time \(arxiv.org\)](#)

[Space Weather: From Solar Origins to Risks and Hazards Evolving in Time - SpaceRef](#)

On Tue, Sep 6, 2022 at 6:54 PM Angus Craig

Redacted under s.9(2)(a)

wrote:

Im sure you will have seen this in the mainstream media now.....somewhat underplayed the risks that could happen depending on the event but at least it was reported on.....reinforces the need for cash .[Scientists preparing New Zealand's defences against solar tsunami threat | Newshub](#)

On Sun, Jul 10, 2022 at 12:40 PM Angus Craig

Redacted under s.9(2)(a)

wrote:

Cash was King in Canada when there was grid down / electricity brownouts.

[Rogers outage impacts maritime businesses | CTV News](#)

[Canada Police, Banks And Consumers Hit By Major Network Outage | Barron's \(barrons.com\)](#)

[Spaceweather.com Time Machine](#)

On Mon, Feb 14, 2022 at 12:07 AM Angus Craig

Redacted under s.9(2)(a)

wrote:

<https://www.forbes.com/sites/siladityaray/2022/02/09/at-least-40-starlink-satellites-launched-by-spacex-last-week-have-been-destroyed-by-geomagnetic-storm/>

On Mon, Jan 17, 2022 at 3:44 PM Angus Craig

Redacted under s.9(2)(a)

wrote:

A timely reminder of how infrastructure is vulnerable in a changing world and how Cash is still very relevant going forward.

[Tonga volcanic eruption: Looks like worst-case scenario for islands' internet cable - NZ Herald](#)

On Mon, Oct 5, 2020 at 11:07 AM Angus Craig

Redacted under s.9(2)(a)

wrote:

<http://www.imperial.ac.uk/news/204493/solar-storms-could-more-extreme-they/>

On Mon, Sep 2, 2019 at 12:30 PM Angus Craig

Redacted under s.9(2)(a)

wrote:

No worries

In case you were un aware of the Carrington event.

https://en.wikipedia.org/wiki/Solar_storm_of_1859

<https://www.nationalgeographic.com/news/2011/3/110302-solar-flares-sun-storms-earth-danger-carrington-event-science/>

On Mon, Sep 2, 2019 at 8:31 AM FutureofCash

<FutureofCash@rbnz.govt.nz> wrote:

Kia ora,

Thank you very much for taking the time to give us your views on **The Future of Cash Use - Te Whakamahinga Moni Anamata**.

Your submission will be carefully considered along with all feedback received before 31 August.

Kind regards,

Future of Cash - Te Moni Anamata | Reserve Bank of New Zealand
| Te Pūtea Matua

2 The Terrace, Wellington 6011 | P O Box 2498, Wellington 6140

Email: FutureOfCash@rbnz.govt.nz | www.rbnz.govt.nz

From: Angus Craig [Redacted under s.9(2)(a)]

Sent: Friday, 30 August 2019 11:51 PM

To: FutureofCash <FutureofCash@rbnz.govt.nz>

Subject: Cash

To who it may concern,

My response to The Cash issue I saw on TVNZ.

Regarding just electronic banking i would say Never put all your eggs in one basket to quote a well known saying. It was true for people in the 2011 Christchurch earthquake area who wanted to buy food and water etc who had cash when electronic payment services were all out of order....cash was actually king, and hence vital in disaster Zones and effected areas for people needing things.The other side of this is buinesses could trade and earn money if they were not badly effected.....little down time for some in buiness.

As the climate changes moving forward we could be effected by more earthquakes (NZ scientific predictions) , volcanic eruptions, flooding/tsunamis etc which will have effects on services for people.....even a very serious Carrington type event is indeed possible that could effect electronic banking and data storage, so it would be foolish to get rid of cash.

If there is a real will by the Trading Banks, government and the Reserve bank to promote to the public to use and have cash it will survive.....But does the banking industry really want it is the question and is this public exercise all this just part of the process which has already been decided?I guess time will tell.

We Still need cash in my view.

Regards

Angus

Regards

Angus

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