

Weather

I am expecting a La Nina winter this year, which means we are about to have a winter much different than the past few. We have been on the El Nino side of things for years and now it finally makes it is flip. La Nina is sometimes referred to as the *cold phase* of ENSO and El Nino as the *warm phase* of ENSO which is the El Nino Southern Oscillation cycle. El Nino and La Nina episodes typically last nine to 12 months, but some prolonged events may last for years. While their frequency can be quite irregular, El Nino and La Nina events occur on average every two to seven years. Typically, El Nino occurs more frequently than La Nina. La Nina dominated the year 2020.

I'm expecting this to be a cold and snowy winter for the Rockies, Great Plains, Midwest, Great Lakes and Ohio Valley, the East could see a decent or even a good winter, but there's one thing I'm sure of, it won't be as bad as last winter was.

U.S. WINTER WEATHER FORECAST 2020-2021



A light winter for most of us here in the United States, with warmer-than-normal temperatures in the forecast for a large part of the country.

Hawaii

In Hawaii, rainfall will be above normal in the east and below normal in the west.

Winter season temperatures will be below average in the east and above average in the west.

Alaska

In Alaska, snowfall will be above normal in the north and below normal in the south. Precipitation will also be slightly above normal.

Winter temperatures will be milder than normal with the coldest periods in late November, early January, and early and mid-February.

Pacific Southwest

In the Pacific Southwest (most of California, including San Francisco south to San Diego), winter will be drier than normal with below-normal mountain snows.

Despite below-normal precipitation, temperatures will be cooler than what's typical. The coldest temperatures will occur in late December, late January, and mid-to late February.

Pacific Northwest (Region 15)

This year, the Pacific Northwest (Seattle south to Eureka) will have below-normal snowfalls with the snowiest periods in early December and from mid- to late February.

Winter temperatures and precipitation will be close to normal, on average, in the Pacific Northwest. The coldest periods will occur in mid-January and early and late February.

Desert Southwest

In the Desert Southwest, snowfall will be below normal in most areas that normally receive snow, with the snowiest periods in late December and late February.

Winter will be colder and drier than normal, with the coldest periods in mid- and late December and mid- and late February.

Intermountain

In the western Intermountain region (Spokane down to Flagstaff, and Reno to Salt Lake City), snowfall will be near normal. Overall precipitation will be slightly below normal, on average.

Winter will be slightly milder than normal, with cold periods in early to mid-December, late January, and late February.

High Plains

In the High Plains (Bismarck to Billings to Denver to Amarillo), snowfall will be above normal in most places. Overall precipitation will be above normal in the north and slightly below normal in the south.

Winter will be milder than normal, with the coldest periods in mid-November, December, late January, and late February.

Texas-Oklahoma

In the Texas-Oklahoma region, winter will be drier than normal, on average, with below-normal snowfall in places that normally receive snow. The best chance for snow will be in late January.

Winter will be milder temperatures than normal, with the coldest periods in mid-November, early to mid-December, and late January.

The Heartland

In the Heartland (Western Illinois, Iowa, Missouri, Eastern Nebraska and Kansas), snowfall will be below normal in most places with precipitation below normal, whether rain or snow.

Expect a mild winter! Winter temperatures will be well above normal, on average.

For the full winter summary with all of the details on the coldest and snowiest periods—including weather predictions by month and by week—pick up a copy of *The 2021 Old Farmer's Almanac*—the one with the familiar yellow cover!

Upper Midwest

In the Upper Midwest (Minnesota and Wisconsin and northern Michigan), snowfall will be above normal. In the eastern Dakotas, snowfall will be below normal. The snowiest periods will be in late December, early and late January, late February, and early March.

Winter temperatures will be warmer than what's average in this region. However, the coldest periods will come in December as well as late January and late February.

The Deep South

In the Deep South (Louisiana, Mississippi, Alabama, Arkansas, Tennessee), rainfall will be below normal, with the best threats for snow in the north of this region in late December and late January. Winter temperatures will be warmer than normal, on average, especially across the northern parts of the region. The coldest periods will be in early and mid-December and in January.

Ohio Valley

In the Ohio Valley (Pittsburgh; Southern Ohio, Indiana, and Illinois; Kentucky, West Virginia), snowfall and precipitation will be below normal in most areas. The snowiest periods will be early and mid-December and early to mid-March.

Winter temperatures will be much warmer than what's typical, despite some cold periods in early and mid-December, from late December into early January, and in late January.

Lower Lakes

In the Lower Lakes (Syracuse west along the Great Lakes to Chicago and Milwaukee, most of Michigan, south to Indianapolis), snowfall will be below normal in most areas, with the snowiest periods in early and mid-December, mid- to late-February, and early to mid-March.

Winter temperatures will be much above normal, on average, despite cold periods in December and January.

Florida

Not surprisingly, no! In the Florida region, winter will be drier than normal with less precipitation. Winter will be milder than normal, even for Florida, with the coldest temperatures in mid-December, early January, and early February.

Appalachians through Southeast

For the Appalachians and Southeast regions (most of the Carolinas and Georgia), snowfall will be generally below normal. Precipitation will be above normal in the north and below normal in the south. Winter will be warmer than normal, on average, with the coolest periods in mid- and late December and throughout January.

The Atlantic Corridor)

“Sheets of sleet!” In the Atlantic Corridor (extending from Boston to Richmond), the prediction is mostly below-normal snowfall, with precipitation at near-normal levels.

Winter temperatures will be above normal, on average, which means some typically-chilly winter rainy periods.

The Northeast

“It's Snow Time!” Get excited, folks in the Northeast! We can't spill the beans on the entire forecast, but snow lovers should be very excited!

Cold is to be expected during winter, but this coming one will be colder than normal in the northern part of the region and not quite so cold in the south.

ECONOMY

The Market is signaling that 2021 economic recovery will be “good”

The Morgan Stanley chief US equity strategist said that

how the economy gets to this recovery is irrelevant.

Wilson recommended investors buy companies that have been victims of the pandemic because those will have the most operating leverage upside in this recovery.

What we fail to understand is the markets do not reflect Main Street. Wall Street is about big business and corporations. Main Street is about us and our financial lives. Wall Street makes huge money, and here on Main Street, we see inflation. On Main Street we beg for our raises. Our dollars do not carry us as far as they used to. Our benefits are perishing. Wall Street increases are good, That is the reality of Wall Street. They still are making money from our labor. They need bodies to work, and as soon as they can figure it out, machines will do the job and incidentally, much better than humans and with more accuracy. Wall Street big business and corporations will continue to be making the money, and we are left to re-educate into fields that we still do not imagine. A new work force will soon be emerging and hopefully our lifestyle can improve, because for the ordinary folks our world is shrinking.

In 2021, global growth is projected at **5.4 percent**. Overall, this would leave 2021 GDP some 6½ percentage points lower than in the pre-COVID-19 projections of January 2020. The adverse impact on low-income households is particularly acute, imperiling the significant progress made in reducing extreme poverty in the world since the 1990s.

The oil industry entered 2020 with the wind seemingly at its back. Crude oil prices were in the \$60s, fueled by the view that demand growth was on track to accelerate. That outlook had many oil producers planning to drill more wells so that they could capture higher prices.

However, the COVID-19 outbreak knocked the wind out of the oil industry earlier this year as government restrictions on business and travel pushed demand off a cliff. While consumption has improved from the initial collapse, it's not rebounding as fast as many forecasters previously expected. The sector faces a long road to recovery.

Many of the economists say that 2021 home price index will call for a 6.7% decrease for single-family homes and a 6.5% decline in condo apartments. I am a little more optimistic and think 5%. It's still a decrease and that is not good. With that being said, I do look for them to start an upward trend by 2022. We will see for the first time a decline in housing since 2012.

Our country is still #1 in our GDP at 18.57 trillion. China follows at 11.2 trillion and the Japan at 4.939 trillion.

It will take a long time for the labor market to recover from the severe shock of the coronavirus pandemic.

In 2020, unemployment reached 13.3% but by the end of the 2020 it was down at 9.3%. The unemployment rate will remain elevated for years, coming in at 5.5% at the end of 2022 and only falling to 4.1% — near a pre-coronavirus level — in the long term.

The average American needs an annual salary of more than \$43,000 for a single-person household to be considered middle class. (\$43,000 per person for multi person family.) Despite these facts, most Americans placing themselves within the middle class, roughly 40% of middle-class millennials and Gen X'ers and 45% of baby boomers live paycheck to paycheck. A lot of this is due to excessive spending.

About half of middle-class Americans reported feeling financially insecure. And for many Americans, there is one major obstacle that is keeping them from achieving stability: debt. The study on credit card habits shows that 60% of people surveyed have credit card debt, with Gen X'ers being the most likely to have credit card debt and millennials the least likely.

While credit card debt is quite common, and certainly worse than most mortgage or auto loan debt, it is not the most burdensome. **There is one other form of debt holding Americans back financially to a greater degree: “MEDICAL DEBT.”**

The study on the psychological cost of debt shows that those with medical debt are the most likely to find themselves unable to make their minimum monthly payment. Medical debt is particularly oppressive, with 42% of people making less than the minimum payment, as compared to only 8% for credit card debt. Furthermore, among people with debt, those with medical debt are the least satisfied with their lives. People also feel high levels of shame with regards to medical debt, with 76% of people with medical debt being ashamed of their debt.

The biggest financial impact of debt for most Americans is an inability to save money. Without an emergency fund or retirement savings, Americans will continue living paycheck to paycheck.

The key to achieving financial stability for the average American lies in tackling rising debt level. On an individual level, this means cutting down on credit card debt by curbing wasteful spending habits. On a collective level, it also means implementing solutions for rising housing costs, medical expenses, and university tuition. One thing is clear: We'll have to work together.

Outlook For the People and Globally

2021 emphasizes the importance that freedom, change and revolution will play major roles over the next 12 months.

There is no firm consensus as to when the Age of Aquarius will begin (or has already begun!). Most claim that the Age of Aquarius arrived during the 20th century, while others claim it will arrive in the 24th century.

Age of Aquarius (2000-4000) **(Remember it's not only an age but a movement of Humanity)**

Every 2,150 years approximately we have a new Age.

As long as the ego is separate from the soul, we won't have freedom and progress or higher manifestation, but instead we'll have division and will continue to attempt to use machines (weapons, robots, or the internet) to justify one side of the story – either “the ego” or “the soul”.

However sooner or later at the end of this ‘cosmic battle’, we'll reconcile and eventually find a “**new Renaissance**” of higher values: humanitarianism, knowledge, reason, innovation, and people who work towards a greater goal.

One thing we do know, however, is that it takes around 200-300 years to gradually transition from one age to another. And right now, we are **transitioning and progressing into a New Age**.

We are already **witnessing the Aquarian influences**. Technological advancements, science, and the internet are the trademarks of Aquarius. It's all here and it will stay.

In this Age, the goal is individual freedom and liberation. That is the direction all of society is moving toward. We are uniting into a Global Village. We are gradually starting to transition into having more and more individual freedom. There is no firm consensus among anyone as to when the Age of Aquarius will begin (or has already begun!). Most claim that the Age of Aquarius arrived during the 20th century; while others claim it will arrive in the 24th century. But we are already feeling its effects and seeing the progress of the Aquarian ideals and beliefs. The young people of the world are forming and shaping the world in which they want to live. The old ways are on the way out. Equality and justice for all. We will see changes from financial systems to social reform; completely embracing and reinforcing the idea of community living and global unity.

During this transition, we are learning that each individual is important – and not as an amorphous mass easy to maneuver. Every single one of us is born for a reason, and we all can bring our own contribution to the development of society. ***Every single one of us can make the world a better place.***

As we continue to progress into this new reality, “Me” is put into the use of “We” – so that we can create something much greater than the sum of individual efforts. But of course, to get to “We”, we need to acknowledge each person's unique qualities.

In Greek mythology, Aquarius is Prometheus, the Titan God that stole fire from the Gods and gave it to humans. The fire is, of course, a symbol for the light of knowledge, but also, quite literally, Aquarius is a symbol for electricity and other types of renewable energy.

To understand Nature and the change of ages, you need to understand the symbolism throughout the history of the world. After all, that is where we find our secrets.

During this time, we can expect **new types of energies** to be discovered. Other likely developments are artificial intelligence, space travel, and connections with other forms of life.

This movement forward is the most global we have witnessed thus far. It rules networks and communities based on a mutual vision. In the next 2000 years, there is no more place for top-down, hierarchical cultures or extreme political doctrines.

The new movement of age is a democratic system, the types of top-down systems that have dominated our society in the last millennia will simply cease to work.

This Age of movement will come with a completely different “operating system” – something we haven’t seen yet.

We have, of course, started to witness the influence of all of this already since the late 18th century, with the **discovery of Uranus** which also coincided with the **discovery of electricity**. These influences have since then intensified, especially in the last 50 years. This is what is known as the Age of Aquarius.

On December 21st, 2020, The Jupiter-Saturn conjunction (which we will be able to see in the sky) may well be that final ‘**cosmic push**’ that will mark the **official beginning of the new age we address as the Age of Aquarius**. Change is around the corner and it will come sooner than expected. Humanity’s next chapter is currently being written, right in front of our eyes.

MEDICAL Covid-19 for 2021

- **YES, a Vaccine for Covid-19 and new and big discoveries as a result of this Vaccine**
- **YES, we will have new treatment for Covid-19 and new discoveries as a result of this treatment that will help saves lives for things other than Covid-19**
- **YES, we will have to wear a mask and wash our hands**
- **YES, socially distancing will be in vogue**
- **YES, we will have to be careful, but life will start returning to a new normal mid to late 2021.**
- Artificial muscles will give robots superhuman strength
- Drone-delivered medical supplies coming soon.
- A stem-cell cure for diabetes
- A wristband that can read your mind already here - a man wearing what looks like a chunky black wristwatch stares at a tiny digital dinosaur leaping over obstacles on a computer screen before him. The man’s hands are motionless, but he is controlling the dinosaur—with his brain.
- An ultrasound in your pocket. There are more than 4 billion people globally who don’t have access to medical imaging—and could benefit from Butterfly iQ, a handheld ultrasound device. Already on sale to medical professionals
- Rehab in virtual reality
- Novel Drug for Primary-Progressive Multiple Sclerosis A new, FDA-approved therapeutic monoclonal antibody with a novel target is the first and only MS treatment for the primary-progressive population.

- Cannabis - in the US is decriminalized. Medical Treatment will take off with cannabis treatment. Likelihood: 70%
- Targeting fat to treat cancer
- Diabetes treatment that transforms diabetic stem cells into insulin-producing cells
- Artificial muscles will give robots superhuman strength
- Inching towards the cancer vaccine
- The first robotic pharmacist will arrive in the US.
- Let It Grow: Lab-grown skin now can produce its own hair and sweat glands
- Nutrition as the future of cancer treatment
- Cancer tumor genetics paves the way for treatment revolution
- New virus could eradicate malaria, HIV, influenza
- What is cancer immunotherapy?
- X-ray pills to detect bowel cancer
- Emotional and spiritual aspects incorporated as important components in health and healing

Technology forecasts for the United States in 2021

Technology related forecasts to impact the United States in 2021 include:

In 2021, several technological breakthroughs and trends will become available to the public, for example:

China achieves its aim of producing 40 percent of the semiconductors it uses in its manufactured electronics by 2020 and 70 percent by 2025. Likelihood: 80%

Singapore rolls out an Intelligent Driving Circuit this year; it allows people to take driving tests without having an examiner in the car with them. This new circuit — the first in Southeast Asia — is trialed at the Singapore Safety Driving Centre. Likelihood: 70%

The world's first air taxi service is launched in Singapore this year, with the goal of eventually making it a fully autonomous and affordable means of transport for the masses. Likelihood: 60%

America's first exascale supercomputer, called Aurora, is now operational and will be used to accelerate data analysis for a variety of scientific disciplines. Likelihood: 100%

Canada to contribute AI and robotics technology (and possibly astronauts) to the US moon mission starting this year. Likelihood: 70%

5G spectrum auctions to be sold between 2020 to 2021 to accelerate the build-out of a national 5G network. Likelihood: 100%

5G internet connectivity to be introduced into major Canadian cities between 2020 to 2022. Likelihood: 80%

- Facial recognition identification for 100 percent of all international passengers, including American citizens, is now operational inside the top 20 US airports. Likelihood: 90%
- America's first exascale supercomputer, called Aurora, is now operational and will be used to accelerate data analysis for a variety of scientific disciplines. Likelihood: 100%

- US completes the first "exascale" computer, named Aurora, costing \$500 million to build. (Likelihood 80%)
- Cloud computing becomes decentralized: Future of Computers P5
- Gestures, holograms, and matrix-style mind uploading
- The digital storage revolution: Future of Computers P3
- A fading Moore's Law to spark fundamental rethink of microchips: Future of Computers P4
- The big business future behind self-driving cars: Future of Transportation P2
- Making computers more brain-like: Stanford researchers create first artificial synapse
- Privacy may soon be obsolete—but at what cost?
- Better data saves marine mammals
- Treating cancer: targeting fat to stop the growth of cancerous cells
- Pigs: helping to solve the organ transplant crisis
- New haptic technology moves away from physical touch controls
- Desalination: Easing the burden of thirst
- The potential effects of artificial intelligence
- Fusion energy power stations to fuel our future cities
- New molecule to vastly amplify solar energy potential
- Future of space exploration is red
- Will aerial drones become the future police car?
- Japan's tidal energy system makes a splash
- Will our generation see the end of torrent sites?
- Video analytics and the future of video surveillance

Defense forecasts for the United States in 2021

Defense related forecasts to impact the United States in 2021 include:

- The US military now factors climate change considerations in all major infrastructure spending decisions. Likelihood: 90%
- The US military continues to struggle to recruit enough young men and women into military service as interest in serving reaches decade lows. Likelihood: 80%
- The US military field tests its next-generation cruise missile, a technology previously banned under the 1987 Intermediate-Range Nuclear Forces (INF) Treaty that was cancelled during Trump's first term. Likelihood: 80%
- Infrastructure to impact the United States in in the coming year and years: Americans now use renewable energy produced by solar, wind and hydroelectric power more than energy from coal. Likelihood: 70%
- 2021 is a year that will see the world transform in big and small ways; this includes disruptions throughout our culture, technology, science, health and business sectors. It's your future, discover what you're in for.
- The first robotic pharmacist will arrive in the US.
- Over 80% of web traffic is now video.
- Mass production of self-driving cars commences in China.
- The end of cables, wireless power becomes common in households
- Translation earbuds allow instantaneous translation, making foreign travel much easier
- Cost of solar panels, per watt, equals 1.1 US dollars
- World population forecasted to reach 7,837,028,000
- World sales of electric vehicles reaches 7,226,667
- Predicted global mobile web traffic equals 36 exabytes

CULTURAL INNOVATIONS FOR 2021

- A number of cultural breakthroughs and trends will become available to the public, for example: China launches its plan to rank all its citizens on their "social credit" system by the end of this year. Likelihood: 70%
- France has become the world's leading consumer of organic wine, having doubled its consumption since 2013. 80%
- Canadians with criminal records will have their cannabis-related convictions pardoned between 2020 and 2023. Likelihood: 80%
- World population forecasted to reach 7,837,028,000

Cultural related predictions due to make an impact in 2021 include:

- Defining the value of art only gets harder
- The health and social consequences of family medical leave policies in the United States
- Making ads fun again: the future of interactive advertising
- Global citizenship: saving the nations
- We, the people (online): e-democracy and the future of government and governance
- The future of transportation: Driverless cars and driverless buses
- The social, economic, and neurological effects of an unjust public education system
- From mindfulness to corporate productivity
- Keeping AI Benign

Surprising reason why phones and social media are here to stay

- The dawn of a new sexual era
- Virtual agenda for the future
- Underwater hotels, moon hotels and virtual holidays: The future of travel
- The democratic future of education
- Hollywood's romanticization of artificial intelligence
- The end of the cinema in the digital age

SCIENCE FOR 2021

- Between 2020 to 2023, a periodic solar event called a "grand minimum" overtakes the sun (lasting through 2070), resulting in diminished magnetism, infrequent sunspot production and less ultraviolet (UV) radiation reaching Earth — all bringing a cooler per Likelihood: 50%
- A day with your self-driving car: Future of Transportation
- The end may be nigh for the Great Barrier Reef
- Better data saves marine mammals
- Sniffing out a new antibiotic
- Renewable energy of the future: Seawater
- The mobile future of kidney treatment
- From cows to pandas to humans: Cloning technology of 2060
- Public ignorance delaying GMO's next big agricultural revolution
- Flavor-tripping miracle fruit could replace sugar

What does 2021 have in store for us?

This year can bring us reforms, stability, construction, control, but we will see some continue to see rebellion and violence There will be restructuring and construction efforts. However, everything will be slow to build a solid foundation so collapse will not be feared. This will allow the construction of stable and sustainable projects.

The year 2021 will seek to highlight work and the economy under difficult conditions. Globally we will see the rise and fall of governments, the forces of countries, men in power,

We will see a recession as we know it but ... there is a rise of another way, lots of changes ahead and new ways to sustain our lives and livelihood.

The international situation has deteriorated, as extremist thoughts have taken hold to impact our world. Man will reflect and readjust his judgments or foundations. Some of these re-adjustments will be difficult but it is the way of the future.

Changes or readjustments to the labor code, as well as certain laws, will be inevitable. There will also be reforms in education, public health, and justice.

Reforms concerning the Church are looming. Pope Francis will propose the marriage of priests, thus provoking the anger of the Curia of Rome. Note also that very firm sanctions regarding deviances within the Church will be exposed.

Predictions for 2021 and beyond, but we already see the trend

- Language differences will disappear - machine that will make people speak the same language. Maybe this will not totally happen in 2021, but we are seeing just the beginning of new technology.
- The world economy will collapse as we know it over time and a new system will emerge as this happens
- People will live over 200 years. (a healthy and full life – we will start seeing this over the next few years gradually increase their life capacity. This will primarily be the result of technological advances in medicine that will extend human life.
- We will continue to plunder the forests, and the fields will be burned by heat,
- Major earthquake in the western United States.
- People will learn to talk to animals and hear the animals.
- A few taxes will be eliminated in the western world. “People will refuse to pay these taxes. I see continued riots in the Western world, which will cause chaos to set in.
- In many countries, the days when anyone could have a child will become a thing of the past. Over time, Parents will need licenses.

A major global conflict will NOT begin in 2021, although we will remain vigilant. Among the predictions for this year is, of course, an economic crisis, Also we will see some of the great powers as we know them failing and edging towards falling, what we are witnessing a new way that is surfacing.

Many already link this to the consequences of the pandemic, and of course it plays a part but it certainly is not the entire picture.

We are watching how the world goes through the cycles of the year, weather, confusion, great strides in technology and science every year occur, but mankind, we have so much to learn. New beginnings are coming, and change is upon us. This world takes a beating from us and its survives because that's how God designed it. It is us that is endangering ourselves. We have a lot to learn about the partnership of Man and God.

All is well and divine timing is the way it will work.

May God and the Angels Bless and Keep You Now and Always,

Rev. Mahala D. Bacon, Th.D.

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