

State of the Bands

February 18, 2019



Stop Watching | Start Living



Our Mission

To enthusiastically provide dynamic tools, research, and services within the financial community by empowering institutions and individuals to redefine what financial freedom really means.



Introduction

In this issue of State of the Bands: Air! Its got the meats! Forex for you and Forex for me and can America run on and off of Coffee...literally. And no, I won't hold your beer because it might be a corona virus, or the 2020 census.



Air: It's Got The Meats!

Money doesn't grow on trees, but apparently meat can "grow" from air. Well, not exactly. Air Protein, a California based company, has announced their creation of "air-based" meat. The company uses microbes to produce protein from air- much like a plant converts carbon dioxide to oxygen, their microbes convert carbon dioxide to protein. When exposed to carbon dioxide, oxygen and nitrogen, the microbes process the gasses into a tasteless protein powder.

The cool thing about protein being sourced this way is that consumers will not run in to the same issues as they do with synthetic biology. Some of the more intense (but unlikely) consequences of synthetic biology include but are not limited to: a harmful organism could be accidentally released or synthetically developed organisms could be overused in place of naturally occurring ones.



Fun Fact: Proteins are made up of smaller organic compounds known as amino acids. There are 500 naturally occurring amino acids, but only 20 show up in DNA.



Air: It's Got The Meats!



Since the protein is being produced by a microbe and is not lab created the risk of it being unintendedly dangerous for consumers is relatively low. Once this method gets perfected and can be mass produced, we will have a truly ethically sourced meat alternative.

Air Protein is not the only company making protein from air. Solar Foods (a Finnish based company), Sustainable Bioproducts, NovoNutrients, Deep Branch Biotechnology, and NobleGen are also working to make “protein out of air”.

US Stocks

NNVC - NANOVIRICIDES

TPC - TUTOR PERINI CORP

CSU - CAPITAL SENIOR LIVING

PBI - PITNEY BOWES INC

PVG - PRETIUM RESOURCES INC

Stocks Continued...

ABMD - ABIOMED INC

UHAL - Amerco

IP - International Paper

ELOX - ELOXX PHARMACEUTICALS INC

ATRI - ATRION CORP



Forex For You and Forex for Me

You may have noticed a Forex tab with different time periods appear on our website and you may have been wondering, “What is Forex?”. Forex, or foreign exchange, is the pairing and trade of currencies. Currencies trade against each other as exchange rate pairs and this can be done at a profit. Currencies are more volatile than you may think– for example, if a person living in the US buys something in Europe, the exchange would have to be the value of the United States Dollar (USD) to the European Dollar (EUR) at the time of purchase. Arbitrage utilizes the same methodology it does to predict stocks to predict Forex pair movement. We’ve even made an entire page dedicated to forex. Click forex in the menu or hover over forex to see our intraday charts!

FOREX PAIRS

GBPJPY - Great Brit. LB vs JAP. YEN

Fun Fact: The Foreign Exchange Market Trades nearly 6 Trillion dollars a day; while the US stock market only trades a mere 271 billion dollars daily.



America Runs on Coffee...Literally



US Stocks

JVA - COFFEE HOLDINGS INC.

DJCIKC - DOW JONES COMMODITY COFFEE Index

GE - GENERAL ELECTRIC CO.

You may be surprised to hear about Ford using a plant based material now, but this is not their first rodeo. Ford has been using soy-based foam in its cushions since 2011 and has also utilized waste from other organic sources (wheat, coconut, and tomato to name a few) in their products to help meet some of its sustainability goals.

Why McDonalds? It's primarily a question of size- McDonald's is a worldwide chain and as a bonus also has sustainability goals it would like to reach. Hopefully, we will see more odd company pairings working together to make more sustainable products!

CRYPTOCURRENCY

ETHUSD—Ethereum / US Dollar

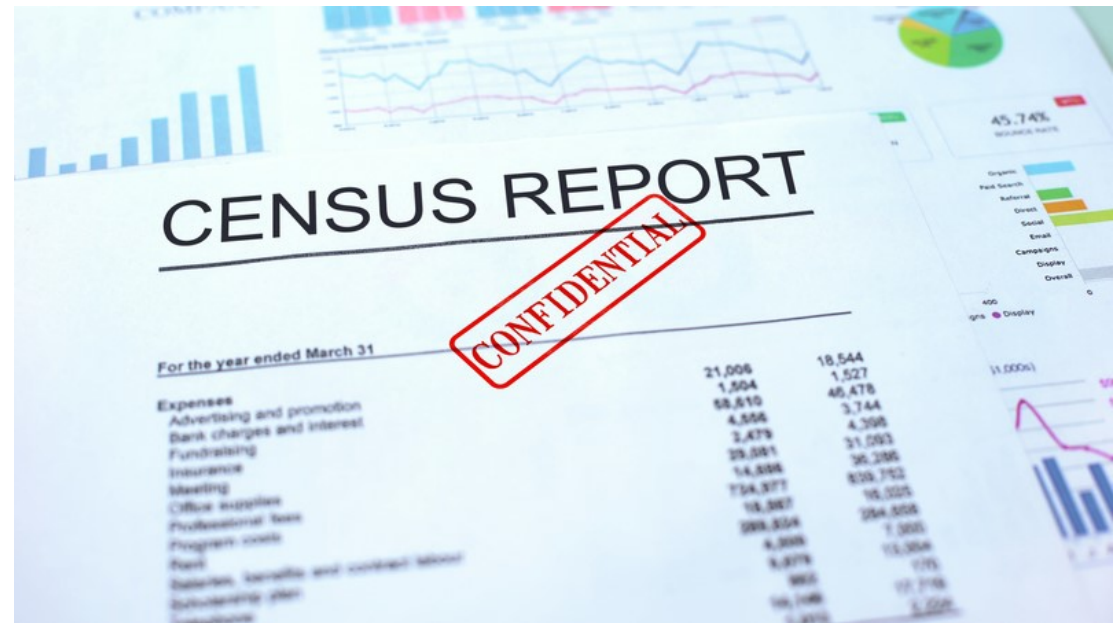
ETCUSD - Ethereum Classic / US Dollar



The Census is Here!

Look out, it is Census time again! If you Recall, the US Census is given every ten years and provides useful information about the nation as a whole that can be used for a variety of things such as medical research, grounds for rezoning, and community aid to name a few.

But what's the real BIG deal about this? Well, the census results are used to reapportion the House of Representatives. As populations change the level of representation each state gets will vary.



Fun Fact: The total number of voting representatives for the House of Representatives is fixed by law at 435. The largest delegation, as decided by the 2010 Census, is California at fifty-three representatives.

Imagine if the population of New York state decreased by 45% and the number of representatives did not change. That wouldn't be fair, would it? Another major thing that this can impact is each state's budget. A state with 4 million people should have different budget requirements than a state with 40 million, right?



The Census is Here!



Now that you know why the Census is important, let's talk about what you can expect. Every household will have the option of responding online, by mail, or by phone. Most households will receive their census invitation by mail mid-to late march. If you do not respond, you will receive reminders through late April to respond to the US Census.

The Census can have a major impact on how your state and country are run as a whole so it is encouraged to respond to the Census. Your personal information will not be shared with your data so there is no need to worry about being identified and persecuted for any of the answers that you give– this includes legal citizenship status. The census also determines the reapportionment of the electoral college at election time. So being counted here will help ensure your voice is also heard on election day.



Corona with Lime

Within the first month of 2020, a new threat is just around the corner and it's even scarier than running out of beer before the Super Bowl. The Centers for Disease Control and Prevention (CDC) has been closely monitoring the outbreak of a virus, the coronavirus 2019-nCoV. While the origin of the virus is still not known, the 2019-nCoV was first identified in Wuhan, Hubei Province, China.



As of February 1st, there were thousands of confirmed cases of the virus in Wuhan and the surrounding area. There have already been some additional cases identified in international locations, including but not limited to Taiwan, Macau, Canada, the United States, Finland, France, Germany, India, Spain, Nepal, and Japan.

As the virus spreads, awareness needs to spread with it. Coronaviruses are a large family of viruses that are common in a variety of animals such as cats, bats, and cattle. It is rare, but there are some coronaviruses that can spread from animals to humans such as MERS, SRS, and now 2019-nCoV.

Fun Fact: Viruses are not considered living organisms.



Corona with Lime

On January 30, 2020, the International Health Regulations Emergency Committee of the World Health Organization declared the outbreak a “public health emergency of international concern”. It has since been declared a public health emergency in the US as well. The best way to stop the spread is to recognize the symptoms of 2019-nCoV and take preventative measures.

As previously stated, not much is known about the origin of the virus but it is suspected that it began in animals, more specifically bats since that is how MERS and SARS can be spread. It is likely that the virus spreads primarily via fluids (ie: droplets in a sneeze or cough).

Signs of infection are fever, cough, sore throat, headache, runny nose, and shortness of breath. Symptoms may appear between two to

fourteen days post exposure. If you are infected, see a doctor to ensure correct diagnosis. The best thing you can do is rest, drink plenty of fluids, and take appropriate medication.



Corona with Lime

The best way to prevent infection is to avoid close contact with infected persons, avoid touching your eyes, nose, and mouth and to wash your hands thoroughly with soap (count to 30 or sing happy birthday to yourself as you lather BEFORE you rinse) or use an alcohol based hand sanitizer.

There are currently no vaccinations to aid in prevention, but there are some labs researching possible vaccines. Stay safe out there!

US Stocks And Forex PAIRS

USD/HKD - US Dollar / Hong Kong Dollar

ANVS - ANNOVIS BIO INC

BUD - ANHEUSER-BUSCH

TAP - MOLSON COORS BEV. COMPANY

USD/CHF - US Dollar / Swiss Franc



Fun Fact: Dentist use sterilization ovens to clean their dental tools. The commonly-used temperatures and time that hot air ovens need to sterilize materials is 170 degrees Celsius for 30 minutes, **160 degrees Celsius** for 60 minutes, and 150 degrees Celsius for 150 minutes.



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Arbitrage Trade welcomes your questions or comments regarding the Terms:

Arbitrage Trade Analytics, LLC

5100 Poplar Ave.

Suite 2223

Memphis, TN 38137

Email Address: info@arbitragebands.com

Telephone number: 901-721-3720

Effective as of February 4, 2019

