

The Outlook For Cryptocurrencies

Dhaval JoshiChief Strategist

The Cryptocurrency Debate Is Back-To-Front!

Bitcoin is a cryptocurrency BTC, that is secured by its blockchain network.

Whereas: Ethereum is a blockchain network, that is secured by its cryptocurrency ETH.

If the Ethereum blockchain network becomes the go-to place for smart contracts, DeFi, and other decentralized intermediation, **then ETH must have a value.**

Examples Of Smart Contracts

An automated financial contract-for-difference.

An automated change of ownership when A's goods reach B's warehouse.

An Example Of Decentralized Finance (DeFi)

The European Investment Bank issued a €100 million bond on the Ethereum blockchain.

It Takes 20 Years To Feel The Impact Of An Innovation

	Invented in:	Commercial impact in:
Steam Locomotive	1804	1825+
Aeroplane	1903	1923+
Internet	1983	2003+
Blockchain	2008	2028+

The Internet? Bah!

Hype Alert: Why cyberspace isn't, and will never be, nirvana

BY CLIFFORD STOLL

It's not that I haven't had a gas of a good time on the Internet. I've met great people and even caught a hacker or two. But today I'm uneasy about this most trendy and oversold community. Visionaries see a future of telecommuting workers, interactive libraries and multimedia classrooms. They speak of electronic town meetings and virtual communities. Commerce and business will shift from offices and malls to networks and modems.



pretense of completeness. Lacking editors, reviewers or critics, the Internet has become a wasteland of unfiltered data. You don't know what to ignore and what's worth reading. Logged onto the World Wide Web, I hunt for the date of the Battle of Trafalgar. Hundreds of files show up, and it takes 15 minutes to unravel them—one's a biography written by an eighth grader, the second is a computer game that doesn't work and the third is an image of a London monument. None answers my question, and my search is periodically interrupted by messages like, "Too many connections, try again later."

Won't the Internet be useful in governing? Internet addicts clamor for government reports. But when Andy Spano ran for county executive in Westchester County, N.Y., he put every press release and position paper onto a bulletin board. In that affluent county, with plenty of computer companies, how many voters logged in? Fewer than 30. Not a good omen.

The Outlook For The Internet In 1998

"The growth of the Internet will slow drastically, as the flaw in 'Metcalfe's law' becomes apparent: most people have nothing to say to each other!

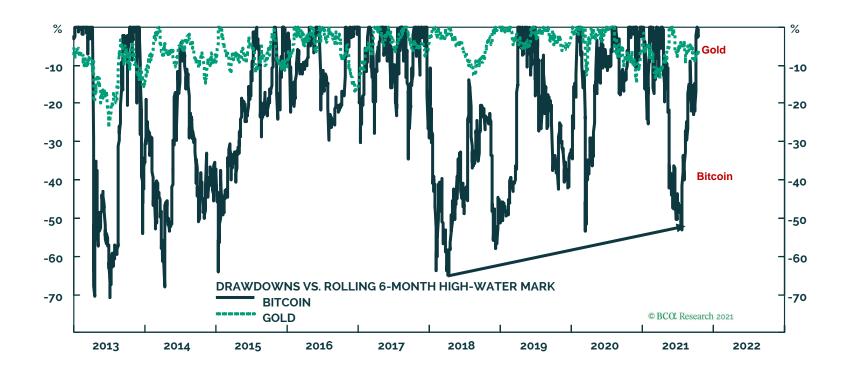
By 2005, it will become clear that the Internet's impact on the economy has been no greater than the fax machine"

- Paul Krugman in 1998

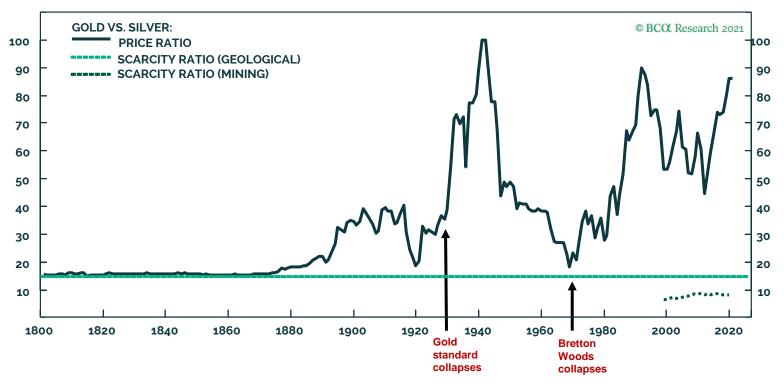
| Cryptos Vs. Gold

	Cryptos	Gold
Not a medium of exchange	✓	✓
An anti-fiat insurance premium	~	✓
Has an economic value	✓	✓

Crypto Corrections Are Becoming Less Extreme



Cryptocurrencies Will Displace Gold's Massive Anti-Fiat Insurance Premium



The Outlook For Cryptocurrencies

The anti-fiat insurance market is worth \$12 trillion.

If cryptocurrencies take half of that market, and BTC and ETH take one third each of that half...

...then BTC will be worth \$120,000... and ETH will be worth \$17,000

Global Offices

Main Office Montreal, Canada 1002 Sherbrooke Street West, Suite 1600

Montreal, Quebec H3A 3L6
Phone +1800 7242942
+1514499 9550

London, United Kingdom 8 Bouverie Street London, EC4Y 8AX Phone +44 0 207 556 6008

New York, U.S.A. 11206th Avenue, 6th Floor New York, NY 10036 Office +1212 224 3669

West Coast, United States Phone: + 1 210 219 9924

Hong Kong 12/F, V-Point 18 Tang Lung Street Causeway Bay, Hong Kong Office +852 2912 8055 Sydney, Australia Level 19, 10'Connell Street Sydney, NSW 2000 Australia Office +61 02 8249 1867

+61 02 8249 1868

Cape Town, South Africa 16 Ebenezer Road The Foundry Cape Town, 8000 South Africa Office +27 21 276 1927 Mobile +27 83 317 1908

São Paulo, Brazil Phone +55 11 9828 13005

Copyright 2021, BCA Research Inc. All rights reserved.

The text, images and other materials contained or displayed on any BCA Research Inc. product, service, report, e-mail or web site are proprietary to BCA Research Inc. and constitute valuable intellectual property. No material from any part of any BCA Research Inc. web site may be downloaded, transmitted, broadcast, transferred, assigned, reproduced or in any other way used or otherwise disseminated in any form to any person or entity, without the explicit written consent of BCA Research Inc. All unauthorized reproduction or other use of material from BCA Research Inc. shall be deemed willful infringement(s) of BCA Research Inc. copyright and other proprietary and intellectual property rights, including but not limited to, rights of privacy. BCA Research Inc. expressly reserves all rights in connection with its intellectual property, including without limitation the right to block the transfer of its products and services and/or to track usage thereof, through electronic tracking technology, and all other lawful means, now known or hereafter devised. BCA Research Inc. reserves the right, without further notice, to pursue to the fullest extent allowed by the law any and all criminal and civil remedies for the violation of its rights.

Non-residents of Canada confirm that they do not, and have never had the right to use any of BCA Research Inc.'s materials in Canada, and agree that they have not and never will use any of the materials in Canada unless they acquire this right by paying the applicable Canadian and Quebec sales taxes. All unauthorized use of the materials in Canada shall be deemed willful infringement of BCA Research Inc. copyright and other proprietary and intellectual propertyrights.

While BCA will use its reasonable best efforts to provide accurate and informative Information Services to Subscriber, BCA cannot guarantee the accuracy, relevance and/or completeness of the Information Services, or other information used in connection therewith. BCA, its affiliates, shareholders, directors, officers, and employees shall have no liability, contingent or otherwise, for any claims or damages arising in connection with (i) the use by Subscriber of the Information Services and/or (ii) any errors, omissions or inaccuracies in the Information Services are provided for the benefit of the Subscriber. It is not to be used or otherwise relied on by anyother person.

Some of the data contained in this publication may have been obtained from Bloomberg Barclays Indices; Bloomberg Finance L.P.; CBRE Inc.; CEIC data; First Bridge Data LLC; Copyright © 2021, IHS Markit; MSCI Inc. Neither MSCI Inc. nor any other party involved in or related to compiling, computing or creating the MSCI Inc. data makes any express or implied warranties or representations with respect to such data (or the results to be obtained by the use thereof), and all such parties hereby expressly disclaim all warranties of originality, accuracy, completeness. merchantability or fitness for a particular purpose with respect to any of such data. Without limiting any of the foregoing, in no event shall MSCI Inc., any of its affiliates or any third party involved in or related to compiling, comput- ing or creating the data have any liability for any direct, indirect, special, punitive, consequential or any other damages (including lost profits) even if notified of the possibility of such damages. No further distribution or dissemination of the MSCI Inc. data is permitted without MSCI Inc.'s express written consent. Real Capital Analytics Inc.; Reis Services LLC: Copyright © 2021, S&P Global Market Intelligence (and its affiliates as applicable), Reproduction of any information, opinions, views, data or material, including ratings ("Content") in any form is prohibited except with the prior written permission of the relevant party. Such party, its affiliates and suppliers ("Content Providers") do not guarantee the accuracy, adequacy, completeness, timeliness or availability of any Content and are not responsible for any errors or omissions (negligent or otherwise), regardless of the cause, or for the results obtained from the use of such Content, In no event shall Content Providers be liable for any damages, costs, expenses, legal fees, or losses (including lost income or lost profit and opportunity costs) in connection with any use of the Content. A reference to a particular investment or security, a rating or any observation concerning an investment that is part of the Content is not a recommendation to buy, sell or hold such investment or security, does not address the suitability of an investment or security and should not be relied on as investment advice. Credit ratings are statements of opinions and are not statements of fact; Standard and Poor's ("S&P") Copyright © 2021 The McGraw-Hill Companies, Inc., S&P is a division of The McGraw-Hill Companies Inc. All rights reserved; or from Refinitiv, "The Refinitiv Kinesis Logo and Refinitiv are trade- marks of Refinitiv and its affiliated companies in the United States and other countries and used herein under license." In addition to the foregoing. Client shall display or print the following notice in the Help About section or in a general attribution page. "Copyright ©Thomson Reuters, 2021. All Rights Reserved. Use, duplication, or sale of this service, or data contained herein, except as described in the BCA Research products subscription agreement, is strictly prohibited."

Important Disclaimer

This communication reflects our analysts' current opinions and may not be updated as views or information change. Past results do not guarantee future performance. Business and market conditions, laws, regulations, and other factors af-fecting performance all change over time, which could change the status of the information in this publication. Using any graph, chart, formula, model, or other device to assist in making investment decisions presents many difficulties and their effectiveness has significant limitations, including that prior patterns may not repeat themselves and market participants using such devices can impact the market in a way that changes their effectiveness. BCA Research believes no

individual graph, chart, formula, model, or other device should be used as the sole basis for any investment decision.

BCA or its affiliated companies or their respective shareholders, directors, officers and/or employees, may have long or short positions in the securities discussed herein and may purchase or sell such securities without notice.

Neither BCA Research nor the author is rendering investment, tax, or legal advice, nor offering individualized advice tailored to any specific portfolio or to any individual's particular suitability or needs. Investors should seek professional invest-ment, tax, legal, and accounting advice prior to making investment decisions. BCA Research's publications do not constitute an offer to sell any security, nor a solicitation of an offer to buy any security. They are designed to provide information, data and analysis believed to be accurate, but they are not guaranteed and are provided "as is" without warranty of any kind, either express or implied. BCA RESEARCH DISCLAIMS ANY ADLE EXPRESS OR IMPLIED WARRANTIES.

INCLUDING, BUT NOT LIMITED TO, ANY WARRANTIES OF MERCHANTABILITY, SUITABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR USE.

BCA Research, its affiliates, officers, or employees, and any third-party data provider shall not be liable to any party for any loss sustained by anyone who has relied on the information contained in any BCA Research publication, and they shall not be liable to any party for any direct, indirect, incidental, exemplary, compensatory, punitive, special or consequential damages, costs, expenses, legal fees, or losses (including, without limitation, lost income or lost profits and opportunity costs) in connection with any use of the information or opinions contained BCA Research publications even if advised of the possibility of such damages.

Important copyright and other information are available here: https://www.bcaresearch.com/copyright.