Sunday News No. 124

December 6th, 2020

Date	Milestone
Dec 1	Covid-19 illness documented (unpublicized Nov 17th)
Jan 10	SARS-CoV-2 virus sequenced
Jan 15	NIH designs mRNA vaccine in collaboration with Moderna
Mar 16	Moderna Phase 1l2 trial begins
May 2	Pfizer/BioNTech Phase 1l2 trial begins
July 14	Moderna Phase 1l2 trial published in NEJM
July 27, 28	Moderna and Pfizer/BioNTech Phase 3 trial begins
Aug 12	Pfizer/BioNTech Phase 1l2 published in Nature
October 22,27	Enrollment in both Phase 3 trials complete; >74,000 participants
Nov 9	Pfizer/BioNTech announces interim analysis efficacy > 90%
Nov 16	Moderna announces interim analysis efficacy 94.5%
Nov 18	Pfizer/BioNTech announces 95% efficacy as final result
Nov 20	1st EUA submitted by Pfizer/BioNTech
Nov 27	Distribution of vaccine by UAL charter flights throughout US
Dec 10	FDA External review of Pfizer/BioNTech EUA
Dec 11	Phase 1a Vaccination begins for health care professionals*

*Provisional on positive external review

"This will go down in history as one of science and medical research's greatest achievements. Perhaps the most impressive" @EricTopol

In the last two weeks, Ynvisible doubled its valuation with high volume trading onThursday and Friday. A German TV program talking about Ynvisible helped. Ramin Heydapour, a new member of the Board of Advisors appointed this week, clearly explains why the company has a huge upside.

Luis Neves' Digital with a Purpose movement was presented at Web Summit with a great Ridley Scott Group's trailer

Sunday News is a selection of the links posted daily by the Explora community. I can add you if you want (need to have a Facebook account). Newcomers can check previous Sunday News editions at Explora live. Read Sunday News' First and Second-Year Highlights here.

Antonio Camara

Education

[3Blue1Brown](), Grant Sanderson's fantastic video channel on mathematics

[Contemplating the end of physics]()

[The anguish of academia]()

[How long does it take to go from science to technology?]()

[How to think for yourself](), by Paul Graham

[ZALF- Leibniz Center for Agricultural Landscape Research](). Impressive video via Luis Mira and Ana Rita Azevedo

Food

[A Praça](). Portuguese food and storytelling at its best. Via Ana Rita Azevedo

[Cultured meat has been approved for consumers for the first time]()

[Technology to feed the World]()

Health

Another sign that the apocalypse is upon us. There are at least 11 songs about Anders Tegnell, state epidemiologist of Sweden, most of which are tributes/positive, according to @peterdalle

[Life after COVID](). "Will our World ever be the same?"

[It will change everything': DeepMind's AI makes gigantic leap in solving protein structures]()

Sports

[Sports has a Gen Z problem. The pandemic may accelerate it]()

[Play tennis in the sky](), by Carlo Ratti

Cities, Nature and Clean Tech

[Decision Trees](). "Trying to automate environmentalism alone won't resolve political barriers to conservation but it might help us think differently"

[Collecting data in remote oceans with a cost-efficient, scalable, and flexible infrastructure]()

[Marine clean tech innovation ecosystem](). "The Liquid Grid". See also [The Ocean in Humanity's future]()

[Why did renewables become so cheap so fast?]()

Developing new companies
Advice on finding "the right idea" is often a variant of the tired painkillers vs. vitamins cliche -- focus on a problem you have experienced, or others are experiencing yada yada. Yet, many impactful ideas were more akin to aesthetics, how founders felt the world should be…
Interesting thread @martin_casado

The [Side hustle stack]()
.

[The video-first future of e-commerce]()

[Salesforce's Slack purchase would mark an abrupt about-face for Benioff](). See also [5 software acquisitions Salesforce's Slack deal could spur]()

▲ patio11 on Nov 9, 2009 | parent | favorite | on: The returns to entrepreneurship

I think the Internet makes two very different things common. I'm not sure what world any given business falls into:

1) The Internet is vast, and this tends to create everybody-wins. There is a virtually inexhaustible range of niches out there. Seriously -- one giant, flowing river of value creating. You are able to dip a bucket into it. You may not end up with your own private ocean (hello, Google) but you will also probably not die of thirst.

I honestly think that this is big, like Industrial Revolution big. Big like "bigger than all the hype about the dot com bubble" big. That was a bunch of PR-funded hype which collapsed in on itself. This is about creation of value -- huge, staggering amounts of aggregate value -- and cutting out a lot of the waste that previously prevented that from reaching people. Industries are being reinvented, and some are being created out of whole cloth.

2) The Internet is deep, and this tends to create winner-takes-most. At the top levels of any intellectual labor there is a step function difference in outcomes between #1 and #2, #2 and #3, etc. We talk about the Long Tail because it is new and exciting, but the fat head is still there. That fat head of SEO means, for example, that executing 1% better than the guy in the #2 spot more than doubles your revenues. By itself. The difference between being Google-successful and being Facebook-successful is several orders of magnitude, even though both of those examples made their founders rich beyond the dreams of avarice. The productivity difference between the best programmers and the worst programmers is widely rumored to be an order of magnitude: I think in the future, we'll see the pay catch up, outside the fairly narrow range of quants on Wall Street. (And the difference between the average programmer and the best day laborer is probably going to keep climbing, too. Returns on one of them keep increasing, you do the math.)

It is a great time to be alive for those of us who can leverage these trends. If I were committed to equality of outcomes, though, I would be terrified.

This is a classic view on the Internet based on the [Aggregation Theory]() and where the Data World took over the Real World. This decade's developments in AR and AI will enable the development of a radical alternative. We live in the Real World after all.

[Culture eats strategy for breakfast]()

[An electrifying economist's guide to the recovery](#)

[Ten mind opening business books for 2020](#)

AR/VR/AI/Quantum Computing/IoT
[Varjo](#), probably the most advanced AR/VR device (and the most expensive at 5.000 dollars)

[Vodafone bringing Nreal Light AR Glasses to Europe](#)

[The clever way augmented reality may help rollout full fibre](#)

[Replace your face with an A.I. twin to trick facial recognition](#)

[How archeologists are using deep learning to dig deeper´](#)

[Microsoft patents tech to score meetings using body language, facial expressions, other data](#)

[Computer-aided creativity in robot design](#). A robot grammar. See also [Software and hardware for general robots](#)

['There's a gaping hole in our knowledge': why gamers invert their controls](#)

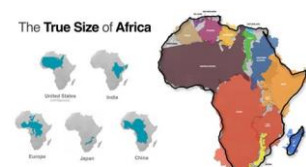[5 areas where AI cannot replace humans anytime soon](#)

Far out
If you want to check old sites in old browsers http://oldweb.today/

[Handmade ceramics from Portugal](#), via Germany. It includes a great video about Portugal's good life

[Ethos review – an excellent, truthful, artful Turkish drama](#)

[This Japanese shop Is 1,020 years old. It knows a bit about surviving crises](#)

[A people map of the UK](#)

[Mapped: visualizing the true size of Africa](#)

Re-visit [Fados](#), Carlos Saura's masterpiece. Watch [Zé Pedro Rock n' Roll](#). And buy from the [Uncancel Collection](#) to help our struggling music industry