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What yesterday's Apple satellite announcement really means

I took the summer off to move with my family from California to Virginia, thus escaping the inevitable fires of doom. I deliberately left my [Apple/Globalstar column](#) up so it would be still staring at readers when Apple made its eventual announcement, which was yesterday. That was a gutsy move on my part, but clearly I was correct. Today's column — my first from our new home in Virginia — looks at specifics of the Apple satellite announcement, placing it in a more informed context.

Apple spent only five out of 65 minutes in [yesterday's product announcements](#) talking about satellites, yet the title of the event — *Far Out* — and the starry logo suggest those were very important minutes to Apple.

The satellite part starts at 59:30 in the video.

From what we already knew going into yesterday's event, Apple downplayed the satellite news. They limited their usage case to emergency SOS texts in the USA and Canada, *sorta* said it would be just for iPhone 14s, and be free for only the first two years. They showed a satellite app and very deliberately tried to make it look difficult to use. They gave no technical details and there was no talk of industry partners.

Yet there were hints of what's to come. We (you and I, based on my previous column) already knew, for example, that ANY iPhone can be made to work with Globalstar. We also knew the deal was with *Globalstar*, which Apple never mentioned but Globalstar confirmed, more or less, later in the day in an SEC filing. But Apple DID mention Find My and Air Tags, notably saying they'd work through the satellites even without having to first beseech the sky with an app. So the app is less than it seems and Apple's satellite network will quickly find its use for the Internet of Things (IoT) as we already knew.

Apple very specifically said nothing about the global reach of Find My and Air Tags. *There is no reason why those services can't have immediate global satellite support, given that the notification system is entirely within Apple's ecosystem and is not dependent*

on 911-type public safety agreements.

Maybe it will take a couple years to cover the world with SOS, but not for Find My, which means not for IoT — a business headed fast toward \$1 trillion and will therefore have a near-immediate impact on Apple's bottom line.

But Apple needs more satellites, that's clear. Either 17 or 24 more are already on their way depending who is telling the story, but over time Apple will need hundreds more. Apple *doesn't* need spectrum, which was the main value of Globalstar to Cupertino and is Apple's key advantage over all of the mobile carriers.

It will take Apple SEVEN YEARS to build-out its constellation (that's Cupertino's plan), which is to say the incumbent carriers have something less than seven years before their businesses are to at least some extent ceded to Apple.

Two things could happen to slow down Apple's success. They could lose their Globalstar exclusive or lose Globalstar entirely. Apple needs that exclusive because Samsung phones are just as good as iPhones for Globalstar connectivity. That's why I keep assuming Apple will *buy* Globalstar.

It's sure SOMEONE will buy Globalstar. If not Apple, maybe Elon Musk.

Elon made a deal to buy Twitter, so he knows how the game is played. And he needs spectrum as much or more than Apple if his T-Mobile satellite strategy is to have a hope. Why not buy Globalstar? So I expect a tender offer from Elon as an individual or from SpaceX, forcing Apple to respond. The game is afoot!

As the owner of SpaceX and Starlink, Musk is more likely than Apple to face antitrust problems with acquiring Globalstar. Still, I think Apple has been too coy in this deal and should move quickly to get 'er done. After all, some third-party (even a private equity firm or hedge fund) could be inspired by Elon to make its own tender offer for Globalstar.

If Elon can't get Globalstar, he and his partners will push for the regulatory expansion into space of terrestrial 5G licenses, *which will probably be successful*. This will happen, frankly, whether SpaceX and T-Mobile are successful or not, because [AST&Science](#) and its investors AT&T, Verizon and Zodafone need 5G in space, too, to compete with Apple. So there WILL eventually be satellite competition for Apple and I think the ITU will eventually succumb to industry pressure.

Apple has money but doesn't have time. The SpaceX/T-Mobile announcement two weeks ago took away from Apple its ability to control the pace of change for cellular in space. Cupertino needs 600-1000 satellites in orbit ASAP, because in that same time SpaceX will launch 3000.

If Apple is going to compete, Apple will have to **COMPETE**, which means adding not just satellites but new satellite designs and manufacturers. The typical satellite four year design-manufacture-launch cycle doesn't happen at SpaceX so it can't happen at Apple, either, if Cupertino is serious about space.

This is a story that will take a couple years to play-out (but not seven) and the eventual winner is not at all clear, at least not to me.

By [Robert X. Cringely](#)|September 8th, 2022|[2022](#), [Companies](#), [competition](#), [Internet](#), [mobile technology](#), [Phones](#), [space](#), [strategy](#)|[152 Comments](#)

152 Comments



1.

Suzie Alcatraz September 8, 2022 at 9:59 am

How many places are there left in North America with no cell reception?



o

Ryan Erickson September 8, 2022 at 10:17 am

There are a *LOT* of places in the western US where there is no cell reception.

Large swaths of area in western states (the less populous parts, of course), to start with... Of course, the utility of adding those areas is questionable, outside of stranded campers / overlanders needing to call for rescue... 😊



▪

Russ September 8, 2022 at 7:14 pm

2 weeks ago in rural SE Washington I was stranded with a flat ...and no cel service due to surrounding hills. Sure wish I could have used a satellite to call AAA. Yeah, I'm looking into what's available now to fill this need.



■ **racerx** September 10, 2022 at 12:43 pm

Why didn't you just change the tire yourself?

Is a flat tire such a crisis these days that we need to call someone else to deal with it?



■ **Paul** September 11, 2022 at 8:12 pm

Because many, if not most, newer cars these days come without spares. Almost all EVs come without spares.

At best you get goo, which can only repair some types of holes. You can buy space-saver type tyres (e.g. modernspare.com) but there is no space set aside to put them (such as under the boot).

Manufacturers have outsourced the problem of handling flat tyres to us, the driver, and we have no good solution.



■ **Gnarlfe** September 12, 2022 at 3:38 am

Modernspare.com is worse than useless; its deceptive.

According to them, DODGE only makes 3 vehicles.

Challenger.

Charger.

Magnum.

Does nothing for my son's Dart.



■ **Gnarlfe** September 12, 2022 at 3:43 am

Almost forgot.

I solved my son's problem by teaching him how to change a tire/tyre when he was 14.

When he bought the Dart, the first thing I did was look for a spare. HA!

I bought a full-size rim off Amazon. When we bought new tires/tyres, I ask them to take the best of the discards and mount it on the rim. They looked at me like I was insane. But that's the way I learned it.

And they did it.

Tipped 'em 20 bucks.

And it saved his bacon when he picked up a nail.

Onward and upward.



■ **Howard** September 22, 2022 at 8:31 am

Interesting. I've heard it's pretty common for a customer with a spare rim to ask the tire shop to mount the best of the discarded tires, in order to have a full-size spare. Very wise decision!



■ **RacerX** September 26, 2022 at 11:40 am

Thanks for the education Paul. I didn't realize spare's were a rarity on EV's.

My mechanic did mention that he had to buy a very expensive machine to be able to change tires on some EV cars.

It makes me wonder, what exactly does AAA do when they get such a call? Do they carry a pre-mounted

spare for your car? Do they just tow you to a shop with the high-tech tire changer?



o

Paul Houle September 12, 2022 at 10:26 am

Upstate NY has cell phone dead spots in it larger than some European countries.



o

James Ponder September 17, 2022 at 6:25 am

We live in Northern Florida and have ZERO cell reception. This is why, in 2022, we have a land line – to actually make and receive phone calls. Oh, and the “internet” here? The “High Speed Internet” offered is 10 megabits – that’s what we pay for – and we normally average a stunning 5 to 7 mbs. A friend of mine, former coworker for years, lives 25 miles from a military base and gets 140 mbs. This is science fiction level speed – so many of us here, away from the cities, will go StarLink or some other FAST data service as soon as it’s available.

Pay more so our smartphones can ping a satellite in an emergency? I’m in. Bill me.



2.

lynn September 8, 2022 at 10:18 am

Whoa, the cringe is still alive, I thought he was dead (“Big Jake” joke). So Apple is really moving into the satellite business.



3.

Jeremy Reimer September 8, 2022 at 10:54 am

For once Bob was right //
Clearly reveling in it //
It’s fine, enjoy it //

After batting 0 for 6 in Apple predictions, Bob finally puts one in the “win” column. Nicely done.

Reading the various threads on Hacker News, it seems that the GlobalStar fleet is fairly old, coverage is spotty, and bandwidth is extremely low, at least compared to competitors like Iridium. The Starlink fleet is the new hotness, but it requires large ground-based antennas to work. The recent T-Mobile announcement requires an entirely new fleet of Starlink sats with larger space-based antennas, which themselves will require Starship to be operational to be launched. So it’s something for the future, whereas Apple’s more limited solution is available now.

Elon Musk won’t buy GlobalStar. Why would he? He’s betting his whole future on Starship, and once that’s operational, he can launch as many satellites as he wants.



o

Bazz September 22, 2022 at 1:18 am

God some people are worse than Trump at Bullshut!! Look up how many satellites Musk sends up in one go. And Cringely already said that Musk has won in space. Read it idiot!! OH join Trump you’ll make a great team!!



4.

Jeremy Reimer September 8, 2022 at 10:58 am

Quote: “But Apple DID mention Find My and Air Tags, notably saying they’d work through the satellites even without having to first beseech the sky with an app.”

Did they, though? I’ll have to re-watch the announcement, but it sounded to me like Find My was something you could activate in a non-emergency, but you’d still have to wave your phone at the sky at some point. And I don’t think they mentioned Air Tags at all.

To be honest, the whole Internet Of Things is kind of a damp squib. Case in point: the Helium Network. They built out a whole terrestrial network for IoT and nobody came, so they tried to incentivize people to buy hotspots by tacking on a Ponzi-scheme crypto coin with it. That bubble burst like all the others, and it turned out that 99.8% of all traffic on Helium was in the coins, not actual IoT traffic. The demand just wasn't there.



o

David September 13, 2022 at 11:29 am

AirTags only work when somebody with a phone happens to wander nearby within Bluetooth range. The phone then propagates the info. There's no way AirTags (today's version) will talk to satellites. They don't even talk Wi-Fi or cellular.



5.

SumOne HadTo September 8, 2022 at 11:13 am

You meant escaping California's "inevitable dumpster fires" . . . right?



6.

John Light September 8, 2022 at 11:57 am

No comment on the 3x latency difference?



7.

LD September 8, 2022 at 12:19 pm

If you watched to the very end, Helly R. was boarding the train.



o

[Jeremy Reimer](#) September 8, 2022 at 6:46 pm

Incidentally, if you all haven't watched Severance, it's a fantastic show. Worth the price of Apple TV+ or whatever they're calling it all by itself.



8.

lynn September 8, 2022 at 2:25 pm

The new Starlink 2.0 satellites are much, much bigger than Starlink 1.0 satellites. "Current Starlink spacecraft are launched by SpaceX's workhorse Falcon 9 rocket. But Starlink 2.0 satellites will be much more capable and much bigger, each of them tipping the scales at about 1.25 tons (1,130 kilograms) here on Earth, compared to about 660 pounds (300 kg) for current Starlink craft."

<https://www.space.com/spacex-starship-deploy-starlink-satellites-pep-dispenser>



9.

Chuck September 8, 2022 at 4:45 pm

I think the big question is, will Apple use Eldorado Space to launch their new satellites?



o

[Jeremy Reimer](#) September 8, 2022 at 6:41 pm

They'd be a fool not to! After all, as Bob once posted, "we've offered to launch on FOUR hours notice and then launch again every TWO hours after that until they tell us to stop."



■ **James Bowery** September 9, 2022 at 7:07 am

It's inactive. https://opencorporates.com/companies/us_ca/C4202689



■ **Jeremy Reimer** September 10, 2022 at 7:23 pm

But that's just Eldorado Space, Inc. (California) which is apparently a subsidiary of Eldorado Space, Inc. (Delaware) which is still active. Of course, in Delaware, you don't have to pay any taxes and can register your company for a one-time payment of \$89. But still! Eldorado Space! ☺



■ **Gnarfle** September 12, 2022 at 3:37 pm

Eldorado? The long lost city of gold?



10.

Vincenzo Romano September 8, 2022 at 11:20 pm

There is another little gem hidden into that announcement. The eSIM only iPhone.
From Wikipedia:

> An eSIM (embedded-SIM) is a form of programmable SIM card that is embedded directly into a device. Instead of an integrated circuit located on a removable universal integrated circuit card (UICC), typically made of PVC, an eSIM consists of software installed onto an eUICC chip permanently attached to a device.

So they replace a hardware removable part with a software fixed one. Moreover, an eSIM can be used with more than a single subscription at once.

What does this mean? Several different things to me. Not all of them at once if we get lucky.

1. My iPhone could come pre-installed with a "hidden" subscription which will keep my phone online (and communicate with whoever) even if I don't want. As it is all but software, the "online" icon for that subscription could be hidden with no way for the user to avoid it (just like with the unreplaceable batteries). Adding a new subscription could be as easy as scanning a barcode/qrcode on the phone cardboard box.

2. To tamper with hardware you usually need to get physical access to the device. With software you won't. It will only be a matter of time that malicious code will start fiddling with the eSIM, related software and smartphone software all by remote. With users not noticing anything but maybe a slightly higher battery consumption.

3. eSIM swap and cloning made even easier without any social engineering needed.

To me, the satellite thing and its privacy concerns are pennies.

Tin foil to the rescue.



11.

KEVIN KUNREUTHER September 8, 2022 at 11:52 pm

All of these satellites (AND electronics and wires and cables bringing power all over) are going to be absolutely useless unless a proper shielding technology is applied to all ASAP before the Sun burps out another circa 1859 level or worse Corona Mass Ejection (CME) causing a worldwide EMP event that will render everything electronic useless and erase or scramble much of our data saved on vast spectrum of unprotected electromagnetic media. Apple, Samsung, other electronics firms, telecommunications and power industries should be working in concert to make this happen. This isn't an IF, it's definitely a WHEN ... work should have begun twenty years ago, there's been enough close calls already.



12. **trashtalk** September 9, 2022 at 12:13 am

The whole thing is a hack and probably someone else's or a minions idea. Also Mark Stephen's (aka Cringely) only wrote a speculative blog off the back of a rumour peddled by a Chinese tech analyst. There's no journalism here only trademark ersatz "big dick energy". As for Stephens moving 2700 miles closer to where I live that's a bit stalky. It won't work you know. I'm not interested.

If Apple cared for anyone they would press for open standards. Instead we get another smug rich persons phone. The grubby subtext is if you don't buy their phone you're going to die. How nice of them!

Anyone stranded in the middle of nowhere needs basic organisation. Make sure someone else knows your journey and arrival time. Don't travel alone. Take enough survival rations to last. I know the elbow on the open window ball clutching driving gangster style stoic style army of one has it's appeal but when you get down to it your average modern human isn't up to it.

Personal locator beacons are a thing and operated via Cospas-Sorsat. (AIS beacons are a thing too.) The cost is funded by governments. Access is free.



o **Gnarfle** September 9, 2022 at 3:15 am

Tell it to Aron Ralston!

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



13. **José Couto** September 9, 2022 at 3:00 am

Great and excellent article, touching (almost) all the fundamental points for the evolution of the Internet of Things; and Apple will be (as it already is) one of the most important players, if not the biggest...



14. **Steven Scott** September 9, 2022 at 6:05 am

Musk does not Globalstar, he has his own SpaceX constellation of satellites for this communication, with a second generation launching before long.



15. **James Bowery** September 9, 2022 at 7:13 am

If people were serious about space development they'd do what I did after testifying before Congress on the, then, new law commercializing launch services:

<https://youtu.be/boLdXiLJZoY>

Advocate replacing the 16th Amendment with a net asset tax and replacing all the unconstitutional programs, like NASA and the welfare state, with a citizen's dividend.

https://ota.polyonymo.us/others-papers/NetAssetTax_Bowery.txt



16. **I don't even remember my alias here** September 9, 2022 at 8:44 am

Of course you can quickly get a post out to toot your own horn. Congrats, really, you got the prediction about Apple's satellite announcement.

How about you go 2/2 on predictions and deliver that Mineserver update you've been endlessly teasing?



17.

trashtalk September 10, 2022 at 4:56 am

Whenever a client slobbers over my boobs my nipples could give Starlink and iPhone ariels a run for their money. You can hang coathangers off mine for sure.

Hasn't anyone reported Mark Stephens (aka Cringely) for wire fraud yet? The clock's ticking!

18. [Links 10/09/2022: diaspora* 0.7.18.1, Tor Browser 12.0a2, and Wine 7.17 | Techrights](#) September 10, 2022 at 5:04 am

[...] I Cringely ▀ What yesterday's Apple satellite announcement really means [...]



19.

trashtalk September 11, 2022 at 1:42 am

So Mark Stephens (aka Cringely) registers his business in Delaware? That's the tax dodger capital of the world. Interesting article here:

<https://news.uchicago.edu/how-tax-dodging-and-corporate-secrecy-found-home-delaware-hal-weitzman>

The note about US law enforcement calling Backpage the world's biggest online brothel is junk. In law it's not a brothel at all. The issue of Backpage being used by horrible people to pimp child abuse was awful of course but the legal blackhole which is Delaware putting criminals and terrorists out of reach does look very suspect. I would have thought this would be subject to judicial review. Mind you a bunch of right wing nutters are trying to get the US supreme court to effectively place US state government outside of the remit of the courts so the madness isn't just ending but escalating. And as the article goes on to explain the Delaware dodge has collapsed states revenues and heightened poverty as well as anti-competitive factors. The EU as we know has corporate transparency laws the US is playing catch-up with. This is one of the factors behind Brexit. That and Russian interference too with a dodgy donation to a dodgy backer of the Leave campaign which was later ruled unlawful but, alas, too late and had no effect.

So Mark Stephens (aka Cringely) hides behind Delaware, claims to have had a house which burned down that didn't burn down, had a slam dunk insurance claim which he said would cover the Mineservers yet, oddly, has never paid out perhaps due to the fire never happening, and now scoots off to Virginia. Hmmm...

I'm not a lawyer but Stephens failure to uphold the Kickstarter contract (which he is in breach of although he may be hiding behind his wife on that one), the iffy claims about a fire and insurance and apparently outright lies about it paying out and him making good on Mineserver, and him crossing the border with a laptop he claimed was lost in the fire yet magically isn't makes this a federal crime?

So who is going to rat Stephens out to the FBI?



o

Gnarfle September 12, 2022 at 3:34 am

He moved to Langley.
He has to check in with his C.I.A. handlers.



20.

trashtalk September 11, 2022 at 1:56 pm

<https://www.vodafone.com/news/technology/vodafone-ast-space-mobile-collaboration>

AST SpaceMobile plans to be the first space-based network to connect standard mobile phones at broadband speeds.

Oh this is all very awkward!



21.

wwwpirate September 12, 2022 at 4:39 am

Chinese are coming into satellite internet business too :

<https://spacenews.com/private-chinese-satellite-internet-firm-galaxyspace-secures-major-new-funding/>

By the way Starlink will never try to acquire Globalstar because FCC will never give regulatory approval due to competitions and monopoly concerns.



o

wwwpirate September 12, 2022 at 4:46 am

Another article on spacenews.com about Apple/Globalstar co-operation:

<https://spacenews.com/apple-to-be-largest-user-of-globalstars-satellite-network-for-iphone-messaging/>

22. **Globalstar tracking is coming for us all – India Inc Blog** September 12, 2022 at 4:49 am

[...] What yesterday's Apple satellite announcement really means [...]



23.

trashtalk September 12, 2022 at 12:36 pm

So everyone but Apple are doing satellite for ordinary phones except Apple who are doing iffy SMS if you hold the phone right? This "prediction" has developed a flat tyre! Quick, someone call EditorDavid!!!



24.

wwwpirate September 13, 2022 at 7:35 pm

Satellite+phone – who is connecting with whom :

<https://www.lightreading.com/satellite/did-elon-musk-just-upstage-tim-cooks-big-iphone-14-surprise/a/d-id/779976>



25.

Arnaud September 14, 2022 at 12:49 am

So if I get it right, Apple would buy Globalstar for its frequency portfolio and then would build a Low Earth Orbit constellation to provide voice & data services around the world ?

That's quite clever, especially for Elon Musk as SpaceX is the only launcher capable of deploying a thousand satellites in the next seven years...

Good job, Bob !



26.

tbezier September 14, 2022 at 5:40 am

Bob, please please block the trolls. All of them. There are about three or four regulars. Every post.

They are the garbage sociopaths you find taking over when sites are left to drift without firm moderation. Their only purpose posting here is malicious vandalism. Because its all they can do. Spew bile. Nasty malicious people in real life.

Bob, you remember what happened to TheWell in the early 1990's? And why? Exactly the same kind of tiny minority destroyed all civil discussion there too. You know the story.

So block the trolls and shut down their new handles when they next reappear. As they will. Eventually these worthless losers will go elsewhere. So that those of us who have been reading you since the InfoWorld days in the 1980's and online since then, until these trolls appeared a few years ago, can again enjoy the often very informative discussions that use to the hallmark here (and your other perches elsewhere) since the 1990's.

If you need any help I'm sure there are quiet a few of us out here who know the mod drill. Plus there are wpengine plugins that support reader blocking of comment user handles so that your readers can block having to see the nasty worthless drivel these

losers. Who post in such great volume. Or outsource comments support to discuss. Which does have these features.

Kill the malicious trolls. Please.



o

BBB September 14, 2022 at 6:03 pm

I 100% agree with the troll extermination sentiment. They may show some awkward intelligence at times, but their negative, non-stop, toxic abuse wouldn't be worth it even if God himself recommended them.

It's not even embarrassing anymore, or even sad anymore. It's beyond tired.

Please ban them so they can circle jerk each other about their gripes somewhere else – perhaps in a subreddit inhabited by other unforgiving, unhappy nerds or angry, lonely OCD people.



o

Gnarfle September 14, 2022 at 6:25 pm

Mom? Dad? Not this again!



■

BBB September 14, 2022 at 8:01 pm

Dude – In the timeframe since you miserable, b1tch-a\$\$ group of whining zeroes started crying about Mineservers, normal people have hooked up, gotten laid, married, had kids, gotten divorced, and probably hooked up again.

My god, man... Total. Dysfunctional. Losers.

Did your mom and dad call you total dysfunctional losers? Oh wait, nevermind – nobody outside your jerk circle cares what you think.

Please, Bob – Ban the chaff. They bring nothing to the table worth the trouble.



■

[Jeremy Reimer](#) September 15, 2022 at 9:55 am

If Bob were to miraculously ban trolls, wouldn't he have to start with yourself? You're even first in alphabetical order! 😊



■

Gnarfle September 15, 2022 at 11:10 am

Don't you think I know that?
It's so funny that you think I don't know that!
I don't have to read it! You read it!
Oh, a sailor travels to many lands.
Any place he pleases!
And he always remembers to wash his hands
so he don't get no diseases!



■

Gnarfle September 20, 2022 at 2:26 pm

God, you must be fun at parties!



■ [Roger Sinasohn](#) October 17, 2022 at 1:03 pm

"normal people have hooked up, gotten laid, married, had kids, gotten divorced ... Total. Dysfunctional. Losers."

Divorced, eh? Sounds to me like the "normal people" are the losers.

Friendly reminder: It's not about the mineservers themselves, it's about the lack of integrity and outright lies that Crookely has put forth.



○ [Jeremy Reimer](#) September 15, 2022 at 9:53 am

Hello, "tbezier", saying exactly the same thing you did when you were "tfourier". Welcome back!

For those who aren't full-time Cringelyologists, I'll catch you up to speed. Tfourier/tbezier really wants Bob to find his lost vigor and sweep his site clean of any naysaying voices. He wants a return to a glorious past where Bob held sway over an army of admiring nerds.

Well, firstly, I hate to break it to you, but the past is never coming back. Things have changed and they can't un-change. Sorry.

Secondly, while I've always maintained that this is Bob's site and he's free to do whatever he wants with it, including moderating any and all comments, there are two facts that make this impossible:

1. Bob set up his site deliberately to not require registration and allow all comments. My theory is that Bob believes that more comments are always better.

2. Even if Bob did want to change his mind and restructure the way his site works, he no longer has the funds to pay anyone to do so, and he is not capable of doing it himself.

So there we are! Enjoy the site for what it is. Stop railing against the inevitable.



○ [Jeremy Reimer](#) September 15, 2022 at 10:22 am

tbezier/tfourier, you mentioned The Well again, and it inspired me to dig into the company's history. To my surprise, it didn't actually die out like all the other services (CompuServe, The Source, etc) that existed prior to the widespread adoption of the Internet. It's still around! You can go to well.com and sign up and post to your heart's delight. I'm not sure how many people do, but it's fascinating to see that it's still there.

This Wired article: <https://www.wired.com/1997/05/ff-well/> told some fascinating stories about the service. But it seemed to miss the overall point about how online services in general were so small compared to the massive flood that was the World Wide Web. They had issues with trolling, sure, but they also had problems related to overzealous (and in some cases, retaliatory) moderation. They had all the problems that the wider Internet would later rediscover.

As someone who started with local BBS messaging and lived to see the age of Reddit, I find it fascinating to see how issues of moderation have never gone away. Some will clamor for more moderation, others will rail against it on principle. It may simply be an intractable problem. I personally believe that some moderation is always necessary, but I'm aware that my opinion isn't always shared by everyone.



■ [Gnarfle](#) September 23, 2022 at 10:20 am

On your mark!
Get set!
ARM!



Jeremy Reimer September 23, 2022 at 10:59 am

😊 I'll just leave this here... <https://arstechnica.com/gadgets/2022/09/a-history-of-arm-part-1-building-the-first-chip>



27. **trashtalk** September 14, 2022 at 5:47 am

Mark Stephens (aka Cringely) only wrote up a wild assed guess. It wasn't journalism. He didn't have multiple sources confirming anything. No interviews. No information off inside contacts. He just based his speculation off a rumour. Note how no CEO fell for it like Gates and Jobs did back in the day. He's been cut out of the action.

Google have their own sat phone initiative. With lasers!

I was reading a US army account of Desert Storm this week. The Ukraine initiative reads like a repeat run of this. They set everything up to look like an attack on one front while mobilised forces secretly to launch an attack on another front. Only this time it sounds like they had their OPSEC really secure so the attacking flank came as a total surprise. The curious thing is they have defensive air dominance while during Desert Storm the allies had offensive air dominance. Another curious thing is the Russians never seemed to pick this up via recon satellite or signals intelligence. I wonder how they did that.

Oh, and journalists were banned from the front as well as all Ukrainian forces social media chatter. I wouldn't be surprised if that had something to do with it.



o **wwwpirate** September 14, 2022 at 5:56 pm

"Google have their own sat phone initiative. With lasers!"

Technically not any more.

Yesterday Google made lot of changes to their incubator projects :

<https://tech.slashdot.org/story/22/09/14/1947251/google-cancels-half-the-projects-at-its-internal-rd-group-area-120>

Also yesterday project you are talking above was spun off as separate company named Aalyria :

<https://www.cnet.com/tech/google-spinoff-wants-to-use-space-lasers-for-high-speed-internet-on-planes-mars-rovers/>



28. **trashtalk** September 15, 2022 at 7:52 am

Incubator projects is a nice name for reckless feral disaster capitalism. The magic of marketing!

Something about these sat phone projects nobody mentions is they're consumer level products for what the military and signals intelligence agencies have had for years. They also work both ways. Hand up who fancies their phone being bricked by a hacker when they are in the middle of nowhere!



29. **True Rock** September 15, 2022 at 3:17 pm

" the Emergency SOS feature enables you to get in touch with an OnStar-like authorized worker no matter where you are in the world, provided you have clear access to the sky, by compressing your message to mere bits. The Emergency SOS feature relies on satellites high up in space to transmit that message to one of Apple's data centers, where an attendant will be standing by to route the issue. The feature is only available on the iPhone 14 and 14 Pro, the Apple Watch Series 8, second-gen Apple Watch SE, and Apple Watch Ultra, since it relies on specific hardware to connect to satellites."

<https://gizmodo.com/apple-iphone-14-pro-watch-8-emergency-sos-satellite-1849541169>



30.

trashtalk September 16, 2022 at 1:09 am

Why can't it be an open standard instead of going through Apple's proprietary system? Do they place a hard cap on battery use so the emergency feature remains available at all times?

Google claim the feature will be available in the next version of Android. Do they mean available in the API and supported in software, or do they mean it will work with existing hardware?

So basically anyone with an old phone can FOAD. How nice of them!

Just wait for the bronze, silver, and gold subscription plans. Private helicopter with plush leather seats and busty nurses rushed to the scene if you're rich. Underfunded cattle truck level services because of tax dodging corporations based in Delaware if you're poor and stuck on bronze.

As for network operators taking a slice and peddling "select" apps this is just another way for a corporate interest to shove their branding and gatekeeping and bloatware in your face.

It should be an open standard or not at all.



31.

lynn September 16, 2022 at 6:05 pm

"iPhone 14 Satellite Provider to Fight SpaceX's Starlink Over Spectrum Access"

<https://www.pcmag.com/news/iphone-14-satellite-provider-to-fight-spacexs-starlink-over-spectrum-access>

"Globalstar tells the FCC to refuse a SpaceX request granting access to the 1.6GHz and 2.4GHz bands for a satellite mobile service through Starlink."

Now the elephants are really starting to dance.



32.

Byron Como September 17, 2022 at 5:47 am

What do yall make of this:

<https://www.youtube.com/watch?v=CadPfEfENNA>



o

bittube October 11, 2022 at 12:18 am

i dont know, its gone



33.

trashtalk September 17, 2022 at 12:32 pm

<https://www.youtube.com/watch?v=Q9-NER8aFJ4>

"All in!" The Ukrainian Offensives in Cherson and Charkiv.

In recent days, the Ukrainian Forces were able to recapture large parts of their territory. In his newest Video, Colonel Markus Reisner calls it the third distinctive phase of this war. Reisner analyses the offensives in Cherson and Charkiv with the help of four factors: terrain, force, time and information. And comparing it to historic battles, he tries to anticipate what might come next.

That was interesting and answered my question. I have observations and more questions but nobody pays attention to a hooker so I suppose I will have to find out myself. I'd like to offer some thoughts based on this but there's a war on so I will keep my mouth shut as I don't want to give the wrong people any ideas!

It's really weird watching satellite surveillance footage with clouds moving in real time!

It would be really interesting to directly secure link a HIMARS with satellite recon to hit disparate and moving targets, or even have the rockets adjust course in real time with long range radio or something. Throw in some area denial rockets and that could get interesting. Bye bye heavy metal and infantry. I wouldn't be surprised if that's what all the satellite phone infrastructure gets used for.

Oops.



o

justme October 10, 2022 at 11:38 pm

> nobody pays attention

...except people with similar thought patterns & sentiments.



34.

wwwpirate September 17, 2022 at 2:55 pm

Lynk may beat Starlink and Apple to the punch as FCC approves its space-based texting

<https://techcrunch.com/2022/09/16/lynk-may-beat-starlink-and-apple-to-the-punch-as-fcc-approves-its-space-based-texting/>

Same summary of that article is on slashdot.com

<https://tech.slashdot.org/story/22/09/16/2236237/fcc-approves-space-based-texting-service-from-lynk>

but interesting thing there is that one guy under comment section writes :

by Cyberax (705495) on Saturday September 17, 2022 @02:07PM (#62889803)

You can buy satellite messengers right now. Garmin inReach bundles them with search-and-rescue subscription, but you can also buy pure messaging from Zoleo. It's priced at 50 cents per message with \$25 per month minimum subscription (giving you 50 messages).

So whoever starts those services will not be the first to offer it – they are just stealing current idea and service.



35.

wwwpirate September 17, 2022 at 3:53 pm

Bob's buddy EditorDavid is promoting this article on slashdot.org :

<https://science.slashdot.org/story/22/09/17/0432203/apples-satellite-based-emergency-sos-prompts-speculation-on-future-plans>

He posted it an hour ago so only a few comments right now.



36.

Bruce September 18, 2022 at 12:38 am

"There is no reason why those services can't have immediate global satellite support, given that the notification system is entirely within Apple's ecosystem and is not dependent on 911-type public safety agreements."

Except there's a very good reason – Globalstar does not have spectrum licenses in *many* other countries.



37.

trashtalk September 18, 2022 at 5:25 am

<https://www.youtube.com/watch?v=yiLztjXe1Yg>

Paper Launch: A UK Joint Methodology for Assuring Theatre Access

https://twitter.com/ChrisO_wiki/status/1571255027775291392

1/ @ian_matveev, who's one of the smartest Russian-language commentators on the Ukraine war, has posted a very interesting and detailed thread discussing the reasons for Russia's defeat east of Kharkiv. An English translation, with his permission, follows (LONG thread ahead!).

Here's a presentation of military doctrine on the use of "networks". Also a thread on a breakdown of how the Russians are very unglued! I haven't linked here but Ukrainian intelligence is very good at catching Russian spies and collaborators. They just caught two the other day. One had been using Telegram to act as a front for a network of Russian spies so no doubt a small spy grouping was rolled up too. That's on top of the shambles of Russian communications which saw their generals offed and a few battalions droned. Now of course the Russians can't even get supplies of Western technology so they are even more stuffed.

As for "EditorDavid" it's interesting how his name is not clickable so you can't see at a glance what he is posting on Slashdot.

I'm glad someone also woke up to international regulation of broadcast spectrums. It is a thing! It's also something with Mark Stephens (aka Cringely) always always always leaves out of his hyperbolic OMG OMG OMG world domination wild assed trillion dollar guesses. That's why he was always a gossip columnist not a journalist.



38.

W Smith September 24, 2022 at 4:32 am

Even Cringe couldn't deal with the craziness of California anymore. I wonder how he feels about his new Virginia home in comparison.



o

granville September 28, 2022 at 3:10 pm

He lived in South Carolina for years. That's where he was when doxed a copy shop employee for declining to print a nude Christmas card of his family.

<https://www.cringely.com/2009/12/15/fedex-kinkos-wont-print-our-christmas-card/>

Glad to see family values have returned to the south.



39.

Harrold September 27, 2022 at 11:52 pm

So cringely is bascially taking credit for announcing apple is in last place to connect phones and satellites. At best they might SOMEDAY be able to send low bandwidth texts back and forth. Meanwile most of the real cell phone carriers are partnering with modern satellite constellations to provide voice and data. Have I got this right?

—
This cringe idiot is an old fart, like 70 YO, who is decades out of touch with the tech world. His claim to fame is he knew some people in the 70s when PCs were being invented. Most of that was a gross exaggeration.

—
If cringely had any clue, he'd be talking about what apple is really doing to outpace the competition. M1 and arm are huge. iPhone is now taking market share from android.



40.

wwwpirate September 29, 2022 at 8:28 am

Lynk Global to deploy experimental 5G payload in December

<https://spacenews.com/lynk-global-to-deploy-experimental-5g-payload-in-december/>

It seems Lynk Global is years ahead of Apple/Globalstar.



41.

wwwpirate September 30, 2022 at 6:46 pm

The Federal Communications Commission adopted a new rule Sept. 29 that will shorten the time for satellite operators to deorbit low Earth orbit satellites from 25 to 5 years.

It will affect all parties involved in satellite to phone business.

<https://spacenews.com/fcc-approves-new-orbital-debris-rule/>



42. **trashtalk** October 1, 2022 at 11:54 am

If only phones could be supported for 25 years instead of five... The whole system based on obsolescence and fast fashion is ridiculous.

Apple are increasing their diversity targets and wanting to employ more women. It's no surprise this was largely ignored by the rampantly sexist tech world let alone Mark Stephens (aka Cringely). Like, how many women were put off getting into tech because of his old Infoworld column?

Oh, and Vladimir Putin? Do fuck off!



43. **racerox** October 2, 2022 at 6:13 pm

It's a myth that women aren't welcome in tech. Every place I've seen, they are welcome.

But, I think there IS a sex based difference in the propensity to DO tech, rather than to MANAGE people.

I've observed that "women in tech" quickly leave the actual technology in favor of managing people.

Am I wrong? Why is this?



44. **trashtalk** October 3, 2022 at 9:56 am

Random internet poster says IT has no problem with women in tech before claiming women have no aptitude in tech? Then wonders why women say "Sod that for a game of soldiers" and switch career in our early to mid 30's.

I'm kicking myself I never did a course in human resources while they were still available for free and there were more openings in the field. I actually have read my way through an entire coursebook for human resources and there is a lot of good stuff in it. Developmental psychology was really interesting and a topic which is often overlooked.

Online I have read loads of stuff where mainly men are constantly moaning about the state of the tech industry, IT systems in companies, crap toolchains and they wonder why women want to put up with it. The question is why do men put up with the shit mostly men are creating? It's not just IT but other fields too.

I'm permanently tied with men not keeping up with these things. You can have wall to wall coverage for a year then when you bring it up you see how many men don't read behind the headlines or beyond the sports pages!



45. **RacerX** October 3, 2022 at 3:48 pm

Woah there trashtalk. There's no claim that women don't have aptitude in tech.

The claim is that there is a distribution of preferences for men and women and that they are different.

This difference leads to two things: 1) fewer women going into tech to start with, and 2) those that DO go into it jump out of it, and frequently into management, at a higher rate than men.

That's the claim.

I agree with you that much tech is tedious and the tools aren't always great. It's one thing to say, "oh, it would be so much easier if X worked this way", than it is to get budget and resources and change the way things work.

Can you elaborate on Developmental psychology?



46.

[Jeremy Reimer](#) October 3, 2022 at 5:25 pm

It's hard to tell if RacerX is just trolling or not, but "It's a myth that women aren't welcome in tech" is just plain wrong, regardless of who says it.

Yes, it is possible to find tech companies that welcome women into their ranks. It may even be possible that RacerX worked exclusively for such companies. But anecdotes are not data.

Here is some data:

"48% of women working in tech experienced harassment compared to 11% of men. And 42% of women reported witnessing harassment (+5%), compared to 27% of men (-9%). 76% of women in tech who experienced harassment said it was by another employee (+13%). 42% said their harassment was perpetrated by a supervisor."

<https://womenwhotech.org/data-and-resources/state-women-tech-and-startups>

These are not "myth" numbers.



47.

RacerX October 4, 2022 at 4:55 am

Nope. Not trolling.

There may be "harassment" in tech. I'd venture that it's about the same as anywhere, but that's not my point.

Many have this idea that if the percent representation of women in a given field isn't 50%, then that's proof of discrimination.

I think people take jobs based on a combination of pay, interest in the work, and life style. What I'm saying here is that much tech work today ISN'T interesting to many women. Not all. It's a distribution. Some will love it, some will have it. As trash talk said, the tools aren't always great. Men seem to be more willing to play with things, even when the technology is pretty bad, than women. Is that a slight against women? Not at all. Just a statement of at least what I perceive to be reality.

Women, in general, are also more verbal. Anyone want to contest that? So jobs that involve communication tend to appeal to them.

Just watch in your workplace – how long do the women in tech stay doing tech? Why do they leave? I think if you observe carefully, you'll find that much of the difference in representation of the sexes in tech comes down to differences in preferences.



48.

[Jeremy Reimer](#) October 4, 2022 at 9:52 am

Quote: "Just watch in your workplace – how long do the women in tech stay doing tech? Why do they leave?"

Again, we don't have to go fishing for anecdotes and personal experiences. There is actual data.

"After surveying 1,000 women working in the tech industry, 38% of participants say men are assumed to be more capable than women at their workplace. Thirty-eight percent of respondents also said they plan to leave their tech jobs altogether within the next two years." <https://www.cnn.com/2021/11/24/38percent-on-women-in-tech-plan-on-leaving-their-job-in-the-next-2-years.html>

So we have data that women are vastly more harassed at tech jobs than men, and that men are just *assumed* to be more competent (which has knock-on effects on promotions and job satisfaction). So they leave. Wouldn't you? I've left jobs for far less egregious reasons.

The thing about assuming that women are more "verbal" and like jobs that involve "communication" is that it doesn't explain why women have vastly increased their presence in other professions, like physicians. In the Americas, 54% of doctors are now women. They still have a 28% pay gap compared to men, and are disfavored for promotions and for upper management, but there's clearly been a massive shift in this area over time. (some data here: <https://apps.who.int/iris/bitstream/handle/10665/311314/WHO-HIS-HWF-Gender-WP1-2019.1-eng.pdf>)

The thing is, I *remember* hearing the exact same arguments being used in the past to explain why so few women were doctors. Medical science was considered "too hard" or "too esoteric" or "too cerebral" for women to enjoy. Women could be nurses, sure, but rarely doctors. Turns out it was just sexism the whole time.

Turning back to tech, we also have to explain why women's participation in tech jobs has *decreased* over the last few decades. In the 1950s, women represented nearly *half* of all programming jobs! Today that figure is less than 25 percent and dropping.

It turns out that what happened was that programming jobs suddenly got prestigious and higher-paid, and so men decided that they should take over. See: <https://www.theatlantic.com/business/archive/2016/09/what-programmings-past-reveals-about-todays-gender-pay-gap/498797/> (I'm probably reaching the allowable limit of links in one message, so I'll stop here)

To sum up, it's reasonable to state that people take jobs based on "pay, interest in the work, and life style." Pay for tech jobs is good across the board, so that isn't an issue for either gender. "Interest in the work" shouldn't have changed dramatically from the 1950s to today, at least not for something innate to either gender. So that leaves life style. And we have data showing that women in tech are, in statistically significant numbers, harassed, assumed to be inferior, and passed over for promotion. So they leave. Wouldn't you?



49. [johnmatthew](#) October 4, 2022 at 11:24 am

I am surprised to know that there are places in America that have no reception. <https://singlebasket.in/brand/apple-iphone/>



50. [Gnarfle](#) October 4, 2022 at 12:18 pm

When I started in IT in 1984, the men did all the heavy lifting and the women did data entry. I was trained as a computer operator by a woman who started as a computer operator but preferred data entry hours. (Kids.) I loved staying up all night playing with various technologies. And management didn't mind as long as the real work got done. In the early 90s, TPTB decided to create an IT Steering committee. And they steered it right into a merger. Actually, it took a little longer than that. Since I had no bona fides and was running the department, they decided to hire a "professional". The first person they offered the job to was a woman. I tend to get along better with women because I grew up in a house filled with them. I was onboard; she chickened out. Lack of confidence, I guess. It seems she thought the job would require more technical expertise. How could it? They let me do it!



51. [racerx](#) October 4, 2022 at 12:44 pm

Where is it that you work that people can get away with harassment?

At any large company that I've worked for since 1987, that was a firing offense.

Turns out, my wife has an M.D. Why more women going into medicine than into tech? Doctors work with people! Writing a program can be, and usually is, an isolating task.

At the place where I currently work, they did a bio of a woman "in tech". She explained how she started out as a programmer, but didn't like that so she moved to management. Another one, bragged how she doesn't code anymore (that's beneath her), she's a "leader". Sure, anecdotal, but I believe typical.

As for opportunity, at most Fortune 500 companies being female is a distinct advantage in job seeking.

As far as changes since the 50's, I'm not sure. Job choices for women were more limited than in the 50's. Maybe all those would-be female programs are going into medicine and law.

Maybe we should reverse my claim: Do you think that men and women have the same distribution of interest in not only tech, but across the board?



o [wwwpirate](#) October 4, 2022 at 6:14 pm

I am with you on this subject.

Women now comprise nearly 60 percent of enrollment in universities and colleges and men just over 40 percent. Oct 27, 2021 – The Hechinger Report

(The Hechinger Report is an independent, nonprofit, nonpartisan organization based at Teachers College, Columbia University. We rely on support from foundations and individual donors to carry out our work).

There are now more women enrolled in universities than men yet they do not enroll in technology by their own choice.

Question should be also why there are not more men in nursing and marketing ?

Regarding harassment that is completely separate issue but why there are no more women in technology that is by their own choice only – they just do not enroll in technology studies by their own choice.



52.

Jeremy Reimer October 4, 2022 at 1:34 pm

Quote: "Where is it that you work that people can get away with harassment?"

I'm compelled by the power of honesty to say that I work for a division of Activision. I'm also legally compelled to add a disclaimer that my opinions do not and never have reflected the opinion of my parent company, and are entirely my own. Use these disclaimers as you see fit. While I will honestly say that I have not personally seen cases of harassment in the particular division / org that I work at, in the broader company at large the problem was so great that the entire state of California sued, and is still in the process of suing, the company.

"Sure, anecdotal, but I believe typical."

See, the issue here is that you're saying that you believe your anecdotes are typical, whereas I'm providing actual data that says they aren't.



o

Seth G October 7, 2022 at 5:06 pm

I worked at Activision when it was small enough that it didn't have any divisions, just two (and eventually three) floors in an office building in West LA. There were, maybe, six women in the studio (out of around 90-100 people), and while I didn't see any sexual harassment while I was there, I have heard enough stories from the women I'm still friendly with to know that they all experienced it.



53.

Jeremy Reimer October 4, 2022 at 1:43 pm

Also, I feel like I have to point out that "Writing a program can be, and usually is, an isolating task" and that "Doctors work with people!", implying that tech workers don't, is also inaccurate. Programmers do not sit in their cubicles and work in isolation. Every programmer is part of a team and must interact with other people on their team, their managers, other teams at the company, and even external teams (including customer support teams) as part of their job. You'd be surprised at how many meetings there are in a typical day.

Yes, there are times when you sit alone and write code. But there are also times when doctors sit in their offices and read.



54.

trashtalk October 5, 2022 at 11:02 am

I'm not going to waste time with people who don't do their own background reading on developmental psychology or discrimination. I am aware it affects both men and women. The problem is ignorance and subjective views make it difficult to discuss. It needs real interest and not falling for polarised viewpoints.

Why does it matter? It affects everything from economics to healthcare to military capacity and everything in between.

These videos are interesting. They contain a roll up of the current position on Ukraine plus other content I find interesting. What is said, how it is said, and who says it. There's the critical content but also the communication and relationship aspects. I wonder if anyone picks up on what I pick up on. lol. Hodges? Get a room.

<https://www.youtube.com/watch?v=ZAhvmZhtW40>

Watch CNBC's full interview with David Petraeus, former CIA director and retired army general

https://www.youtube.com/watch?v=6hclQN5_U34

Watch CNBC's full interview with retired Lt. General Ben Hodges

<https://www.youtube.com/watch?v=slQMKnAIVWw>

Would Putin Really Use Nukes in Ukraine?

https://www.youtube.com/watch?v=Bpid1oG_FJk

Russia's Operations in Ukraine: A Conversation with ASD Celeste Wallander

As for games oh my life. I could share a few things but would doxx myself. I'll skip the architecture and technology issues. I'll also skip life situation and employability issues. (Short version: I can't get a job in the games industry due to discrimination and the change of industry dynamics and content and I'm too old to want to restart career at the bottom.) Before gamergate which was a far right stitch up I was involved in discussions with women in gaming. It's taken 10-20 years to get there but the industry has woken up to women developers and content for women. It's still a bit crap though. It may just be me but I feel games are letting both women and men down. It may just be age. The kind of content I like just isn't made today but then the things which grind my gears are different too as I notice it now more than I did back then.



Vulture Culture October 11, 2022 at 1:23 am

Maybe you could write for "The Register" ?



55.

Jeremy Reimer October 5, 2022 at 1:12 pm

An aside: this has nothing to do with anything, although it's tangentially related to Bob.

Bob's partner in the ill-fated Eldorado "venture" was one Tomas Svitek, proprietor of Stellar Exploration. A few months ago, a cubesat launched (on a Rocket Labs' Electron rocket, not air-launched) on a mission to lunar orbit. It was a test mission to help gather data that could be useful for future lunar orbit missions (like Artemis). Stellar Exploration built the propulsion unit—everything else was built by other companies.

Anyway, kind of cool and exciting, but the cubesat ran into a few problems. First it went into Safe Mode, and later on it unexpectedly went into a tumble and communication was lost. There's still hope that control can be regained and the mission can continue.

You can read more about it here: <https://gizmodo.com/capstone-nasa-moon-nhro-artemis-space-probe-1849541825>



Gnarfle October 8, 2022 at 7:52 am

I'm curious, Jeremy.

Have you read any of the JUMPER series?

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



Jeremy Reimer October 8, 2022 at 10:11 am

I haven't read any of those books. I think I saw the movie though. It wasn't particularly memorable.



Gnarfle October 8, 2022 at 6:59 pm

The movie sux!

I've never bothered to see the whole thing.

I've read all the books twice. You might enjoy Exo.



56.

trashtalk October 5, 2022 at 3:32 pm

Jeremy's still feeling hurt because I got a refund on his book. lol

As for Elon Musk his political views have become so twattish he should stick to rockets and cars because he's not worth the breath.

And Vladimir Putin? Do fuck off.



57. [Jeremy Reimer](#) October 5, 2022 at 9:40 pm

Yes, you're right, trashtalk, as always. If there's one thing we've learned from all our time here, it's that everything that happens is always about you.



o **wwwpirate** October 6, 2022 at 6:00 pm

" If Mama Ain't Happy, Ain't Nobody Happy "



o **Vulture Culture** October 11, 2022 at 1:34 am

<https://www.youtube.com/watch?v=41Hv480RF9I>



58. **trashtalk** October 6, 2022 at 5:53 pm

Oh so many options to pick from. Which one to go for?...

A.) Don't be mean! Miss! Miss! Jeremy is picking on me again!

B.) Oh course it is sweetie. Or is Jeremy projecting? Phwaw. What a cliffhanger.

C.) Vladimir Putin? Do fuck off.



59. **trashtalk** October 6, 2022 at 8:59 pm

Oh my word. This opinion column which is effectively a one page bio on Putin is a bit cutting. Weasel faced fragile loser with a bad comb over? lol.

<https://www.mirror.co.uk/news/world-news/mad-dying-putin-turns-70-28173433>



60. **trashtalk** October 8, 2022 at 5:43 am

Hah hah. Putin has a (slightly used) bridge to sell.



61. [Byron Como](#) October 9, 2022 at 4:46 am

Cringly may have missed the Apple car. If Foxconn can make a car and make iPhones, an iCar is surely not far behind.

<https://www.caranddriver.com/news/a41559186/foxconn-ev-hatchback-ohio-factory/>



62.

trashtalk October 9, 2022 at 6:57 pm

lol. I caught Jeremy out. He stole his last outburst off the latest episode of Andor.



63.

Jeremy Reimer October 9, 2022 at 7:39 pm

I don't even have a Disney Plus. I haven't seen any episode of Andor, and I'm not really itching to start. After suffering through The Rise of Skywalker, Star Wars is basically dead to me.

It may surprise you, but writers often come up with similar ideas independently.

Go watch basically any movie, and see if there's any point at which one of the characters says some variation of "We're running out of time!" (I won't even bother to talk about "Go! Go! Go!") Did all these writers "steal" these lines from each other? Or is it something that has to happen in a time-limited script that needs to hit certain pacing goals to be watchable?

In any case, there is an entire website, tvtropes.com, where you can go to learn more.

Don't hurry back.



o

Gnarfle October 10, 2022 at 6:51 am

A fellow traveler?

In the late 1980's, my sister called me and offered an "ir-re-sist-i-ble" opportunity to see the original Star Wars trilogy.

Yawn!

I thought The Empire Strikes Back was the best of the 3. HATED RETURN OF THE JEDI!

No thanks.

She stuttered at my refusal. She just KNEW I would drop everything and run off to see them with her.

She made a Star Wars joke recently and I asked her to explain it to me.

Of course, I ask everyone to explain things to me; I'm not as young as I used to be.



64.

trashtalk October 11, 2022 at 4:37 am

Oh do be useful, the pair of you.



o

Gnarfle October 11, 2022 at 11:56 am

You know, we are all accustomed to taking action too soon. And that's not a great thing to do. You have to puzzle through a problem before you get to the answer. Erica Jong

"Many people praised me for my bravery for having done this — to which I could only say: Millions of people do this kind of work every day for their entire lives — haven't you noticed them?"

she said in 2018 in an acceptance speech after receiving the Erasmus Prize, given to a person or institution that has made an exceptional contribution to the humanities, the social sciences or the arts.

Can someone verify that an Intel Core i7-3840QM can be used to UPGRADE a Dell E6430 laptop?
FCPGA988, FCBGA1023

"The optimist thinks the glass is half full," he said. "The pessimist thinks the glass is half empty. The engineer knows the real truth: that the glass is twice as large as it should be for optimum utilization of resources."

"It was not granted you to complete the task, and yet you may not give it up."

Nevertheless, when someone creates a system in which you can't tell whether or not you're being fooled, you're being fooled. P.J. O'Rourke

The Cato Institute's president, Ed Crane, calls generally accepted accounting principles "skewed in favor of management, not investors."

Are we happy people doing good work and joking around the watercooler, or are we the unwitting puppets of insidious overlords who control the world in ways we can't fathom?

Your processor design fell off the vulnerability tree and hit every branch on the way down.

"Once your frontal lobe is taken over by stress, you have no more capacity for anything else," says Lisa Son, a psychologist at Barnard College. "You're probably less likely to focus on how you're going to move your skis and how you're going to move your body and your poles."

This means that when you're trying to develop a new hobby, or a new role at your job or in life, there are going to be moments that look like failure. But an awkward stumble or a botched attempt is often a sign that, under the surface, you're learning.

The self-centered moral numbness allowing Fascism to thrive.

Social life is fast, complex and incredibly demanding cognitively. Americans have only recently begun to teach social and emotional skills in schools, and there are plenty of reasons to believe that online life erodes those skills.

Only a fool learns from his own mistakes.

The vise squeezes hardest at the points of least resistance.



Jeremy Reimer October 11, 2022 at 3:32 pm

The full speech is very much worth reading: <https://erasmusprijs.org/en/laureates/barbara-ehrenreich/acceptance-speech/>



65.

W.W.V October 12, 2022 at 2:14 am

How Julian Assange apparently sold Pams stuff for a killer amount of cool...

Whilst everyones just sitting around waiting for Farmergeddon and his cash crop to yield we thought to ourselves what with A.N Other recent clamp down on sites blogs and whatever who can we turn 2 or rather who can we turn states with and then like wow yeah...When we say this we are being Frank With you guys,Bobs Flying column really is the first last and only place to do a job.

Years ago this cute number who worked in a Hertfordshire Police station in the UK who today is like a bigstaff member in the British Police force commanding news paper publishing with more fire power than this entry decided through her smouldering embers to tell someone they where being "Looked" for by the police which was some what bemusing as the persons is standing inside of well shall we say a Police station. Weird right?? I mean like half the world police are their standing with this guy with their firearms and radios and like shit they cant even drag someone into a cell.

The kamal trukers in this world that operate like this cause more trouble than they are worth and at the same time work for any two bit press outlet or cash crop provider... sometimes.....

WWV (U owe US 5 million)
Julian Assange apparently caught covid this week??



66.

trashtalk October 12, 2022 at 6:19 am

An "AI" persona of certain gammon faced far right shock jock has had an "AI" interview with Steve Jobs. See also: "attention seekers" and "clickbait" and "borrowed authority". Just when you were fed up with anodyne punch the air neoliberal CEO's dad dancing on stage someone finds a new low.

One of the things which gets me about Americans is behind the tough talk how many sound whiny. On the other hand at least they're not Russians. Have you heard Putin? He sounds like a loose fart when he speaks.



67.

Jeremy Reimer October 12, 2022 at 6:21 pm

Update on the CAPSTONE mission: it's no longer tumbling in space. So that's good. <https://www.universetoday.com/158025/phew-nasas-capstone-is-no-longer-tumbling-in-space/>



68.

wwwpirate October 13, 2022 at 7:20 pm

Another company is moving into cell to satellite business
Yahsat invests in direct-to-cell enabler eSAT Global
<https://spacenews.com/yahsat-invests-in-direct-to-cell-enabler-esat-global/>



o

wwwpirate October 13, 2022 at 7:44 pm

In unrelated news
Inmarsat wins \$980 million U.S. Navy contract for global communications services
<https://spacenews.com/inmarsat-wins-980-million-u-s-navy-contract-for-global-communications-services/>
I assumed Navy had their own satellite network for communication/tracking or they will use Inmarsat only as backup ?



o

Gnarfle October 14, 2022 at 6:36 am

Does YahSat rhyme with AssHat?

**Questionable_PhD** October 19, 2022 at 5:35 pm

YahSat = the company that refuses to die, despite a dozen Israeli assassination attempts.



69.

trashtalk October 14, 2022 at 11:10 am

Musk royally fucked up with his egotistical intervention in the Ukraine war and got told to sling his hook by the Ukrainians. He's throwing his rattle out of the pram and bellyaching about the cost of supplying Starlink. This is yet another reason why we need to ban billionaires! Too much ego. Too much influence.

Musk is also whining about picking up the cost of defending against cyber attacks and jamming. Well, duh. Don't sell bug riddled insecure shit and expect bad faith actors to ignore this. The twonk.

One reason why people pay tax is so agencies like GCHQ and the NSA and their equivalents in other countries provide network hardening expertise. People also like human rights laws so they're not treated like hire and fire cattle, and this is not a

cost free exercise.

I've donated money to the Ukraine effort so people could eat and children could be looked after. Not a lot I admit but more than zero. It's the cost of civilisation and people out there are dying every single day so Musk can enjoy his tax advantages and posturing. He needs to STFU up and pay up because the cost of not supporting Ukraine is going to be way way worse for the world order than not.



o

PramMillionaire October 15, 2022 at 4:21 am

Every day you wake up, decide not to end it all, adopt this silly persona and stare into the little box of this obscure blog and pour your insipid and inane thoughts into it for... for no one. Hardly anyone reads period, only a couple of people bother replying at all to you. An old tech blogger doesn't acknowledge you exist, so you spend your time sending messages to Elon Musk and Vladimir Putin like a crazy old coot whispering into soup cans. I know there are plenty of people like you (too insane to function without 'quirks' but not insane enough to get on the social), but you've been doing this for years, love, years of staring into that tiny box, adopting the 1980s hooker lingo and ranting and raving for no one. And you do it every day, like a good lunatic. It's admirable in its eccentricity. You could be making yourself a mess in public, you could be catfishing lonely boys with this whole masquerade, but instead you're just a foul presence on a dead American blog. Blimey.



70.

Gnarfle October 15, 2022 at 11:57 am

Crikey! Now she's talkin' to herself!



71.

Legion October 15, 2022 at 11:58 am

My name is Legion.
For we are many.



o

Gnarlife October 21, 2022 at 4:56 pm

Did you ever see that You Tube vid about Goats that climb up F*ugin Dams??

Smells like a bad hand up a Goats crack!! more like....

hope you got a dingy....



72.

trashtalk October 15, 2022 at 3:02 pm

It's amazing how defensive and aggressive men get when they expose their inadequacies isn't it?

As for my comment about Musk he just did a u-turn. Good. That's better.



o

PramMillionaire October 20, 2022 at 11:18 pm

'It's amazing how defensive and aggressive men get when they expose their inadequacies isn't it?'

Takes one to know one, Oliver.

Shall we hold a memorial for this persona, our slightly slippery hooker with the heart of gold and fondness for dead technology from the 1980s? In lieu of flowers please make a donation to the South West London and St George's Mental

Health NHS Trust.



73.

trashtalk October 21, 2022 at 3:45 am

How bizarre. As a sex worker I'm used to dealing with griefers and timewasters. I can spot one a mile way. They never get very far.



o

PramMillionaire October 21, 2022 at 1:46 pm

Oh we're still playing this game, are we?

You've done nothing but beg for attention since you found this site years ago. Now you are getting it. Are you not pleased?

You've been at this for years now, insulting everyone, making up weird stories. It doesn't much matter to me what you get out of it, but you need to stop, find a new persona or go away.

'As a sex worker'

Oh dear, two steps forward, one step back. Do not worry Winston, but we must try harder. It is not easy to become sane. But you'll get there. We'll get there. Together.



74.

[Leonardo Butler](#) October 21, 2022 at 7:49 am

It was something I was curious about. Thanks to you, my day is going well



75.

trashtalk October 21, 2022 at 4:47 pm

Whilst punters may eire their grievance on our poor souls I would like to remind my readers that behind every good man is a good woman! which is more than I can say about "Wonder Woman" Prime minister Lizz Truss...here today and gone tomorrow a half witted MI5 Officer from the GCHQ department who got Lucky and then got sacked.....oh yes really they told her to get lost with her stupid Kamal trucker Chancellor...

You must think were really stupid or something !!!!



76.

PramMillionaire October 21, 2022 at 4:58 pm

Lady your getting seriously silly .



77.

trashtalk October 21, 2022 at 5:31 pm

Now I'm getting someone posting who pretending to be me. They're probably someone jealous and possibly posting under multiple accounts. How sad!



o

?? October 21, 2022 at 6:50 pm

HEY....Honey Pie ,ya know were real good at checkin out credit cards and dat??....I mean like reaaaallll ...



o

OZZY October 21, 2022 at 7:03 pm

You take a nice long walk with that
bog brush of yours and keep all yer quirky
Moundhill shinangins to your shelf.
and leave the queezzy cheezy spaked to OZ
theres a good dick....or ill get your
fakes siezed...wanna call >>??

its 5 mill.....you know the drill.

spy 4now snowmen,



78.

DEEP (STATE) HOLE October 21, 2022 at 6:28 pm

A special message for MR BIDEN (Deep Hole).

May the fleas of a 1001 Kamalis infest your water Hole.



o

Legion October 22, 2022 at 3:13 pm

May the crabs of 1,000 prostitutes nest in your nostrils!

**SCAREBEAR** October 22, 2022 at 7:44 pm

We do not forget.....we will bury you...you owe US 5 Mill.



79.

WE ARE AMONKISTZ October 22, 2022 at 7:37 pm

<http://paste.org.ru/?2iy44s>

22Oct2022_18:56 d2f8..1ca4 <http://paste.org.ru/?o7ijf8>

22Oct2022_18:56 23db..2ed9 <http://paste.org.ru/?yavbv>

22Oct2022_18:55 0a64..17f7 <http://paste.org.ru/?zyfs1m>



80.

DEEP HOLE October 24, 2022 at 6:06 am

MI5 and Mafia Lists .

We will try to make this as painless and simple as possible,
please bear in mind were leftist writers working within
various mediums,think of US as Lez freaks International.

In short Policing in the UK is a business,after all as
we once said in a long buried article the police dont
work for free do they?,they seldom buy second hand items
and most have access to inside lines in cheap products
and of course a large percentage are home owners.

In the UK there are what is known as crime lines,its
a free telephone number used for emergency service and
also to give the police information.For decades especially

in London this service has been used by the MAFIA.

So what is the MAFIA today? well in short its when both the police and state protected criminals work together. The London underworld becoming a mouth peice for their own far right bent cops. Its about power, money and distribution. For example decades ago in New York USA the CIA and fedz realized they couldnt stop Heroin and Cocaine getting into the City ... so what do you do?? CONTAIN IT ! this means being involved in distribution and importation. Look at the UK today and how for example cannabis farms are controlled and you get the idea.

Drug cartels ,money launderers, criminals often work for the police/Mi5 and basically in a few sentences (we write more later on) this is how it workx in certian areas, The drug cartels give users free drugs because they are working with state distribution, the users get bags of gear for calling up crime lines, thats it but its not that simple, the cops are giving the users the info through third partys the files generated on computers through the public crime lines are recovered (stolen) by the mafia cops who work with solicitors and politicians... they keep people on lists as persons being looked for by the police due to public phone information.... this is the CON in UK the police know who you are where you live however they have no intention of solving a crime or arresting. Your perfectly innocent only a drug user will put you up on crime line for free gear every month so their Black/mafia cops can get you listed. Warning BENT COPS ALWAYS DEBT AND USE PARAMEDICS>DOCTORS>COMPANIES CRIINALS ETC to bad debt you simply because your names put up on computer systems/ the mafia cops never solve what you have been accused of because its liez however they will follow you for years and years so their drug user can get free hitz. Theres alot more to explain.... later..

WE DONT FORGET ,YOU'LL BE HEARING FROM US AGAIN> WE ARE ANNONRKISTZ.



81.

DEEP HOLE October 24, 2022 at 6:28 am

For those perhaps wondering..... the mafia/cops make money out of following people about, look at Mr Trump he was followed for months for all that paperwork in his home, the Democrats investigation fees?? millions of Government laundered money paying off their own people..... theres no doubt the last election was rigged everybody with a pea size brain can work that one out... The Clinton Foundation were the best at it they pumped Billions into places like Ireland , In ireland they even hold court hearings were they dont need evidence just some jerk working for a newspaper.... what goes around comes around and Biden recent comments are best ignored.



82.

trashtalk October 24, 2022 at 2:49 pm

Take a good look at the zappowappo nuclear site in Ukraine and you notice not bullet holes but missiles gashes in the roof. What does this say to the US military?? the CIA and the entire Pentagon or perhaps placed another way what if that missile had kinda gone another few meteres either way.

Your not telling OZ anything any more because its gone enter >> DEEP HOLE.

When a muslim leader asks for intervention with tactical nukes you wonder where its all leading to.... we dont think that to be honest that whatever entity fired that missile at the reactor was playing silly games... do you expect US to believe it was a controlled ex[posure]. FORGET IT.

Wako Jako man is bent,,,, on giving ukraine
a billion zillion million dollars to start
Farmageddon,Nato aint going to accept ukraine
if they did Europe would be a crater within
less than 6 months so erm like what about
using world diplomacy?? like every politician
world leader LIKE NOW SORT THIS OUT SOMEHOW
before it blows....you aint gonna be dealin
with the Iranians or Chinese there aint
no compromise there....id have a little quite
word with that ukraine Joker in the pack first because
if he dont back right off their wont even be
a place for IM to dance around in!!!!

This is one hell of an ed truck !
and America is about to self destruct
unless its a GLOBAL attempt.

[illegible]

you still owe US 5 million one way
or the other



83.

yup October 25, 2022 at 5:01 pm

yeeeeeeeeeeeeee..haaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa



84.

wwwpirate October 26, 2022 at 3:02 pm

Iridium sheds more light on direct-to-smartphone plan

<https://spacenews.com/iridium-sheds-more-light-on-direct-to-smartphone-plan/>

It seems just anyone who has communication satellite in space is jumping into cell to satellite business



85.

Sexe Transsexuelle Saint Etienne October 31, 2022 at 10:17 am

[Sexe Transsexuelle Saint Etienne](#) is web place with fine ladies ready for casual contacts with you



86.

Transexuelle Nantes November 8, 2022 at 6:02 am

[Transexuelle Nantes](#) is wonderfull web place with hot ladies ready for casual chat contacts in France



87.

[tom](#) November 10, 2022 at 12:42 pm

so cringely was totally right

<https://www.cnbc.com/2022/11/10/apple-spending-450-million-with-globalstar-others-for-satellite-texting.html>



88

[transsexuelle lille](#) November 14, 2022 at 10:04 am

[transsexuelle lille](#) is great web portal for you if you are alone in France



89.

Geody1963 December 28, 2022 at 8:19 pm

I enjoy reading the similar information [geometry dash lite](#) you post!



90.

Hanna January 3, 2023 at 8:00 pm

Thanks for sharing!



91.

drift boss January 3, 2023 at 8:01 pm

I understood the meaning of the apple symbol after reading this article



92.

Karl January 9, 2023 at 10:25 am

This article taught me a lot. Thank you for sharing.

Karl from Appliance Repair Waco

<https://www.appliancerepairwaco.com/>



93.

David February 15, 2023 at 11:27 pm

How far can you go without reaching the bottom? [Slope Unblocked](#) takes you on a seemingly simple but challenging challenge, do you dare to join?



94.

drift hunters February 27, 2023 at 1:35 am

Wow, awesome.



95.

dordle March 6, 2023 at 11:03 pm

Thank you for explaining this to me. I'm delighted to discover this excellent article.

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