'One small step for a man': Study claims Neil Armstrong's accent may be to blame for his claim his first words on the moon were misquoted

- Armstrong claims he said 'for a man', not 'for man' at the moon landing
- Experts say it could be due to noisy radio link and his Midwest accent
- Researcher explains that our brains expect all syllables to be lengthened proportionally, so since the 'a' is shorter it will sometimes be overlooked

By IAN MCLoughlin WITH THE CONVERSATION
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It's one of the most famous quotes of all time.

'That's one small step for man, one giant leap for mankind,' were the first words NASA astronaut Neil Armstrong uttered when he set foot on the moon at 02.56 GMT on July 21 1969.

Or were they? Armstrong himself has always insisted he said 'one small step for a man' not 'one small step for man'.

Scroll down for videos
Most know the famous quote from Neil Armstrong - ‘That’s one small step for man, one giant leap for mankind.’ However, the Nasa astronaut claims he said ‘for a man’ and not ‘for man’ during the moon landing.

While the former is grammatically correct and meaningful, the latter is contradictory when coupled with ‘mankind’ in the next part of the sentence.

Try and judge for yourself by listening to the recording. Most people hear ‘for man’.

Assuming that Armstrong is correct in his claim (a reasonable assumption since he was the only one there and by all accounts an honest and trustworthy individual) – the reason most of us don’t hear an ‘a’ could be due to a combination of factors including the noisy radio link, the 250,000-mile distance, the stressful situation for the speaker affecting his speaking rate and his particular North American Midwest accent, where the ‘a’ is naturally shortened and merged with the preceding word.

WAS IT ‘FOR’ OR ‘FOR A’?

Most know the famous quote from Neil Armstrong - ‘That’s one small step for man, one giant leap for mankind.’

However the Nasa astronaut claims he said ‘for a man’ and not ‘for man’ during the moon landing.

A researcher at the University of Kent explains this could be due to a combination of factors including the noisy radio link, the 250,000-mile distance, the stressful situation for the speaker affecting his speaking rate and his particular North American Midwest accent.

A study was conducted that played the two phrase ‘for’ and ‘for a’ in a Midwest accent for a group of participants, who found the two indistinguishable and did not hear the ‘a’.
Experts listeners expected all syllables to be lengthened proportionally, whereas the duration of the very brief ‘a’ sound became shorter in comparison to the lengthened syllables surrounding it.

Another factor is how our brains perceive speech.

It is worth noting he also agreed the ‘a’ was inaudible in recordings, but still maintained he had spoken it.

In 2006, news stories reported that audio analysis, including spectrograms like those used for voice prints, had found the missing ‘a’, mysteriously hiding behind a burst of static.

However subsequent efforts by others failed to substantiate this story.

Skip forward a decade, and researchers in the US have finally shed some new light on the controversy.

In some intriguing experiments published in PLOS-ONE, the team analysed a large number of recordings of Midwestern American speech, and also used a group of Midwestern listeners to investigate how the speakers said the phrases ‘for’ and ‘for a’ respectively – and how the listeners perceived them.

Many recordings of Ohio residents speaking both phrases were analysed, and revealed that timing statistics for both versions overlapped so much that it was very often impossible to tell them apart.

This means that whichever version Armstrong actually uttered, it would probably be indistinguishable anyway.

The listeners were then presented with the recordings, including slowed down versions – because Armstrong’s speech was actually spoken quite slowly.
The reason most of us don’t hear an ‘a’ could be due to a combination of factors including the noisy radio link, the 250,000-mile distance, the stressful situation for the speaker affecting his speaking rate and Armstrong’s (pictured) particular North American Midwest accent.

Interestingly, results showed that more people heard ‘for’ as opposed to ‘for a’ when the speech either side of the phrase was itself slow.

This was probably because listeners expected all syllables to be lengthened proportionally, whereas the duration of the very brief ‘a’ sound (which was relatively constant), became shorter in comparison to the lengthened syllables surrounding it.

So if Armstrong did say ‘for a’, it’s quite likely many of us would still hear it as ‘for’ anyway, because of his accent, slow speech and unclear recording.

**WHAT GIVES AN ACCENT ITS DISTINCTIVE TWANG?**

Scientists have spent years unravelling how English speakers with distinctive accents move their mouths - including their tongues, jaw, lips - to produce their different twangs.

And they have created a video library made up of thousands of words it is hoped will be used by language professionals such as teachers and speech therapists - as well as actors learning accents.
Researchers on the Dynamic Dialects project, led by Glasgow University, used ultrasound imaging equipment to record and study mouth movements. The project looked at native English speakers from 48 regions and 16 different countries around the world to build a comprehensive picture of how and why varying accents of English are distinct.

So far the researchers have recorded English speakers from UK, Ireland, USA, Canada, India, New Zealand, Australia, Singapore, Sri Lanka, Hong Kong, Malaysia, Zimbabwe, Nigeria, Tanzania, Trinidad and the Philippines.

The result is a unique library of 1,500 ultrasound videos, designed to be used as a teaching tool for speech and language professionals. Each video includes sets of 27 reference words such as ‘dress’ and ‘strut,’ as well as a brief sample of spontaneous conversational speech from each speaker.

Clicking a point on the map causes a pop-up to appear with a selection of these reference words listed. Selecting a word opens a new tab containing an ultrasound video, complete with audio clip of that word being spoken.

We still don’t know for certain what he said, but with these latest findings, the balance of probability now much more firmly supports his version of events.

So does it matter? Not to Armstrong, who left the Earth for good on August 25 2012.

However it certainly feels appropriate to reaffirm the legacy of someone who was a hero to so many.

It also illustrates some interesting speaking and hearing effects.

Many dialects have short single-syllable words that fuse with the word before or after them when spoken and yet are highly intelligible.

Or consider the Australian accent that some believe to be derived from the heavy-drinking early settlement days as a kind of drunken drawl, leaving behind just the most essential parts of words.
Experts played ‘for’ and ‘for a’ in a Midwestern accents for a group of study subjects. The participants found them indistinguishable and did not hear the ‘a’. This is because listeners expected all syllables to be lengthened proportionally, whereas the duration of the very brief ‘a’ sound became shorter in comparison to the lengthened syllables surrounding it.

Most of us seldom speak words one-by-one anyway, and often flow our words into one another (relaxed pronunciation). Listening to accents or speakers we are familiar with, this works well, but can have amusing consequences when we listen to others.

Did you ever try to guess unclear song lyrics and get the meaning completely wrong?

You are not alone.

This is called a Mondegreen and turns out to be both frequent, as well as occasionally quite hilarious.

It is all due to the fact the human brain is amazingly good at filling in blanks by guessing information that is missing.

If the brain does not recognise speech that it is hearing, it unconsciously searches for the closest match, and then ‘snaps’ the meaning into place.

We hear what the brain thinks is there, rather than what might actually be there. Auditory illusions, like optical illusions with sound, illustrate this.

For example, listen to these examples of sinewave speech, which are acoustic signals from sinewaves that vary in frequency in the same pattern as speech.
Linguists have documented what they're calling the first ever 'regional accent' in American Sign Language (ASL) discovered in Pennsylvania.

Dubbed 'Philadelphia accent', the researchers believe it developed from the 1820s to 1984 when deaf children were educated in specialist boarding schools in the state.

Jami Fisher, linguist and ASL programme coordinator the University of Pennsylvania, said: ‘Philadelphia ASL historically, and I think anecdotally, has always been seen as a little different. We're not really sure why.'

For example, there are different signs for the words 'woman' and 'have,' compared to textbook ASL.

In traditional ASL, the word 'have' involves touching the chest with the forefinger and middle finger using both hands, with the thumbs extended.

In Philadelphia ASL, however, only one hand is used and it is placed on the chest flat, with fingers splayed.

Together with Meredith Tamminga, director of the university's Variation and Cognition Lab, she is documenting the 'accent' in a bid to work out why it is different from other ASL dialects and what leads to regional variation.

When first hearing SWS, we understand nothing.

But listen to the original version of the speech recording, then try again. Like magic, the sinewave speech is suddenly intelligible as the brain now 'hears' it as speech.

Phantom words are another illusion which arises when we hear continually repeated speech.

They are the brain 'grasping at straws' as it tries to extract additional meaning from the syllables being heard.

These are just a few of the exciting and fascinating aspects of speech, hearing and brain research that come together in the field of psychoacoustics, which has given us MP3 music, mobile phone communications, and more great sounding products that literally are one giant leap ahead of 1969.
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**NASA HAHA**
dublin, Ireland, 35 minutes ago

**SPACE maybe the final frontier but It's made in a Hollywood basement !! It's one big club and we ain't in it**

New Comment Reply

Click to rate 0 0

**Steven**
Gig Harbor, United States, about 9 hours ago

**Why haven’t we gone back? A good question with yet another rational explanation. The mission will be entirely different than that of the Apollo missions. We will no longer go there to drop off a few instruments and gather rocks anymore. We will now go with a new mission in mind. Extended stays lasting months on end. This requires brand new technologies to be developed along with the machines to get us there. There is no longer any reason to throw away money for more hop, skip and jump missions. We’ve already done that six times, (seven if Apollo 13 made it).**

New Comment Reply

Click to rate 0 4

**Victor Larios**
TGU, Honduras, about 11 hours ago

**Walk on the moon? Oh! Of course. Do you wahted Moonraker? Was the same stage like on the moon...It's a fake. Never the man walked on the moon to me.**

New Comment Reply

Click to rate 4 4

**NASA HAHA**
dublin, Ireland, about 12 hours ago

**Nasa, Neil, Buzz, all the actor's are part of the club and we ain't in it! EARTH is flat !**

New Comment Reply

Click to rate 4 6

**Jimmy R**
Highlands of Scotland, United Kingdom, about 12 hours ago

**The first time a human being stood on any solid ground other than on earth, probably one of the most momentous acts by anybody since humanoids first moved from being just another animal, and all some rather pathetic people can find to quibble about is the inclusion or not of one irrelevant two letter word. How petty can some people get in order to try and belittle both the achievement and the person who will, whether they like it or not, will go down in history as the first person to stand on another object in the universe other than earth. Somebody please put their dummies back in their mouths to stop them crying.**

New Comment Reply

Click to rate 4 6

**aj1950**
windsor, United Kingdom, about 13 hours ago

**dont matter what or how he said it.....its all bu... MAN ON THE MOON my ar..**

New Comment Reply

Click to rate 2 6

**zaxelu**
ny, United States, about 14 hours ago

*I've made 72500usd so far this year working online and I'm a full time student. I'm using an...*
Add your comment

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MORE TOP STORIES

Who is this week's top commenter?
Dressed down

'It's too much!' Eva Mendes reveals her mother tells her to lower the prices on her clothing line

Speaking her mind!

Long day, Maxima? Dutch queen ditches her heels for flats after a whirlwind tour of her country's Zeeland province (including an impromptu cookery class)

Take that Iggy! Nick Young enjoys dinner date with scantily-clad blonde after his ex-fiancée debuts romance with French Montana

Make-up free Ellie Goulding heads to the gym in tiny black shorts and vest top after a busy week of jet-set partying

Working up a sweat

'I swear I didn't teach him that!' Strictly's Katya Jones shares video of Ed Balls performing yet MORE embarrassing 'dad dancing'

Going Dutch! Sharon Stone and her mystery man enjoy a day out as they cycle around sunny Amsterdam

How a little girl nicknamed Zebra because of the white patches caused by her vitiligo battled her way to become a top model - and has now snared F1 star Lewis Hamilton

There aren't many Stranger Things to wear! Winona Ryder teams huge visor with baggy jeans and bomber jacket to house hunt with her boyfriend

Model mayhem! Lewis Hamilton reunites with former flame Barbara Palvin amid claims he's in a 'secret relationship' with Winnie Harlow

Chasing the girls

'He's got the worst game ever!' Celebs Go Dating viewers cringe as Tyger Drew-Honey tells a woman to 'spit' on sugar cubes in awkward round of truth or dare

'Like a regular Friday night at home with my two legged husband!' Amanda Holden jokes about being bowled over by a pup at the Animal Hero Awards

Daisy Lowe shows off her toned legs in a daring thigh-slit skirt as she waltzes to Strictly rehearsals with hunky dance partner Aljaz Skorjanec
Lingerie designer Caprice shows off incredibly youthful complexion as she and her husband head for low-key dinner in Notting Hill

Business as usual! Letizia of Spain looks smart in a crimson houndstooth blouse in her second engagement since returning from her summer break

'Happy first birthday to my ginger Angel!' Fearne Cotton poses with baby Honey in adorable Instagram shot Apple of her eye

Angelina Jolie calls upon the international community to end the Syrian civil war and increase aid for refugees as she visits refugees in Jordan

'Damn, I am an ADULT!' Christie Brinkley's lookalike daughter Sailor, 18, sizzles in silver gown for first red carpet without her model mom

'She's a lifesaver! Charlene of Monaco shows children what to do in an emergency as she visits Geneva for World First Aid Day

'Apple of her eye

Taylor Swift fulfills a fan's Wildest Dreams by phoning the teen who has undergone five open-heart surgeries and having a half hour chat

Victoria's Secret model Taylor Hill proves her prowess on the catwalk as she closes Thakoon's NYFW show in a silky black jumpsuit

'She's a lifesaver! Charlene of Monaco shows children what to do in an emergency as she visits Geneva for World First Aid Day

'Ooh la la

'Bella Hadid shows why she won GQ Model Of The Year as she flaunts toned abs and slim figure in tight crop top on Paris jaunt

'Embrace your full bogan!' Ruby Rose yells at the TV while watching 'her team' the Geelong Cats playing the AFL finals ... by herself

'She's a lifesaver! Charlene of Monaco shows children what to do in an emergency as she visits Geneva for World First Aid Day
FEMAIL finds the week's best outfit snaps from celebs like Alessandra Ambrosio and Rosie Huntington-Whiteley and reveals where to shop their pieces.

Fifi Geldof and new husband Andrew Robertson enjoy idyllic beach honeymoon as they share new Instagram selfies.

Time to relax.

Making waves! Chloe Goodman shows off her curves in a plunging monochrome swimsuit as she frolics on the beach in Ibiza.

Work it.

SPOILER ALERT: It's a girl! Jennifer Metcalfe gets to work on the set of Hollyoaks as Mercedes McQueen pushes a pink pram through the park.

Busty Kylie Jenner and Tyga hit NYFW bash after revealing her huge sparkler is a 'promise ring'... and she wants an even BIGGER one for her engagement.

'He was a nightmare!' Kanye West 'disappointed' by lack of Kardashian support for Yeezy fashion show... and Kim's 'annoyed' too.

Fuming.

Celine Dion takes inspiration from Britney and Justin's 2001 double denim disaster as she turns heads in a quirky look.

Head to toe.

Censoring herself! Rose McGowan shares bizarre nippleless photo as she reveals her breasts on Instagram.

Making a statement?

Big Brother's Laura Carter puts on a seriously eye-popping display in bold plunging jumpsuit as she enjoys night out at Mahiki.

Busty look.

Love Island's Kady McDermott shows off toned and tanned abs in a sporty crop top as she tries a spot of outdoor yoga in Leicester.

Worked up a sweat.

Kaia Gerber, 15, celebrates after winning breakthrough model award with supermodel mom Cindy Crawford and her family by her side.

'What a phenomenal talent': Victoria Beckham becomes an unlikely social media hit after her cameo in Vogue’s Absolutely Fashion documentary.

Calvin Harris' rumoured love interest Tinashe flaunts her ample cleavage in a plunging jumpsuit... as the Scottish DJ is linked to Eiza González.
Besotted Heidi Klum, 43, and boyfriend Vito Schnabel, 30, look more loved-up than ever as they enjoy a date at the US Open Tennis in NYC.

Good sports

Kylie Jenner shows off her tiny waist in a chic blue dress as she puts on a brave face with sister Kendall after getting stuck in their apartment lift.

Designer darling!

North West carries a $1k mini Louis Vuitton bag on her arm as trendy tot steps out in New York.

Just like mum

Showing him what he's missing? Barbara Palvin stuns in revealing dress... days after ex-Lewis Hamilton is seen on 'date' with Winnie Harlow.

How low can she go! Gigi Hadid wows in daringly plunging dress as she celebrates style icon Tommy Hilfiger at annual fashion awards.

Model behaviour

Jenna Coleman puts on a leggy display in a black velvet dress and checked blazer as she visits the BBC Radio studios.

Super chic

It's a property boom! Jeremy Clarkson blows up his old £4million Cotswold farmhouse to make way for his new six-bedroom 'gentrified' home.

Peachy! Swedish singer Tove Lo shows off her toned beach body in a bandeau bikini as she enjoys sun-soaked break in Miami ahead of her concert.

Shorely they're in love! Dan Osborne and fiancé Jacqueline Jossa pack on the PDA as they flaunt their bronzed figures on Greek beach.

Smitten

Girls just want to have fun! Ex On The Beach's Charlotte Dawson gropes her gal pal as they hit the town for WILD night out in Manchester.

Little Hitch! Leigh-Anne Pinnock suffers minor wardrobe malfunction as she flashes side boob on way home from night out with Perrie Edwards.

Comedian Jason Manford pulls out of a gig just two hours before he was due on stage after his daughter, seven, was rushed to hospital after she was injured at a dance class.

Sofia Richie shows off TWO new tattoos just weeks after turning 18... and were they inspired by her new beau Justin Bieber?

Wasted no time
Catwalk king David Gandy dons a traditional tuxedo as he joins a kilt-clad Prince Charles at fashion industry dinner in Dumfries

Pregnant Katherine Heigl shows off her bump in form-fitting maxi dress as she lunches with her mother in LA. Expecting a boy

It’s all going swimmingly! Ian Thorpe’s boyfriend Ryan Channing shares photo of the loved-up couple in bed after a fun night out

Rosie Huntington-Whiteley shows off her model legs in a slinky silver minidress as she parties with Kate Bosworth at shoe launch

Fifty Shades of Demure: Dakota Johnson stuns in elegant loose-fitting ensemble on low-key outing in NYC. Simple but chic

What a difference a day makes! Rita Ora ditches the NYFW glamour and goes make-up free as she heads out on a low-key outing

Leonardo DiCaprio’s girlfriend Nina Agdal flaunts her ample cleavage in a billowing black dress before slipping into a stylish suit at NYFW

CBB’s Katie Waissel flashes her cleavage and taut tummy in racy photoshoot as she reveals ‘she’ll never forgive Christopher Biggins’

Brotherhood actor Aaron Eaton, 29, is found dead just days after the release of his breakthrough film about London gangland life. Noel Clarke pays tribute

Mickey Rourke plants a giant smooch on his male friend as they bid each other a VERY affectionate farewell after lunch date. Cheeky goodbye

Petra Nemcova flaunts her cleavage in a risqué cut out gown before flashing her abs in a super chic satin co-ord at NYFW. Double the style hits

Just peachy! Jessica Alba makes an elegant entrance to The Late Show in a flowing trench coat and wide leg navy trousers. Style queen
She's still keeping up! Kylie Jenner continues to take style tips from Kim as she dazzles in sheer silver mini-dress for shopping trip

Who knew they were friends? Patsy Palmer, 44, shows off incredible figure in black swimsuit as she hits the beach in Malibu with unlikely pal Camille Grammer, 48

Aidan Turner's mystery lady who was pictured kissing Poldark hunk is 'badass Persian-Swede marketing director Tara Derakshan'

Coiffed chameleon! Jourdan Dunn reveals chic shorter hair as she hits the red carpet at annual fashion awards... her third style in a week Switching things up

PICTURE EXCLUSIVE: 'Secret new couple' Winnie Harlow and Lewis Hamilton party until 5am as they take their rumoured romance from London to NYC

Bumping along nicely! Pregnant Blac Chyna wears TINY sports bra on Snapchat... as she tricks weight watcher Rob Kardashian in preview

Thigh's the limit! Kourtney Kardashian shows off her toned legs in short nautical skirt while eating an icy treat in Monte Carlo

Looking ace! Emily Ratajkowski shows off her pert derriere in tiny Daisy Dukes as she sits in the stands at US Open Championship in NYC

'Secret new couple' Winnie Harlow and Lewis Hamilton party until 5am as they take their rumoured romance from London to NYC

No more mystery! Aidan Turner admits that his new girlfriend is a Persian-Swede marketing executive

Vanessa Hudgens and BF Austin ButlerSalvar are spotted kissing in NYC... days after PDA

Happy news: Sofia Richie pairs a see-through bralette with a transparent top and skinny jeans for Refinery29 NYFW party Left little to the imagination

She's got some front! Adriana Lima flashes her toned tummy and ample cleavage in leather crop top at Maybelline NYFW event Va va voom

Vince gone! Vaughn sports bald head just days after displaying impressive mane at Hacksaw Ridge premiere New 'do

Emily Ratajkowski continues her fearless fashion parade as she dazzles in a sexy black cutout dress with thigh-high split at Fashion Media Awards
Can you believe these are the WORST albums of all time? Justin is edged out... by the Cheeky Girls and 90s novelty hit Mr Blobby.

‘He’s a total sleazebag’: Jason Burrill’s ex-girlfriend slams Big Brother star and warns his new squeeze Chloe Khan to be careful.

Pregnant Natalie Portman unveils her baby bump in a flowing Grecian gown at Planetarium Venice Film Festival premiere. Expecting second child.

Family affair! Clint Eastwood is every bit the proud papa as he is joined by children Scott and Francesca at LA premiere of Sully. His big night.

‘I’d like to see a more macho Bond’: Game Of Thrones’ Daniel Portman reveals how he feels about Tom Hiddleston as he arrives for Oz Comic-Con.

Monochrome magic! Mary J. Blige flatters her curves in statement black and white stripes at Saks event in New York City. Super chic.

She’s golden! Meg Ryan, 54, looks stunning in a shimmering statement pantsuit at screening of her directorial debut Ithaca. Ready for business.

From day to night! Joel Edgerton cuts a casual figure in denim shirt and chinos before changing into a tux to attend New York Fashion Week. Dressed down to dapper.

Study break! Tiffany Trump and mom Marla Maples attend New York Fashion Week show, as the 22-year-old takes a night off from preparing for the LSAT.

Sheer, sequins and straps! Ariel Winter, Julianne Hough and Vanessa Hudgens find very different ways to show some skin on the red carpet.

Look at me now! Zendaya wears statement camouflage jacket as she dresses down to catch a flight out of LAX. All about comfort.

‘My worst nightmare!’ Kylie and Kendall Jenner get stuck in an elevator in New York and have to be rescued by firefighters. Send help.

Water under the bridge? Rob Kardashian follows Tyga on Instagram as he and the rapper’s ex Blac Chyna await birth of their child.
Unlikely pals

Legs for days! Chanel Iman is absolutely stunning in thigh-skimming dress at Jimmy Choo NYFW event

What a figure

Love Island’s Olivia Buckland goes braless and displays her ample assets and tattoos in an extreme plunging mini dress at charity event

Racy

‘People stop noticing you’: Renee Zellweger ‘loved being anonymous’ during six-year acting break before returning for Bridget Jones’s Baby

Olivia Culpo is racy in lace as she wears slinky sheer dress to Jimmy Choo anniversary party at New York Fashion Week

Sheer delight

‘Game changer’: Lance Bass announces he’s hosting Finding Prince Charming with gay men vying for heart of Robert Sepúlveda Jr

Proud moment

GADGET REVIEWS

Xbox One S review: Console that will make your 4K TV shine

Microsoft's Xbox One S has shrunk the giant console by 40%, and is stunningly designed console with 4K HDR capabilities - but comes with some caveats.

The $1,000 wireless speaker that really IS worth the price: Naim Mu-so Qb review

Naim's incredible Mu-So Qb takes you back to the good old days - where the music captivates and enthralls, rather that simply being something in the background.

The hi-tech $2,000 spin bike that really could change your life

Peloton’s hi-tech bike lets you stream live and on demand rides to your home - and it’s one of the best examples of fitness technology out there - at a price.

Apple’s new 9.7inch iPad Pro is a

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powerhouse you can take anywhere

Apple has added a few improvements to the smaller version, creating a tablet that is astonishingly powerful, but, unlike its big brother, is something you’ll be able to carry everywhere.

A familiar old friend that could be the perfect starter phone: DailyMail.com’s verdict on the iPhone SE

The new iPhone SE has a 4-inch screen and familiar design - but has had a huge upgrade on the inside, making it a perfect first time iPhone.

Speaker that looks as good as its sounds: B&W Zeppelin Wireless review

It’s not cheap, but the $699 (£500) Zeppelin Wireless is perfect for the design conscious music fan.

Samsung’s $99 Gear VR gives a glimpse into the virtual world

Samsung’s Gear VR headset is pretty impressive as first-generation devices go.

The iPad grows up: Apple’s iPad Pro

The iPad Pro is, for many, a real laptop replacement - and a way to combine work and play in a gadget that will last all day and won’t break your back to carry.

B&W’s P5 Wireless review - The ultimate commuter headphones

They cost $400, but B&W’s P5 wireless headphones will change the way you listen to music on the move - and could spell the end for annoying wires.

‘A glimpse into the future of the living room’: The new Apple TV

Apple says apps are the future of TV, and while its new $149 box does have some issues, its combination of streaming services, games and other apps make it the best way to make your TV smart.

$799 Blackphone 2 is secure handset anyone can use

The Blackphone 2 is fully encrypted by default and comes with a suite of secure features that let you make calls and send texts that are impossible to eavesdrop on or track.

The end of wonky wifi: Google’s OnHub

It’s incredibly simple to set up, and we found it tripled the speed of our home wifi connection - but at $199 is expensive..

The best all in one wireless speaker you’ll ever hear: Naim Mu-so review

It might not be a name familiar to the US market, but Naim is a legendary British brand hoping to make a splash with the American launch of its $1499 Mu-So speaker.