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CARL AZUZ, CNN 10 ANCHOR: The storm is here. Conditions are getting worse. Everyone should be out of the beach area. That was the word

yesterday from a county official in coastal North Carolina where hurricane force winds were expected to continue blowing into Friday morning. Welcome

to CNN 10 everyone. I`m Carl Azuz at the CNN Center. A few hundred miles east of here, Hurricane Dorian is battering the American coast. After

temporarily strengthening to Category 3 status, Dorian was once again a strong Category 2 storm last night with wind speeds of 110 miles per hour.

A hurricane warning extended as far north as the border between North Carolina and Virginia meaning people near those coasts could expect at

least 74 mile per hour hurricane force winds at some point.

In Charleston, South Carolina forecasters predicted a storm surge, a rise in sea water levels, of five to eight feet higher than where the tide

normally is and up to 15 inches of rain was expected there adding to the flooding. One side effect of hurricanes is that they can cause tornadoes

and those were reported in North and South Carolina as the storm stalked the shoreline. More than a million people in those two states were under

mandatory evacuation orders, which means that if they didn`t leave their homes when they were told to they could be on their own without emergency

responders available when the storm hit. Thursday afternoon officials estimated that around 260,000 customers were without electricity, most of

them in South Carolina. CNN`s Brian Todd found one of the reasons why he was in the historic city of Charleston when Hurricane Dorian`s eye was 45

miles away.

(BEGIN VIDEO CLIP)

BRIAN TODD, CNN CORRESPONDENT: We`re at the corner of East Bay Street and Market Street and we`re going to have our photo journalist Harlan Schmidt

just go right past me down the street on Market. You can see that down power line over there sparking and you might see it explode any minute now

because we rolled up on this thing about 30 minutes ago. There you see

it whipping around and causing sparks but it - - it - - it really explodes

every few minutes and then the lights flicker on, you know, on and off where we are clearly it's knocked out power down Market Street over there.

Significant flooding on Market Street and other streets here in Charleston.

There you see it going. Get ready. It could explode because there's a transformer that really exploded violently a few minutes ago when we rolled

up on this thing. We are a safe distance away from it. We're probably about 150 yards away and we are on the other side of a cross street here.

But we've been having to warn people who's kind of walked around this area to clear out and not go down that street and not drive down that street

because obviously that thing is still whipping around and still very much of a danger. Officials here in Charleston tell us there are also more than

100 downed trees in this area.

They've got 85 road closures in this area, 26 of them flood related including one not far from here near the Ashley River which is a very low

lying river. There you see it sparking again. This thing could really blow in a second because it's been very, very violent at times while we've

been here and very, very dangerous obviously for anybody all along these streets. You know Charleston is used to this kind of thing but this is the

third major hurricane to impact this area in the last three years. You had Matthew in 2016. You had Irma in 2017, now this. They also had 1,000 year

flood event in 2015.

(END VIDEO CLIP)

AZUZ: People across India, the world's second most populated country are closely watching the moon on Friday. India sent a spacecraft there in July

and if all goes according to plan, it's scheduled to land today on the far side of the moon's surface. This would make India the fourth country

to

achieve a soft landing on the moon behind the United States, China and the former Soviet Union. India hopes this mission will bring it a step closer

to putting Indian astronauts in space by 2022 and to solidifying the nations status as a space superpower. It is carried out successful

missions at a fraction of the cost of other country`s missions but analysts say India`s government will still have to invest more money in the years

ahead to realize its future goals.

10 Second Trivia. On the periodic table of the elements, Sn is the symbol for what? Scandium, strontium, tin or antimony. Sn is the symbol for tin

because the word comes from the Latin term for stannum.

Its uses go well beyond the tin man or the tin can or the tin roof. The element has been used for thousands of years to make bronze. It was

probably used to make the window you daydream out of and when people thank the academy for the Oscars they just won, the statuettes they`re holding

are mostly made of tin. Today much of the worlds tin mining takes place in Asia and South America but it wasn`t always that way. A county in

southwestern England used to be king when it came to tin and a walk among the ruins of Cornwall`s tin mines could take you back in time or back to

the future.

(BEGIN VIDEO CLIP)

NINA DOS SANTOS, CNN EUROPE EDITOR: Cornwall`s tin coast, rich in minerals and ruined mines. An industrial legacy which could soon be reborn thanks

to big tech. Tin has been extracted from the rock in this otherwise rural part of the UK for a millennium. In the late 1870s` when these engine

houses were originally built, Cornwall was the worlds biggest producer of tin home to 2,000 mines dotted across its countryside. The last of those,

South Crofty closed its doors two decades ago after tin prices plunged and developing economies cornered the market but now it could be the first to

reopen creating 275 jobs.

And that journey towards Cornwall's mining revival begins here around 300 meters below the surface. Getting the mine up and running in two years

won't be easy. Hundreds of miles of tunnels need to be surveyed and drained but with demands for smart devices on the rise, South Crofty new

Canadian owners think that they can make Cornish tin profitable once more.

UNIDENTIFIED MALE: Tin has been aptly described today as the glue in the - - in the high tech world renewable energy, electric vehicles, power

generation, power storage, 5G. All of these things require tin and what better way to (inaudible) the concept that your source in tin from

potentially areas of conflict or areas where you have child exploitation than to mine it here in Cornwall.

DOS SANTOS: South Crofty could become one of the only tin mines in Europe and North America giving technology companies an opportunity to clean up

supply chains. Cornish tin's future also lies in its past. The region was once the wild west of England. As seen here in the BBC drama Poldark

attracting prospectors from all over the country. They've left their mark on the landscape to the delight of the 4.5 million visitors who flock to

Cornwall each year. Mark Will's (ph) family have been tin miners for four generations.

(MARK WILL): My father was the last one of the (inaudible) to work underground. There was no longer a profit in selling it wholesale. So we

gradually renovated some old machinery on site, sort of producing the tin ourselves. While other people were just interested in the architecture or

the buildings or the physical process the mineral has to go through to get there. It seems to capture different people.

DOS SANTOS: Even if mining doesn't return to Cornwall on its previous scale, this ancient metal is already helping this western province of the

British Isles to shine again. Nina Dos Santos, CNN Cornwall in England.

(END VIDEO CLIP)

AZUZ: We don't know how much tin it took to build this massive machine

but you probably don't want to fight it. A Japanese robotics company developed

this over about six years. It's named "Mononofu" which means "samurai warrior". It's modeled after machines in Japanese animation. It's 27

feet, 9 inches tall and it actually can't get out of its warehouse unless you take off its head first. This is the Guinness World Record for largest

humanoid vehicle. Maybe smaller machines would be "humanoid" by its existence but they'd be "Mononofoolish" to engineer an altercation. We're

not "Decepticonning" you when we say the "Omega Supreme" achievement that takes up some "Optimus Prime" real estate. It's "auto bout" to be truly

"Transformative" for an industry that's already built on nuts and "Voltrons". The competition is just going to have to go "bot" to the

drawing board ya'll. I'm Carl Azuz for CNN 10 and Fridays are awesome.

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