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U.S.S. RELATIVITY

NCV-474439-G

TYPE: TIMESHIP

LAUNCHED: 29th C

LENGTH: 193 METERS

WEAPONS: DISRUPTORS

S,

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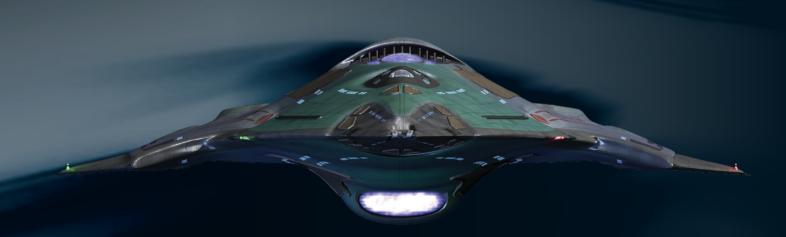
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U.S.S. RELATIVITY

SPECIFICATION



OPERATED BY: TEMPORAL INTEGRITY COMMISSION

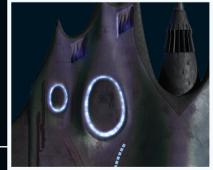
CLASS: WELLS

IN OPERATION: 29TH CENTURY

LENGTH: 193 METERS (APPROX.)

WEAPONRY: DISRUPTORS

CAPTAIN: BRAXTON









The *U.S.S. Relativity* NCV-474439-G was a 29th-century vessel operated by the United Federation of Planets. It was a *Wells*-class ship and was the seventh vessel to bear the name. Its mission was to protect the timeline from disruptions and the temporal anomalies that were caused by time travel. It was staffed by Starfleet officers under the direction of the Temporal Integrity Commission.

The *Relativity's* systems were far in advance of anything available to Starfleet in the 24th century. The familiar LCARS terminals had been superseded by TCARS interfaces that were operated by touch or by simply moving a hand over them. Interestingly, this latter approach was favored by Starfleet designers in the 2250s.

In order to perform its duties, the *Relativity* was equipped with sophisticated sensors that could monitor the timestream. The majority of these sensors were concentrated in arrays around the front and sides of the ship. They were extremely powerful and could be used to monitor events hundreds of years in the past and thousands of light years away from the *Relativity's* position.

TEMPORAL WARP CORE

The *Relativity* was equipped with warp and impulse engines. Matter for the engines was brought in through a substantial intake on the top of the ship, which was just behind the temporal warp core. This was the central element of the ship that allowed it to make journeys into the past.

The *Relativity* was designed to make journeys through time. However, the Temporal Integrity Commission appeared to favor making temporal transports, or sending smaller one-man vessels, such as the timeship *Aeon*, wherever possible.

U.S.S. RELATIVITY NCV-474439-G

In the 29th century, the *U.S.S. Relativity* was dedicated to protecting the timeline from dangerous incursions.

▲ The U.S.S. Relativity was equipped with powerful sensors that were capable of scanning through space and time in order to protect the timeline against temporal incursions. It could then send in an undercover operative to restore the timeline.



SHIP PROFILE U.S.S. RELATIVITY OVERVIEW



■ The Relativity sent
Seven of Nine back to
when the U.S.S. Voyager
NCC-74656 was
undergoing its final
phases of construction.
Here, Seven was
disguised as an ensign
and managed to find the
weapon that would blow
apart the ship. She was
not able to disarm it,
however, and she had to
be beamed out before
she was discovered.



■ Some of the
Relativity's crew were
drawn from races that
were not discovered by
the 24th century.

Lieutenant Ducane was serving aboard the *Relativity* and took command after Captain Braxton was arrested.

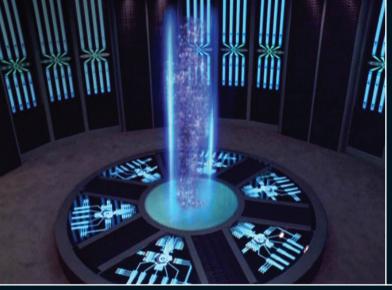
■ By the 29th century, Starfleet had abandoned the traditional two-hulled design. It still retained 'wings' in the position once taken by the warp nacelles.





▶ The crew of the Relativity recruited Seven from 2375 to help find the device because her ocular implant was capable of detecting it. Seven was altered in order to look human, and sent to several time periods. Unfortunately, Seven died twice before discovering that Braxton was responsible.





■ The temporal transporter pad on the bridge was designed to send an individual back in time. This was much simpler than sending the Relativity back in time, where it might be discovered. If an individual was sent back to correct an incursion, it was much more likely that they would remain undiscovered. The crew could stay in contact with the operative through a temporal communicator.



▲ The station at the front of the bridge was principally used to monitor the timestream and control the main viewer. This TCAS console could be activated by touch or by simply waving a hand over the controls.

The Relativity's hull had been specifically designed for time travel and had carefully crafted temporal geometry contours. In order to make a journey through time, the ship had to generate a temporal field; the ship's temporal matrix had to be carefully calibrated or the journey may have had catastrophic consequences. For example, a smaller timeship arrived in the 29th century with an incorrectly calibrated matrix and created an explosion that destroyed the entire Sol system.

Although its mission was peaceful, the *Relativity* was armed, and disruptors were positioned at various locations around the hull, with the powerful main disruptor in the ship's nose. The command center (or bridge) was positioned on the top of the ship toward the front.

The *Relativity* was equipped with all the facilities familiar to Federation vessels, including a number of holomatrix rooms (the 29th-century equivalent of holodecks). The holomatrix rooms were often used to run simulations before operatives were sent into action, and to ensure that everything went to plan.

TEMPORAL TRANSPORTERS

The *Relativity* was also provided with temporal transporters that could beam individuals across time. A temporal transporter pad was located on the bridge. Before a transport was initiated, the crew raised the shields and targeted a specific time and location.

The temporal transporters were extremely advanced. They could pinpoint a specific location

with ease, and were so accurate they could be targeted to the microsecond.

Once an operative had been sent into the past, the *Relativity's* crew could stay in contact by using the ship's temporal communications system. Like the transporter, this could cross time with ease. Visual communication was not usually possible, so the crew had to rely on audio contact.

Normally, the inhabitants of the past had no memory of the *Relativity's* involvement with their time, but on at least one occasion, it used operatives from the 24th century, and allowed them to retain their memories. As a consequence, two people from 2375 – Seven of Nine and Captain Janeway – remembered visiting the timeship and encountering its crew.



DATA FEED

The Relativity was involved in a mission to avert the destruction of the U.S.S. Voyager. Seven of Nine was recruited from that time period to apprehend the person responsible. It was eventually discovered that the saboteur was, in fact, a future version of Captain Braxton. He came to see that the Voyager crew were responsible for his eventual forced retirement and that by obliterating it from the timeline, none of the events that caused his illness would have occurred.

6 U.S.S. RELATIVITY OVERVIEW

SHIP PROFILE U.S.S. RELATIVITY **MAIN BRIDGE** At the front of the bridge there was a rectangular viewscreen, which was used to display data about the timestream and the timeframe being monitored by the ship. In front of the viewscreen was a large helm console that had seating for two officers. On the port side of the upper level was the captain's chair, while elsewhere on the bridge was a temporal transporter. This allowed a person to be beamed into the past, with the temporal sensors permitting the precise moment and location to be chosen.

▲ The seating in front of the viewscreen allowed the crew members to locate past problems in the timeline, and find a way to put them right without anyone from the past being aware that they were there.

- Primary temporal field generator → Secondary temporal field generator 4 Main bridge Main disruptor

→ Central temporal impeller

→ Temporal warp core → Main bridge Central temporal impeller → Forward sensors -- -- --Lateral sensors Temporal geometry contours **DATA FEED** When Seven of Nine was being instructed Matter intake

Temporal warp core

→ Starfleet pennant

....

in the role of temporal interference, she was told about the Pogo paradox. This was a causality loop in which interference to prevent an event through the use of time travel actually triggers the same event.

Main disruptor -

Main bridge

Reaction control system

FAMOUS QUOTE

is to stop everything from Albert Einstein.

MANY LIVES

The episode entitled destroyed. It also included the eighth time that Captain Janeway died in the series.

JANEWAY MEDDLING

U.S.S. Voyager. Braxton meddling with the annoyance, and coined the term to describe it.

Impulse propulsion system

Primary temporal field generator ⊢

Impulse propulsion system -

Forward sensors -

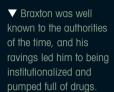


In one timeline
 Captain Braxton was
 the pilot of the timeship
 Aeon, and in another he
 was in command of the
 larger U.S.S. Relativity.

Stranded in the 20th century, Braxton soon became homeless and predicted the end of the world, but no one would listen to him.



► Henry Starling was able to utilize his primitive understanding of the timeship's technology to launch a huge electronics empire.







▶ In the first timeline, Braxton was ordered to destroy Voyager, as it was believed to have caused the destruction of the Sol system.

◆ The Aeon was able to create a temporal riff that allowed Braxton to travel to Voyager's location in the 24th century.



■ Janeway and
Chakotay managed to
track down Braxton in
the 20th century. His
appearance deteriorated
over the years, along with
his mental state. He was
coherent enough to
explain that Henry
Starling would destroy
Earth if he tried to use the
Aeon without properly
recalibrating the ship's
temporal matrix.



CAPTAIN BRAXTON

As captain of two 29th-century timeships, Captain Braxton came into contact with the *U.S.S. Voyager* twice, with disastrous results for himself.

aptain Braxton's first encounter with the *U.S.S. Voyager*NCC-74656 came in 2373.
He was captain and sole crew member of the Starfleet timeship *Aeon*, originating in the 29th century. His mission, as directed by the Temporal Integrity Commission, was to travel back in time to the Delta Quadrant in the 24th century and destroy *Voyager*.

Debris from *Voyager's* hull had been found in a temporal explosion in his century that had destroyed Earth's solar system. It was believed that the only way to prevent the chain of events leading to this cataclysmic incident was

When *Voyager* resisted Braxton's attempts to destroy it, he calmly informed Captain Janeway that she had to lower shields and allow her ship to be destroyed in order to safeguard

to destroy Captain Janeway's vessel.

to be destroyed in order to safeguard the future. He reckoned without Janeway's tenacity, however, and in the ensuing battle, both the *Aeon* and *Voyager* were pulled into a temporal rift, and ended up in Earth's solar system in

For Captain Braxton, this was the beginning of a waking nightmare. The *Aeon* arrived 29 years ahead of *Voyager* in 1967, and crashed in

the 20th century.

the High Sierra mountain range in North America. Braxton managed an emergency beam out, but Henry Starling, a witness to the crash, located the *Aeon* before Braxton.

DOWN AND OUT

The opportunistic Starling used the technology he discovered to build an electronics empire that was responsible for every computer advance of the late 20th century, but Braxton had no such luck. Lost and out of his depth in a world of "post-industrial barbarians," he was forced to eke out a living as a beggar on the streets of Los Angeles.



✓ After Braxton's time in the 20th century, he underwent rehabilitation. He was later assigned command of the U.S.S. Relativity, where he once again came up against Captain Janeway's crew.







Braxton tried to get close to Starling, but the one-time hippy became too rich and powerful, and the captain was unable to recover his vessel. The captain's sad circumstances were discovered when *Voyager* finally arrived through the rift, in the year 1996.

Braxton initially believed Janeway and Commander Chakotay to be social workers, and refused to answer their questions, but on closer inspection of the newcomers, memories of the events leading up to his downfall came flooding back. He blamed Janeway for what had happened to him. Braxton nevertheless passed on a hand-drawn 'schematic' of the chronometric data from the Aeon's sensors, but ranted that it was too late - his timeship had been stolen, and he believed Starling would attempt to pilot it into the future without recalibrating the temporal matrix. It would therefore be Braxton's own ship, and not *Voyager*, that would cause the destruction of the solar system.

Fortunately, the *Voyager* crew were successful in preventing Starling's

journey and the correct timeline was restored. Reinstated as captain of the Aeon, Braxton appeared once more on Voyager's viewscreen, explaining that the Temporal Integrity Commission had detected the starship's temporal displacement, and he had been sent to return them to the 24th century. He was not worried by the idea that he might have lived on 20th-century Earth, or encountered *Voyager* and its crew before. He simply never experienced that timeline.

RECOVERED MEMORIES

Braxton's problems, however, were not over. He ultimately retained a full awareness of the three decades he spent stranded on Earth.

Whatever the situation, Braxton underwent extensive rehabilitation before he was allowed to return to duty. At some later point, he was assigned as captain of the timeship *U.S.S. Relativity* NCV-474439-G.

One of Braxton's missions aboard the *Relativity* brought him into contact

with Janeway once again: he had to locate a saboteur who had placed a temporal disruptor aboard Voyager, causing its destruction. To this end, Braxton recruited the ex-Borg drone Seven of Nine, as her ocular implant meant that she could detect disruptions in spacetime, and because of her familiarity with Voyager.

Braxton sent her to various temporal destinations, including the Utopia Planitia Fleet Yards, just prior to Voyager's launch in 2371, and during a Kazon attack on the vessel in 2372. Braxton pursued his mission with a singlemindedness to the point of bringing Seven of Nine out of time after she had died twice before, even though this might have resulted in her developing temporal psychosis.

Braxton was obsessed by what he called the "Janeway factor." She had been responsible for three major temporal paradoxes, and each time he had to repair the damage. He believed she was reckless and had no regard for the integrity of the timeline. The extent

of the bitterness he harbored only became apparent with the revelation of the saboteur's identity: a future version of Braxton. This haggard figure, suffering from temporal psychosis, told himself that he would be sent into rehabilitation and be forced to retire.

FUTURE CRIMES

The only way to avoid this fate was to obliterate *Voyager* from the timeline. This insane Braxton led Seven of Nine on a chase through time, as he timeshifted from 2372 back to the Utopia Planitia Fleet Yards, then forward to Voyager in 2375. His vendetta was eventually frustrated by the combined efforts of Seven of Nine and Captain Janeway, who were directed by the *Relativity* crew. Braxton's past self was also arrested on the *Relativity* bridge - for crimes he would commit in the future. Braxton was subdued and penitent when beamed to the *Relativity*, to some extent a broken man. The first officer, Ducane, assured Janeway that all of the Braxtons would be reintegrated in



 ✓ With Seven out of

time for the trial, but it remained a sad fate for a competent and loyal officer, who had succumbed to the dangers inherent in working with time.

Eventually, it was discovered that Braxton was responsible for Voyager's destruction. He was caught installing a force three temporal disruptor aboard Voyager This weapon was designed to fracture time and to eventually tear the vessel apart.

action, it was left to Captain Janeway to bring Braxton to justice. Braxton believed that the only way out of his predicament was to wipe Voyager from the timeline, and then all his problems would disappear.





STAR TREK: VOYAGER's

BEST SPECIAL EFFECTS

STAR TREK: VOYAGER's visual effects were among the best ever seen on television - we take a look at some of the show's finest effects.

TAR TREK: VOYAGER's VFX team regularly produced effects that wouldn't look out of place in feature films. From the very beginning, VOYAGER pushed the boundaries of effects technology. The opening titles featured a CG model of the ship when most people were using motion

control; in the third season they started Lauritson. "Memorable sequences using CG creatures (an experiment that culminated in Species 8472); and towards the end they produced unprecedented effects using smoke

"We'd broken a lot of new ground," said VFX supervising producer Peter

for me were Species 8472 and the creatures we created for 'Equinox'; also, I liked putting Voyager on the surface of planets. And of course there was the snow crash from 'Timeless.'"

Since 'Basics, Part I' most of the effects had been computer△ The crash sequence in 'Timeless' saw the U.S.S. Voyager belly-flopping into the mountainside and the huge plume of snow raising behind it.

generated. The show's regular suppliers were Foundation Imaging, Digital Muse and Eden FX, though other effects houses were brought in from time to time; the compositing was done at Digital Magic and CIS.

BIRTHPLACE OF VESSELS

Adam 'Mojo' Lebowitz of Foundation Imaging explained just what went into the shot of *Voyager* being constructed in orbit of Mars. "Fittingly, it all began at Utopia Planitia," said Lebowitz. "The shipyards had been the birthplace of so many of Starfleet's finest vessels. Way back in 1999, Foundation Imaging CG characters ever built on television at the time.

numerous vessels were being built in orbit of Mars.









 ▼ The water planet n 'Thirty Days' was a with the sea complet As Ron B. Moore said

▲ This shot of an elevator from 'Workforce' was a firm favorite of all who worked on it. If you look at the last few frames you'll see Janeway walk off the elevator platform and into the powerplant. Shots like this one was why it was nominated for 'Outstanding Special Visual Effects for a Series,' but it lost out to VOYAGER's finale 'Endgame.'

△ In VOYAGER's final season, we saw Voyager set down on the surface of a planet for a major overhaul, while away teams were sent for supplies in shuttles.

received the script for the STAR TREK: VOYAGER episode 'Relativity.' It featured a shot of *Voyager* being built at Utopia Planitia - a simple shot of the spectacular. Asked about their lone ship in drydock. One ship, one drydock, and that was it. As fans who were working on the show, we couldn't bear to be this close to seeing the shipyards and not go all the way. So, in our own time, we created the entire shipyard and took rough drafts of the shot we had in mind to VFX supervisor Ron Moore and producer Peter Lauritson. Luckily, they were very receptive.

"It may have only amounted to two shots in the final episode, but they were an absolute labor of love for all of effects we'd ever done," said Biller. us. The half-constructed ships looked great (thanks to the hard work of Koji Kuramura), and the image of Mars you elevator and we had a fabulous

from a satellite photo of the real Utopia Planitia, courtesy of the folks at NASA."

favorites, many of the staff, like Lauritson, picked the snow crash in 'Timeless,' and the Borg Queen's entrances in 'Dark Frontier' and 'Unimatrix Zero.'

INSPIRED VISIONS

In the final season, 'Workforce' was particularly well received. Executive producer Kenneth Biller praised it for having some of the highest production values ever seen in STAR TREK. "That show had some of the best visual "When Janeway first went into the plant, she descended on a huge see in the final sequence was made up optical shot of this enormous building."

VFX producer Dan Curry nominated the same shot, and goes on to say that Some of the effects have been quite not all the best VFX sequences were so obvious. "We'd done some shots that don't even look like effects. One great episode was the one with the two doctors both played by Robert Picardo. The EMH went back to see his creator, Dr. Zimmerman ('Lifeline')."

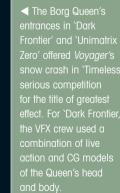
> VFX supervisor Mitch Suskin agreed, although he added that most people would not even have noticed one of his favorite effects. "There was a very strange and unusual shot that was close to my heart in 'Gravity.' There was a binocular view looking at some aliens. It was supposed to have been shot by production, but we pasted it together with still photographs and greenscreen elements, and all that sort of thing. It was a monumentally complicated shot."

VOYAGER's other supervisor, Ronald B. Moore, also mentioned the motion control work in 'Lifeline,' and nominated an exploding building in 'The Killing Game.' "We built probably one of the best miniatures we ever built; it was very big and high scale, and we exploded it real well. It was a lot of fun, and it looked real."

CG CHARACTERS

Peter Lauritson also praised "invisible shots," mentioning CG human figures in the background of some scenes, and one of the final season's most impressive sequences. "For 'Renaissance Man' we created a CG Torres who ran up the wall over Tuvok, and a CG Doctor so we could have many, many Doctors. That was challenging stuff - the boldest that we've ever attempted."







ON SCREEN



TV APPEARANCE:

KEY APPEARANCES

STAR TREK: VOYAGER

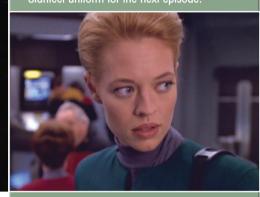
'Relativity'

It is Captain Janeway's first day aboard the U.S.S. Voyager NCC-74656, but there is someone who should not be there: Seven of Nine. It soon becomes clear that she has been sent back in time by the 29th-century U.S.S. Relativity NCV-474439-G. Seven has learned that there is a device installed by someone from the future, and that it will cause temporal anomalies to tear the ship apart. After Janeway almost discovers Seven, which would contaminate the timeline, Braxton beams Seven from Voyager, but she is dead by the time she gets to his ship.

With the benefit of time travel, Seven is recruited again. On the fourth attempt, she is sent to Voyager two years before she joined the crew. Here, Seven is captured by Janeway, but she manages to convince the captain to trust her seemingly implausible story. Working together, they find out that the person trying to plant the device is Braxton himself. The only person more shocked by this is Braxton, who is promptly arrested for the actions of his future self. Meanwhile, this doesn't stop future-Braxton as he is chased through time by Seven, but can she stop him before the side effects of time travel become fatal to her?

TRIVIA

Jeri Ryan found it amusing that in the STAR TREK: VOYAGER episode 'Relativity,' her she describes as "actually very funny." She continued. "I had just done an online chat three or four days before the script came up. As they always do, one of the fans had asked me when we were going to see Seven in a Starfleet uniform. And I said, 'Well never, because she's not Starfleet, of course. Then bam, I get a call from the wardrobe two days later saying, 'We need you to come in for a fitting because you are in a Starfleet uniform for the next episode."



Bruce McGill was the second actor to play the role of Captain Braxton in 'Relativity The first was Allan Royal, who portrayed him in STAR TREK: VOYAGER episodes 'Future's End, Part I & II.



Braxton mentions that Captain Janewa and *Voyager* were involved in three major temporal events. The first was clearly a reference to `Future's End,' while the second was involved in 'Timeless.' This was not Janeway's fault, but Chakotay and Kim's fault. The third is never clearly explained, but could involve the events of 'Endgame.'

SS BOTANY BAY





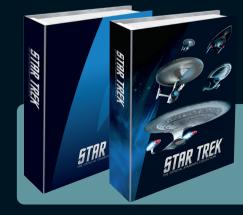
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- In-depth profile of the SS Botany Bay, the sleeper ship of the late 20th century used by Khan Noonien Singh and his followers to escape Earth
- A look at art director and production designer Matt Jefferies' designs for the SS Botany Bay
- Director Nicholas Meyer talks about the return of Khan from 'Space Seed' in STAR TREK II: THE WRATH OF KHAN



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STAR TREK



