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68



DALEK

ISSUE 68



ADVENTURES IN TIME AND SPACE: THE EVIL OF THE DALEKS - PART 2

3

Kidnapped through time, the Doctor encounters his oldest foe.



ANATOMY OF A DALEK: DALEK SCIENTIST

8

The Dalek Scientist expands the boundaries of Dalek knowledge.



STEP-BY-STEP BUILD: PART 68

10

A base frame cover, connecting plate, cover holder and screws.

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BBC



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THE EVIL OF THE DALEKS

PART 2

The Doctor and Jamie are taken back in time and discover who their true enemy is.

**Season 4 Episode 38
First Broadcast: 27 May 1967**

Kennedy attempts to open the safe, unaware of a shape materialising in the chamber. It is a Dalek. Kennedy finds a large amount of money inside the safe, but before he can reach for it, the Dalek speaks. "Who are you?" it says. Kennedy whirls around, shocked. "Answer!" the Dalek barks. Kennedy runs for the door but is killed by the Dalek's energy blast. The Dalek fades away as silently as it arrived.

The Doctor and Jamie arrive at Edward

Waterfield's antique shop and examine the items on display. "All the stuff in here's brand new!" Jamie exclaims. The Doctor notes that they aren't reproductions. He opens a box and finds an invoice from 1866, but again, the paper is new. Jamie has an idea: "Waterfield could have invented a time machine like the TARDIS, Doctor, and he's bringing all this stuff back from Victorian times!"

Waterfield finds Kennedy's body in the chamber. "The human discovered our communication system," the Dalek states. "He would have betrayed us... there is only one form of life that matters: Dalek life." The Dalek fades away again. Waterfield slumps to the ground in despair. "I can't go on with this," he says.

Perry slips back into the antique shop and listens at the inner door. The Doctor and Jamie surprise him. Perry tells them that he knows Kennedy.



Waterfield takes the photograph of the Doctor and tears it in two. He places a piece of it so it protrudes from a box and puts the box on the floor of the chamber.

The Doctor tells Perry that the police box that Kennedy took is his property. They are about to search for it in the yard behind the shop when the inner door opens. They enter Waterfield's office and find Kennedy's lifeless body. Perry tries to call the police, but the telephone isn't working. He runs off to find a policeman.

The Doctor finds the other half of his



photograph in Kennedy's hand. The bookcase slides open, revealing the chamber. The Doctor examines its machines while Jamie spies the other half of the Doctor's photo sticking out of the box. Jamie opens it, releasing a cloud of gas. They both fall to the ground, overwhelmed. Waterfield races into the chamber with a handkerchief over his nose and mouth and closes the box. He activates the machinery, and all three of them fade away.

Perry returns to the shop with a policeman. They enter the office but find Kennedy dead.

The Doctor slowly awakens to the sound of birdsong. He clutches his head in pain. He is in a well-furnished sitting room with Victorian-era furnishings. Jamie lies on a chair, still unconscious. A happy maid, Mollie Dawson, enters the room with a tray. She believes the Doctor and Jamie are guests. They are interrupted by the arrival of Theodore Maxtible and Waterfield. "You're in my house, some miles from Canterbury," Maxtible tells the Doctor. "The date is June the second, 1866." The Doctor is indignant, accusing the two men of stealing his TARDIS, kidnapping him and Jamie, and killing Kennedy. Waterfield says that they are innocent of Kennedy's murder, but the Doctor is dubious. "You will believe, Doctor," Maxtible says. "We are all of us victims of a higher power. A power more evil and more terrible than the human brain can imagine." Waterfield says that his daughter Victoria has been taken prisoner. Maxtible offers to show the Doctor how their situation began.



Waterfield pleads with the Doctor to obey their unseen masters. "My daughter's life is in your hands," he says.

Elsewhere in Maxtible's house, Victoria Waterfield sits in a cramped cell, feeding some birds through a small window. A Dalek enters and orders her to eat. Victoria nods her head, afraid. She is ordered to stand in a machine that calculates her weight. The anguished girl cries out, "For pity's sake, let me go!" The Dalek ignores her. "More food will come," it says. "Eat it, or you will be fed by force!"

The Doctor is led into a laboratory. "I have always been fascinated by the concept of travelling through time," Maxtible says. His theory involves images in mirrors: "Following the new investigations 12



SCIENTISTS



The two scientists mentioned by Maxtible were great pioneers in their fields. Michael Faraday (1791–1867) was an English chemist and physicist who established that magnetism could affect rays of light and that there was an underlying relationship between the two phenomena. He

established the concept of the electromagnetic field in physics and discovered the underlying principles of electromagnetic induction, diamagnetism, and electrolysis. James Clerk Maxwell (1831–1879) was a Scottish physicist and mathematician who was responsible for the classical theory of electromagnetic radiation, which was the first theory to describe electricity, magnetism, and light as different manifestations of the same phenomenon. He demonstrated that electric and magnetic fields travel through space as waves moving at the speed of light.

CUT STORY



Brigit Forsyth played Ruth Maxtible: "The first day I arrived, the director [Derek Martinus] said, 'I'm awfully sorry, Brigit, but we're overrunning so your storyline is cut.' So I was very sad, but he said, 'We've got a lovely costume we've made for you, and I'm sure we'll find something for you to do.' So, I wandered on saying things like, 'Where's Father?' and somebody would say, 'I don't know,' and I would wander off again. Because all the cast knew that there was no reason for me to be there, they sent me up and made me laugh a lot. Frazer Hines came up behind me, and he went [nasally voice], 'Excuse me.' And I went, 'Shhh!' I didn't look at him because I knew he was doing something awful. And he went, 'Excuse me,' and I turned round, and he'd stuffed half a candle up his nose, and he said, [nasally voice] 'Have you got a handkerchief?' And I laughed very, very loudly, and I ruined the take! So, I got into terrible trouble!"



years ago by J. Clerk Maxwell into electromagnetism and the experiments by Faraday into static electricity, Waterfield and I first attempted to define the image in a mirror and then to project it."

The mention of the word "static" triggers an unsettling memory for the Doctor, but he allows Maxtible to continue. The man opens a cabinet containing 144 mirrors of polished metal. Waterfield explains that they subjected each mirror to positive electrical charges. "Like repels like in electricity, Doctor," Maxtible says, his eyes gleaming, "and so next Waterfield and I attempted to repel the image in the mirrors wherever we directed!"

Waterfield says that when positive and negative charges failed, they tried static



electricity. "If only we could have known the powers we were going to unleash," he says. "In the middle of our final test with static, creatures burst out of the cabinet! Invaded the house! Took away my daughter..." Waterfield explains to the Doctor that the creatures forced him to travel into the future and set a trap for him and Jamie.

"What are they called, these creatures?" the Doctor asks. A Dalek emerges from the cabinet behind him. "Doctor! Now do you understand?" it asks. The Doctor turns to see his greatest enemy. "Oh yes. Perfectly," he answers. The Dalek threatens to destroy the TARDIS if the Doctor fails to obey. It wants him to test Jamie as part of an experiment. "You will reveal nothing to your companion. Obey the Daleks! You are in our power!" The Dalek turns and re-enters the cabinet. The Doctor opens the cabinet doors, but the Dalek has disappeared.

Maxtible has a theory about the test: "The Daleks tell me that they have always been defeated by human beings. Possibly because of some factor possessed by human beings that is absent in Daleks? Perhaps they want to find out what it is and transplant it into their race?" Waterfield is horrified by the prospect, believing that it would make the Daleks invincible.

Jamie wakes up. Mollie offers him a drink. Maxtible's daughter Ruth enters the sitting room. Jamie asks about the portrait above the fireplace of Waterfield's late wife and is told about her daughter. Ruth leaves the room. Jamie fails to notice a



large man enter through the French windows. He sneaks up behind Jamie and knocks him unconscious with a cosh. He ducks out of sight as Mollie returns with some tea. She is also attacked by the man.

Waterfield asks the Doctor to keep the test a secret from Jamie. The Doctor refuses. In the sitting room they find Mollie unconscious and Jamie gone. Waterfield realises that they are now in danger. The Doctor agrees: "If we cannot find Jamie, the Daleks will take pleasure in killing everyone in sight, and their greatest pleasure will be in killing me..."



NEW COMPANION

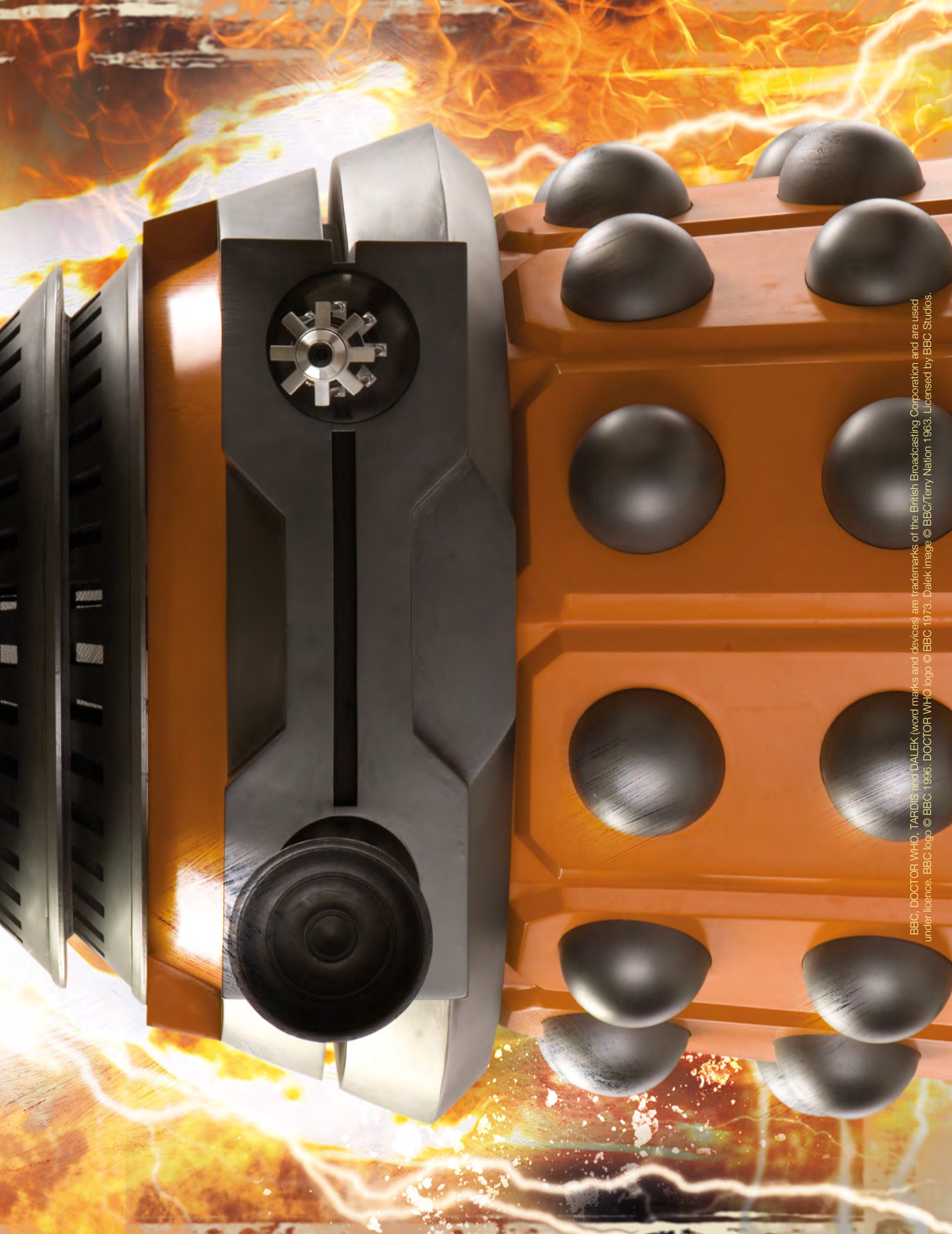


Casting began in late March 1967 for the role of Victoria. Many actors were seen by Derek Martinus, including Pauline Challoner, Celestine Randall, Elizabeth Knight, Gabrielle Drake, Tracy Rogers, and Jo Rowbottom (who was given the role of Mollie). Welsh actor Denise Buckley was offered the part, but the deal fell through. Deborah Watling had been raised in a theatrical family: her father, Jack Watling, was a well-known actor, and she had been working from an early age, including the ITC film series *The Invisible Man* when she was ten. She had played the title role in *Alice*, a 1965 special by Dennis Potter about the life of Lewis Carroll. Producer Innes Lloyd remembered Watling from her appearance on the cover of *Radio Times* for *Alice* and approached her for the role. Watling had previously auditioned for the role of Polly, but Lloyd had felt that she was too young for the part. On Tuesday, 11 April she was announced as the new companion in *Doctor Who*.

THE

CRASH





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DALEK SCIENTIST

Daleks are an industrial species; they are dependent on improving their technology at a steady rate and increasing their knowledge and understanding of the universe.

For this reason, certain clone batches of Daleks are bred with higher levels of intelligence and a capacity for intuitive thinking. They are known simply as Scientists. All Dalek Scientists have an enhanced sense of curiosity that sets them apart from typical Drone Daleks. However, they are still guided by standard Dalek motivations. Scientists regard mathematical problems as concepts that must be conquered. Unexplained scientific factors are perceived as enemies that must be understood and destroyed. Scientists take pride in their work, aware that it is crucial to the Dalek war effort.

A Dalek Scientist was assigned by the Dalek Emperor to be part of the Time Squad – a team of specially selected Daleks chosen for a critical mission to preserve their entire species from destruction. Temporal disturbances originating in the distant past of the universe were altering the Dalek Empire's present reality. New, fully evolved species were suddenly appearing on various planets. The Emperor became deeply concerned that the Daleks might vanish from history completely.





The Daleks made contact with the Eighth Doctor and described the threat. He agreed to work with them. They travelled to Wrax, a planet that should have been a barren world but was now abundant with animal and plant life. The Wraxians were now an ancient empire. They had conquered many worlds with a weapon called the Devolver. The Scientist discovered that the Wraxians had developed the Origin Matrix – the bio data of a specific species. They had taken the technology from an extinct race, the Kotturuh. Using an Origin Matrix, the Wraxians could destroy every example of a species no matter where it was in the universe. The Scientist watched as the species targeted by the Devolver was reduced to a single-cell organism. The Time Squad's Commander wanted to claim the Devolver for the Daleks. The Doctor negotiated a deal with the Wraxians: the Devolver would be destroyed in exchange for the Daleks leaving Wrax forever. However, once he had departed, the Daleks betrayed the Wraxians and destroyed them.

The Doctor deduced that the origins of the temporal disturbances came from the Dark Times – a mysterious era when the universe was still young. Travelling back to the Dark Times was normally impossible, but the Scientist assisted the Doctor in connecting the TARDIS to the engines of the Dalek time saucer, and they were successful in their journey.

The Scientist was soon caught up in a conflict taking place between three separate iterations of the Doctor in the Dark Times. The Tenth Doctor had proclaimed himself to be the "Time Lord Victorious" and had gone back to the prehistory of the universe to destroy the Kotturuh, a species that was passing

judgement on every world it encountered. The Tenth Doctor's interference in the history of the Kotturuh was causing the temporal disruptions in the present.

During the Time Squad's mission inside the Dark Times, the Scientist encountered many

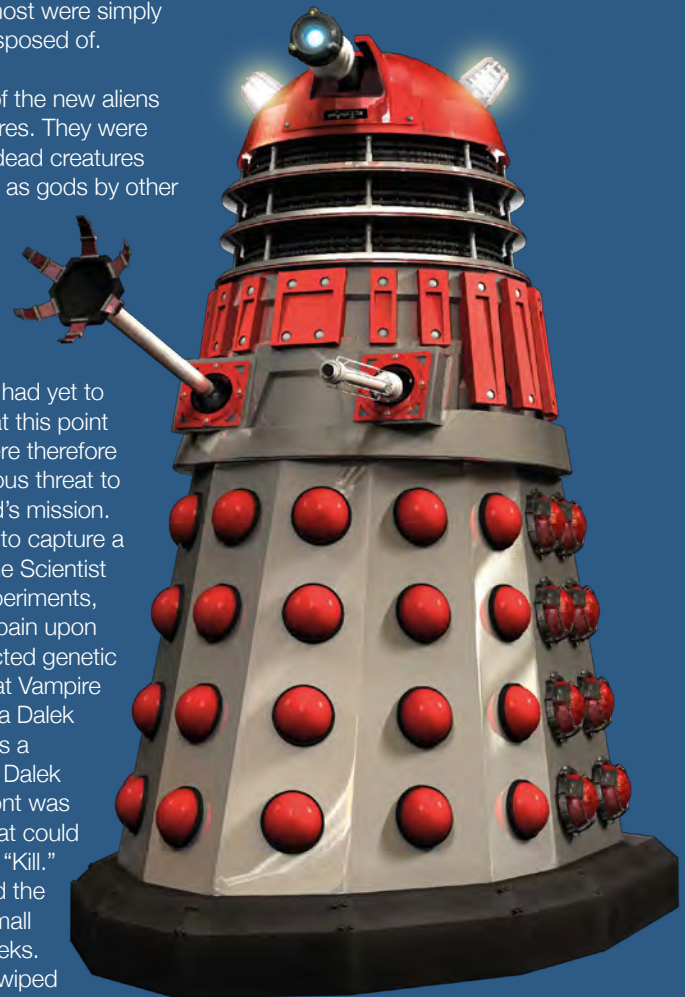
of the universe's earliest species that were previously unknown to the Dalek Empire. The first contact with alien life is of special interest to Dalek Scientists; they are programmed to analyse the biological functions of a new species and determine its strengths and weaknesses, the goal being to find the most efficient way to kill it. The Scientist conducted many torturous experiments on the aliens it encountered. Some were stored aboard the saucer ship so they could be brought back to the Daleks' own time for further analysis, but most were simply studied, killed, and disposed of.

The most significant of the new aliens were the Great Vampires. They were monstrosously huge undead creatures that were worshipped as gods by other undead species. The Great Vampires and their foot soldiers were engaged in a war against the Gallifreyans at the time. The Gallifreyans had yet to become Time Lords at this point in their history and were therefore not considered a serious threat to the Dalek Time Squad's mission. The Daleks managed to capture a Great Vampire, and the Scientist began to conduct experiments, inflicting tremendous pain upon it. The Scientist extracted genetic material from the Great Vampire and combined it with a Dalek mutant. The result was a Symbiont: an undead Dalek mutation. The Symbiont was a primitive creature that could only speak one word: "Kill." The Scientist repeated the process, creating a small army of Symbiont Daleks. They were eventually wiped

out by the last surviving Kotturuh.

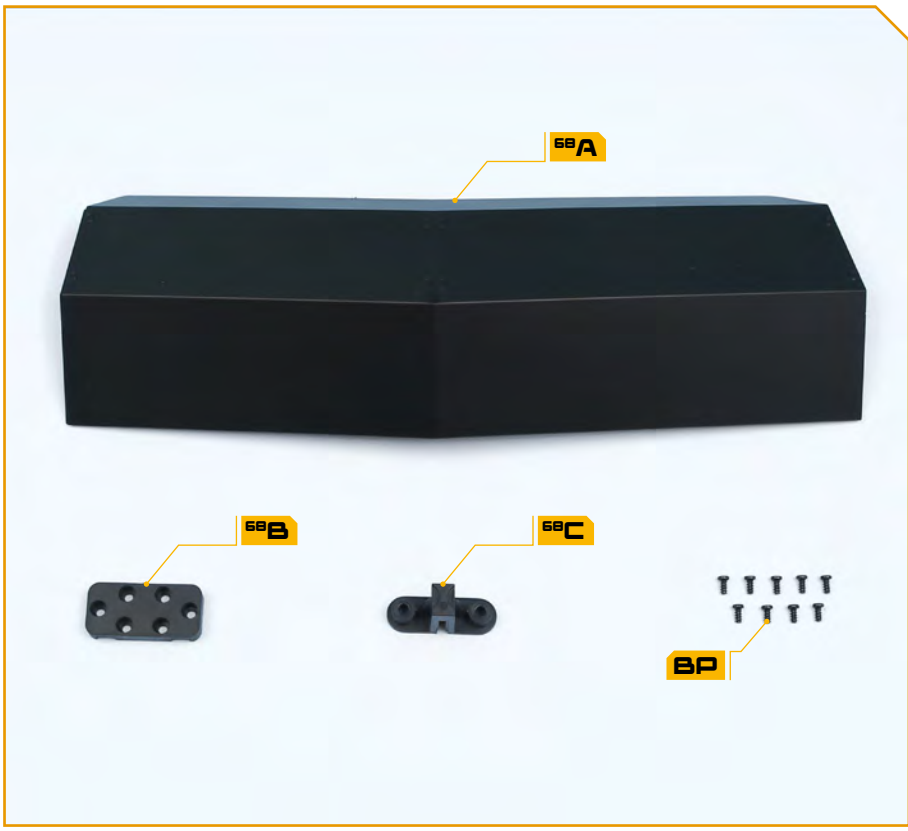
The Dalek Time Squad's saucer was effectively hijacked by the Eighth Doctor and thrown back into the Space/Time Vortex. The saucer's engines were badly damaged, so emergency power was instead taken from the Scientist's laboratory, but this proved to be a fatal mistake. The Scientist found itself outwitted by the Doctor when the Time Lord took control of its laboratory, shutting off its artificial gravity. An explosive charge blew the laboratory and the Scientist into the vortex, where both were torn to pieces by the Time Winds. The Daleks' saucer was destroyed.

The Scientist's dome, solar panels, and sensor globes were painted a distinctive red to mark its status. The rim of its manipulator cone was able to separate into six claws that could be used for dissecting specimens. Its sensor globes were more sophisticated than a typical Dalek and were capable of a complicated analysis of radiation spectrums, chemical compositions, and gravitational forces.



BASE SECTION

BASE ASSEMBLY

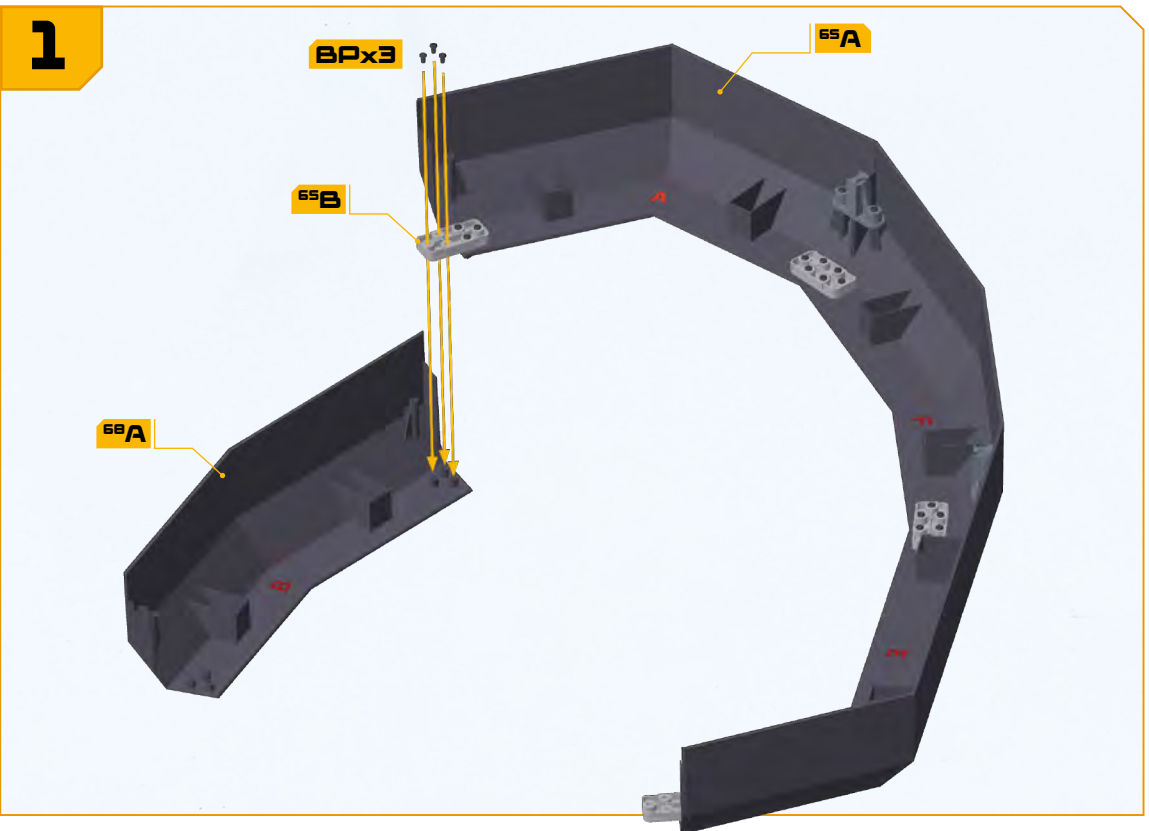


COMPONENTS OF ISSUE 68

- 68A** BASE FRAME COVER (labelled B)
- 68B** BASE FRAME COVER CONNECTING PLATE
- 68C** BASE FRAME COVER HOLDER
- BP** NINE 2.6 X 5MM PB SCREWS (1 spare)

#68-01

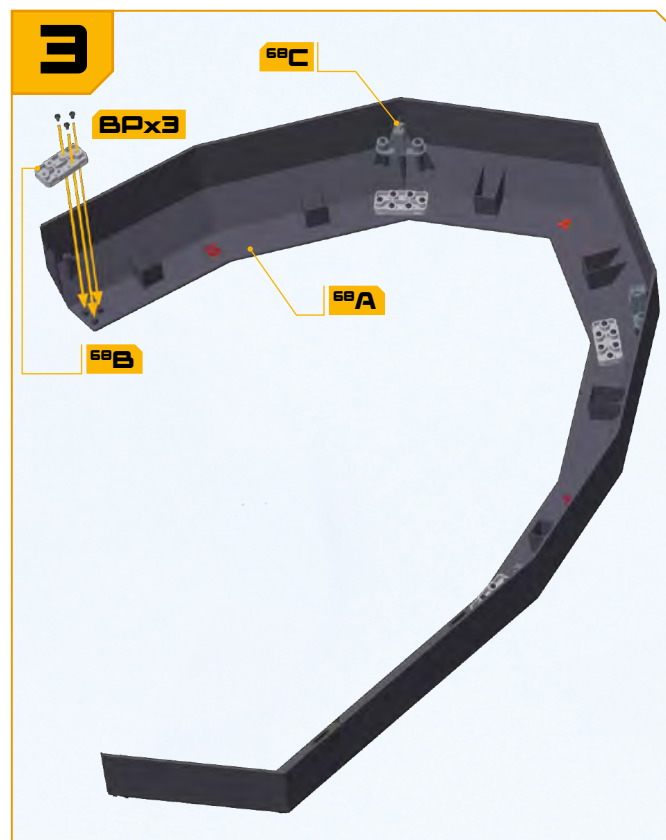
Take the base frame cover assembly from the previous issue. Check how the connecting plate **65B** fits over the raised screw sockets in one end of the base frame cover **68A** (labelled B). Note that plate **65B** is attached to the free end of part **65A**, labelled A. Fix in place with three **BP** screws.





#68-02

Fit the base frame cover holder **68C** over the join between parts **65A** and **68A**. There is a recess in the top of the flanges on parts **65A** and **68A**, and the edge of part **68C** fits in to this. Fix in place with two **BP** screws.



#68-03

Fit the connecting plate **68B** over the raised screw sockets in the free end of cover part **68A**. Fix in place with three **BP** screws.

COMPLETED WORK



#068 COMPLETED WORK

A fourth cover section, and a connecting plate, have been fitted to the assembly.

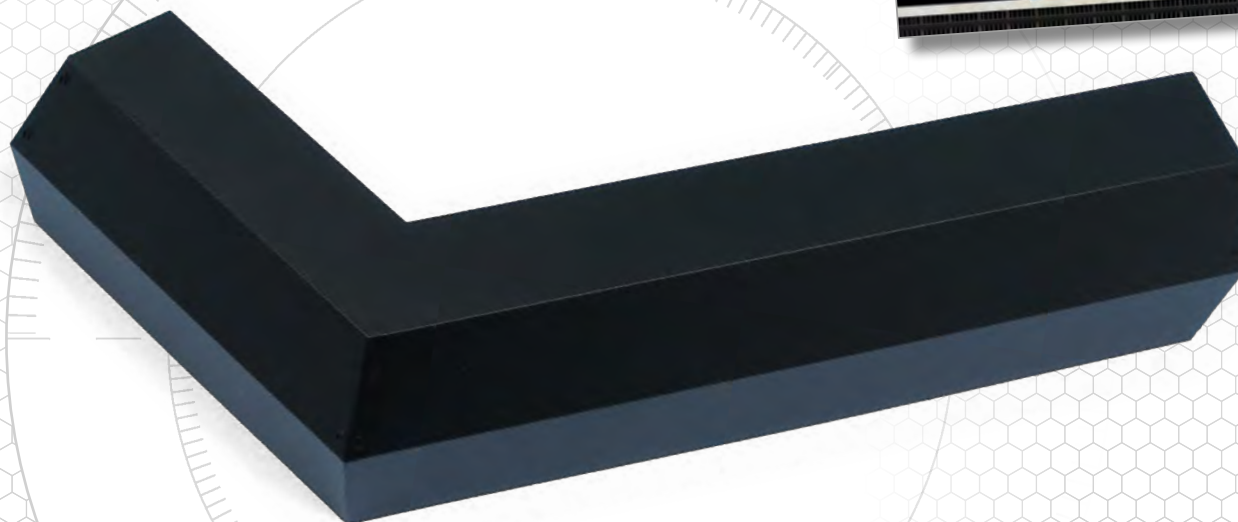
THE DALEK



COMING IN
ISSUE 69

BUILD PART 69

Continue the configuration at the base of the model with another base frame piece, a connecting plate, a cover holder and the fixing screws.



BEHIND THE SCENES



New adventures are featured in *The Dalek Outer Space Book* from 1966, expanding the Daleks' exploits beyond the television series.

ADVENTURES IN TIME AND SPACE



The Doctor fights his former selves in *All Flesh Is Grass*, confronting his past identities in a dangerous and unsettling conflict.

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