





## **SCIENCE FICTION**

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## Vol 2. No 1.

Perhaps by the time you read this the sf film Dark Star will have become more available. So far it has received only one showing in London and luckily John Brosnan was there to record his views on it which you can read in this issue. John has also been busy delving into the annals of tv science fiction unearthing some very interesting facts about Mr Spock's ears, among other things.

Walter Gillings is still writing about Modern Masters of SF concentrating on John W Campbell, best known for his editorship of Astounding Stories. The short story accompanying the article is The Last Evolution, first published in 1932 in Amazing Stories and as far as I know not reprinted in England before.

For more contemporary fiction Ian Watson, the author of The Embedding and also the short story Sitting On a Starwood Stool which appeared in SFM Vol 1 No 10, has contributed Our Loves. So Truly Meridional which indeed traces a rather

strange theme. The rest of the fiction comes from the winners of the Short Story Competition and includes Cosmic Echoes by David Stammers who was one of the four best UK entrants and Return to Earth by Christine Stinchcombe, the best foreign entry.

This issue has departed from the regular trend of the magazine, usually there are two articles and only three stories, but some of you have suggested that SFM should live up to the word fiction in its name. On the other hand some of you have said that you can buy science fiction in paperback form everywhere but articles about sf are hard to find.

Nevertheless whether this particular issue pleases you or displeases you, rest assured that SFM suffers, by no means, from a rigid format; for example our latest innovation is the SFM comic-strip - The Size of Things to Come. 3



# By Christine Stine liconine

oful to the country and the world as a wh read Sandra in her twenty-seventh century English dictionary. She was looking for more information about four members of a twentie century space crew whose first attempt to man an antigravitational spacecraft was

commemorated on this same day by a minute's silence during a TV news report.

They were remembered with respect since their feat allowed new pollutionless techniques to develop and progress. They had also helped, before leaving Earth, to propagate truths connected with this Religion of the New Age and had been, in the 1970s, among the few to be aware of such truths, ie the existence and working of Cosmic Laws which rule mankind's destiny and the many incarnations of every man They were metaphysical scientists and had built their own spacecraft after years of research in the fields of antigravity end the 'vimanic' system of propulsion. Finally, they had

een instrumental in bringing peace to Earth.

Men knew about their Venusian and Martial meighbours, although only a few had met these wonderful beings in the year 2600. Flying saucers, their spacecraft, had not officially landed as—according to their Terrestriel agency a group of New Age Religion Initiators— terrestrial evolution had not reached the not believe it to be true

men but, the fourth member of the crew was most amazing; this young lady with short, blonde, curly hair and green eyes could have been taken for Sandra herself I She could not remember them but a mysterious emotion had suddenly arisen in her heart as though vaque nories of the past had been unlocked from her veiled subconscious mind. And yet, how could she possibly have known any member of this crew who disappeared in space 600 year previously, to the day, and never came back? A week later, Sandra went to the famous Devon Temple of England where she had applied for an interview with the High Priest. Situated on a holy and spiritually historical spot, the Temple was a place where one could worship the Absolute, pray for one's kind with the help of special spiritual practices apparatus, which made prayer more powerful, and where one could also receive healing from an advanced instrument in its Sanctuary

The harmonious shapes of the white building had a strange vibratory effect on those who stepped on its marble floors. From behind a violet-coloured velvet curtain appeared the work-coloured velver curran appeared the tall, wise, middle-aged figure of an Initiate of the New Age Religion who was wearing the golden robe of wisdom. He was known as the Reverend High Priest of the Temple and the High Representative of Spirituality for

There were only five High Priests in the world and these met every year in the presence of a Member of the Occult Hierarchy of the planet who still lived in their secret retreats under a few Holy Mountains of the world. These masters could remain invisible to man if they wished as their own level of vibration
was higher than this plane's matter. The High
Priests ruled a peaceful world as the heads of each continent only acted on their advice. However, peace had only been achieved by men the hard way: after a holocaust of nuclear wars, geological catastrophes and cataclysms which brought mankind to realise painfully that it had invoked the anger of the eleme by its own actions, or infringement of Cosmic

ers of this Peace had actively fought the evil of Earth for centuries efter it had been given its greatest defeat. Thousands had gathered in small groups in different count throughout the years, teaching truths about life and the Universe, trying to save thousands, millions of people from involution, people who had been instituted by evil political minds of mediaeval times, and to whom it had been taught to go to war, to kill their brothers, to uild terrible weapons and through their use pollute and upset the very sensitive balence of



he planet. Some of these men claimed to be It had been madness! All they had was this

world, the Earth they tore to pieces, 'She' who behind her simple planetary aspect is a living, breathing Intelligence. No object is inanimate as all the Universe is a manifestation of the great

Living Creative Power behind all things, or which Man's spirit is a spark. Science had even been prevented from

progressing towards its simplest, pollutionless forms, because it would have meant that new discoveries would have stopped the need for the old; new unlimited sources of energy would have made the others unnecessary. What then of the powers of the world who controlled it and could even blackmail it through its need of energy

During the last days of the old order, the situation had become so bad that the sky of Earth had no longer been a safe place to fly as radioactivity had increased in the atmosphere and caused mysterious aircraft explosions through distortion of their etheric counter pactivity on ground level had caused fires to develop with no apparent reason and to spread so quickly that hundreds of people could not be saved from a terrible death. Yet, in the midst of confused crowds were

incarnations of Interpl guided the people and fought to pacify all ealms of Earth. The pioneers of peace worked with them and set the foundations of the new order with people who had turned back to

Nature, Love and Harmony.

'O I High Priest, I have come to seek your nelp I' said Sandra as she sat with the High Priest in the room of the Golden Disc. 'I see to be obsessed with strange emotions and discontentment since I have seen a photograph of the famous first space crew which never came back here, and there are also so mar questions I ask myself about life, I would like

O I my child, you have come for Truth and or my cnice, you have come for Truth and you have been long expected, answered the High Priest of the Temple, one of the representatives of Spiritual Light. 'Follow me and with just a little help, you will remember knowledge you caised thinks. knowledge you gained during your past incarnation. The channel between your subconscious mind where all memories are stored and your new physical brain will be opened and you will remember I You will know why you feel troubled deep in your soul and that it is She who sends Her calls of the past

'I can see the signs in your aura' he as those marks which make you one of the few persons of this planet to whom we may reveal They have been chosen by the the past. mic Hand of Fate whose mysterious Plan for this world is only known by the Greatests of

'Ot course, this is not Earth' he explained as scenes of a highly technological and mechanised civilisation materialised on the screen. 'The planet exploded because man's heart became diseased with the desire of pov It was a Cosmic Crime for which mankind has only just about repaid all its debts. The souls of Salex reincarnated, indeed, on the Earth which Salex reincarnated, indeed, on the Earth which has also its own race of humans evolved from the animal kingdom. The Engineering race of "Akushat: Ether mailer which records all events of life and which advanced people can road, ise "Akushat encords of Earth: all that has existed has been recorded. The personal akashot record of a human being is standed at the level of the etheric body in Salex was symbolised by 'Technites', and the ace, as 'Autochtone' in Phoenician It seems I have had vague ideas about some

similar happenings in the past' said Sandra. 'It was 18,000,000 years ago' the priest continuer and this is recorded in the most ancient civilisations' traditions but, unfortunately historians and archaeologists have not dared to take their ancestors seriously until science

provided material proof that man's history can be traced as far back as so many million years. Another two scenes of great civilisations

ppeared on the screen, but this time the were on Earth.

'Yes, mankind was brought to this planet because all that was left of its own world was the cold, uninhabitable Moon which had previously orbited, as Salex, between Mars a Jupiter. It became the Earth's satellite because of its karmic link with mankind and for other reasons. Men were giants in those days but reasons. Non were giants in trose days but discovered deadly weapons at the same time as wonderful scientific machinery which allowed them to conquer gravitation. They had flying objects called "Umanss" with which they could stay in the air as long as they wished. thanks to the very natural pra obtaining energy.

The civilisations of Lemuria and Atlantis

destroyed themselves by invoking the negative repercussions of the Cosmic Laws and they both disappeared at hundreds of thousands of years interval in the holocaust of the elements fury. The Earth flipped on its axis and moved away from the Sun. Lemuria was burned by fire 500,000 years ago and Atlantis sank in the Atlantic ocean 70,600 years ago. Each time man destroyed his civilisation, there followed a dark age, some of which coincided with Ice had to rise again from mutation and limitation

used by radioactive release.
'The Earth flipped again 12,600 years ago, using more great catastrophes and the sinking of a few islands where civilisation had flourished and science progressed. 'The inheritors of Atlantean sciences perished,

the world was born again free from any link with the past, and many thousands of years later, knowledge became secret because it was considered dangerous. Some nations wanted to be remembered in history as the fathers of ancient heroes and initiates of their traditions

suspected that the pyramid of Gizeh was more than 70,000 years old. The reason is that it was wonderfully preserved by the continuous pranic flux which pyramidal shapes have the property to attract through themselves.

The Atlanteans had housed a Vimana and various advanced instruments and weapons which the Egyptian Moses was initiated to use by Space People who visited the Earth, some 60,000 years later. With advanced Atlanteen scientific apparatus he was able to open a passage in the Dead Sea's floods for a people which had to be saved from great catastrophes due to be cast down all over the world. They

were protected in the desert whilst the Earth flipped and turned again on its axis and they saw the Sun rising at the place of its setting The planet was, moreover, pulled out of its orbit, and because of this, all calendars had to iewed and a few days added to the year. And now, here is the Essenic pe







Yes, I can see now, said Sandra, that the very famous Christian religion of the twentieth century must heve been terribly distorted if it is to be compared to the original teachings given by Jesus Christ, who we now know was an aspect of a Cosmic Master from the Planet Venus. In the same way as Buddha and other teachers

You had a friend 2600 years ago' the High Priest began again, as the strong figure of Greek Demetrius appeared on the screen. 'You were both slaves of a rich Romen aristocrat. metrius was and still is your soul mate, wherever he is now. He was also your husband in your past life and the companion with whom YOU LEFT EARTH ON BOARD OF THE FIRST ANTIGRAVITATIONAL SPACECRAFT 600

'So that's why ' Sandra thought, but she could not reply because it was too much of a revelation for her and yet deep in her heart end her mind, she was expecting it. She had always known that it had been so, she could, therefore, not disbelieve the Priest, who

You see, my dear child, God's ways are metimes mysterious. We were told to await your coming to us, because you would be uided here, so that we could accomplish what the Cosmic Law expects of us.

Demetrius' image was on the screen, and indeed she felt a tremendous psychic and physical attraction towards the man who had risked his life to spread the freshly-given Christian teachings and to help seve his friends

"I don't understand" she said. "How could I help you accomplish what the Lew wants you to do?"

'Have you ever heard about the prophecy concerning this twentieth century crew? Is it not said that they will return?' asked the priest Oh, yes, indeed, I remember now, it has been the subject of conversation between some of my friends at the College of Sciences, but for some reason I never really wanted to inv the question,' she replied.

'Yes, well, Time had not come, but it has

now. Sandra, you are one of the few privileg-people to have received the Initiation of the Akasha reader. This is through your strange kermic pattern so that we may use your help.

Remine pattern so that we may use your help. Are you ready to give us full cooperation ?'
"Yes certainly," replied Sandra, "but I still do not see how! could be helpful to you."
"My child," said the kind man "this twentieth century crew has disappeared in space and you century crew has disspeared in space and y are the agent-chosen by the Karmic Law who will help us to trace then the theorem that will help us to trace the theorem the theorem that will help us to trace the theorem that the contract of the theorem that the theorem that the contract of the theorem that the theor

'But, was it not in the twentieth century that THEY LEFT EARTH? What became of them? THEY CANNOT POSSIBLY BE STILL ALIVE!'

No, indeed, normally they could not, and one of them isn't! YOU! This is why you are here. You reincarnated, my child! Your soul was attracted back to Earth at the speed of thought as soon as it had left your previous dead body. But the Law is compassionate and it allowed you to be led invisibly to us so that we could use your mind to find out WHAT happened and WHERE the others are. Be confident in this Law, it is like the mind of the Absolute, the One Creator of the Universe. have some idea of what might have happened your three space friends were preserved from death. They, therefore, are now 600 years old. Yet, maybe they are not. If they had died, they would have reincarnated as you did, and we would not have been instructed about your would not have been instructed about your visit. If you will just let me carry on with our Akasha experiment, we shall find out about it all and then, we might be able to go and get your friends out of their mischief! Wherever het care!

they are I' The colourful screen showed the crew in The colourful screen showed the crew in their silvery spacesuits aboard the first terrestrial flying saucer. They desperately wanted to bring material proof to the sceptical men of Earth which would confirm the claims of the New Religion and stop manking's suicide with nuclear wars. They had landed on Mars, where as on all other planets, they could only see and contact the inhabitants through their psychic eye, unless these would materialise for their, because all life vibrates on a higher level on the other planets of the Solar System.

For the first time, they had stood in delightful

d realisation of the presence of radiant Space People who are taller than made of a more refined matter which does not age or become diseased. These inhabitants of other worlds would only meet them in a small aspect of their full consciousness for which they would meterialise a body on a lower leve

of vibration than their own. Martians live underground and have done so since the explosion of Salex, because Mars' meteorites. However, their skin looks very sun-tanned. So is the Venusians' which contrasts with their long blonde hair and blue eyes. They live in Cosmic love, in harmony with the forces of Nature and of their planet,

which they can tap with their minds.

Sandre could now remember the Temples of Light and all sorts of prodigious phenomena she had seen during her past incarnation.

She and her friends had tasted the happiness

of a more advanced civilisation to which did not belong. They had been allowed to land on Mars, Venus and the giant Jupiter, a whole paradisaic world made of music, colour and perfumes, which also provides accommodetion for galactic visitors—but not on Saturn, es the Spirituel Light and Divinity of

Its Perfect and Revered Inhabitants was too sacred to let it be disturbed by the presence of They had kept a radio contact with an Earth base and their scientific information and

revelations caused a real revolution on the planet which proved very beneficial for the future. Their scientific cooperation came as a proof and a confirmation of the new Religion's teachings which were recognised overnight by the twentieth century governments. They were surprised to actually witness how

and pranic energies instead of breathing, eating or drinking. There is, indeed, a vital energy in the 'atmosphere' of these other planets just as there is in the Earth's, although it is not

They were told pranic energy is responsible for the manifestation of chemical elements of gases, and that human breathing is an automatic system ensuring prans absorption, which man would not need the presence of oxygen in the Earth's atmosphere, which carries this vital energy, he would simply, as other planets' inhabitants, directly use solar radiations and magnetic forces which flow around their world The origin of human misery, they were told on Mars, is man's transgression of Cosmic

Laws. Death is a change of environment and the new born baby's body is the result of its super-conscious mind's visualisation which has chosen its parents to be reborn. Reincarnation is repeated until man has learned through experiences and attained the spiritual goal or level of evolution. There is an energy release from a man's action. This karmic influence is reaped by the same person as the reaction to his own action. In this way are human incarnations ruled and linked together with the goal of providing experiences to human souls When it is attained, the individual joins higher

The crew found out that Martian Intelligences
use some incredible power to disintegrate their physical body and recreate a new one So, they

never pass through a state of unconsciousness such as human 'death'.

Pictures were radioed back to Earth with avidence that life exists after death, on different levels of existence and of the workings of Rarmic law in man's lives. And so, people realised on Earth that THEY WERE THE ONES WHO WERE GOING TO REINCARNATE IN WHO WERE GOING TO REINCARNATE IN THE MUTATED BODIES AND THE MARMICALLY LIMITED EXISTENCE THAT THEY WERE PEPARING FOR THEIR CHILD RESISTENCE THAT THEY WERE PEPARING FOR THEIR CHILD RESISTENCE THE CHILD RESISTENCE THE PERAFIT SENVIRONMENTAL BALANCE. THEY UNDERSTOOD THE MESSAGE OF THE WAS THE RELIGION AND OF THE MYSTERIOUS WISTORS IN THEIR WASTERIOUS WISTORS IN THEIR WASTERIOUS WISTORS IN THE WASTERIOUS WISTORS WASTERIOUS WISTORS IN THE WASTERIOUS WISTORS WASTERIOUS WISTORS WASTERIOUS WISTORS WASTERIOUS WASTER

where the view of beauty, harmony and divinity was unbearable for a simple emotional human

After years of study from a base on Jupiter, where they could learn about the whole Galaxy, they probed outside the Solar System and sent no more signals back to Earth because androids and to protect themselves, used a device on board of their spaceship which

transferred them outside of Time. These extra galactic types of robots, indeed, still attempt from time to time to spy or attack parts of our from time to time to spy or attack parts or our of Galaxy, elthough they have been heavily defeated by the forces of the Interplanetary Parliament. The terrestriel spaceship old not have enough power to fight the sliens end they had to use this out-of-time projector which had not sufficiently been tested and had a failure. They became prisoners beyond the barriers of

'You Sandra' said the Priest 'you lost your life at the androids' first fire. When they realised they had nothing to fear from you. or in other words, that you were not one of the elmost indestructible Interplanetary Parliament Spacecraft, they stopped firing end decided to get the crew alive to study their It is then that your friends took refuge out of time where they hoped the aliens could not reach them. For 600 years they have been frozen in another vibration without being able to feel any time progression. They must have been living an eternal moment, I hope for them it was a blissful one."

The analysis was over. The Priest's technical assistents, who had remained silent, had assisting, who had remained shell, had obtained ell information required, so therefore the High Priest celled for an Emergency Stand-by and invited Sandra to take part in the

A large space rescuer took off from the Devo Sanctuary's Airport and glided away smoothly towards Pluto's orbit which they reached three days later.
The crew of about a hundred space travellers initiated into Spiritual sciences and space navigation was used on that ship which was

Sandra was told a vessel in a state of dematerialisation had been located. Would her husbend of the past still be alive? The Priest had told her he had to be. She desperately hoped so, as she seemed to have found a new neaning in life since she had gone through the

for. She would look for him enyway because her life had seemed so dull until this happened! Anthony, Andrew and Thomas could not understand where they were, and what had happened when they were brought back from beyond the frontiers of time. As he stepped out of the craft, Anthony saw the living phentom of his wife whose dead body he was still holding soul had remained on other realms of the Earth, preparing for reincarnation, whilst they were caught in the webs of the unknown, and that they had been rescued in the year

2600. Anthony concluded:

'I am very fortunate to be able to see my wife resurrected, living in a same body, so soon as what has been for me, just after she had died. He asked her 'Do you really remember me? Have you not changed? Are you really the same as you were?"

Sandra assured him her soul had been true to him. The power of love, the mysterious power of the Universe had reunited her to the one she loved and she asked him to call her by the name she used to have: Paule. With strange feelings she contemplated her dead body which was identical to the one her Spirit had

ilded agai

Once more Cosmic Masters had not been allowed to intervene on behalf of terrestrials The law had stated that mankind had to be responsible for itself, otherwise, it would never learn, advance nor gain spiritual maturity. Space travel had been achieved without the

help of the elder brothers and now, a crew of three men had been rescued from eternity by It was a great achievement, another step in evolution, forever written in the Akashic records

None of the three men ever wanted to go back to the past, even if it had been possible

because their outlook had been changed through seeing life on the other more advanced planets of the System and they would have felt alien to their own time

allein to their own time. The tremendous, fantastic experiences they had undergone had made them so different the state of the state of

the Absolute's Law had shown and proved it Perfection.



Thinking about science fiction on television today, programmes such as Star Trek, Dr Who, Time Tunnel and The Six Million Dollar Man immediately spring to mind. But how many more were there? In this article, which will stretch over two issues, JOHN BROSNAN has been investigating the American TV scene looking for any sf-orientated shows screened over there in the past twenty-five years. He's unearthed some fascinating information, especially about Mr Spock's ears; so if that arouses your curiosity, then read on.



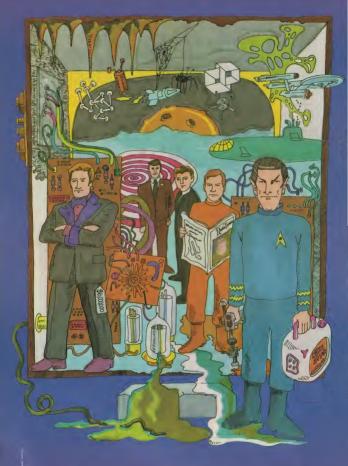
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De-pils, the bits boom in element (action films) in a considerable and the pilson of t





is being pulled across portholes on strings for the cinems serials of the 1930s, Flesh for for example, seem like expensive epics omparison. But despite the obvious cheap-ie of the production Captain Videa became popular end is still remembered with a great of effection by many grown-up. Americans

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received and partially under the control of an option of the formal and the other and of the region of the formal and the other and of the region of the formal and the other world be whited one by the technicisms are controlled to the controlled



7: JOHN W CAMPBELL For many thousands of readers, the Golden Age of science fiction opened in 1937 when John W Campbell became editor of Astounding Stories. It reached its peak in the mich forties, as he featured the work of a brillant new school of writers he had nurtured; work which has lasted through the years and is still being read

There are some who contend it was purely coincidental that writers such

has effective the size some with content it was pixely conficiental that writers when the selection and van Vogt goud opportunity to develop their individual tanfors at this time. But all the long the think, if it had not been for Campbell fail for developing new writers, and for his determination to rate the standards of science fiction, the literature might never have taken this spectocular turn for the better.

Though his own contributions to the medium are not so extend of his more successful 'finds', they were most influential in their day; and the stories he wrote under the name of Don A Stuart are still highly regarded, even if the much-vaunted 'poetic' prose now seems somewhat tortuous. It is, in fact, as an editor rather than an author that he has earned his place as a master of science fiction—and his was indeed a masterful personality, dogmatic, energetic, and completely dedicated, compelling respect and admiration often amounting to swe.

John Wood Campbell, born 1910, was the son of an electrical engineer

employed by the telephone company in Newark, New Jersey. At school he made few friends; at home he had to contend with a father who was a staunch disciplinarian and e mother whose moods were beyond him, and who had a twin sister so identical that he could not tell them apart. His own sister being seven years his senior, he was forced to his own devices such as basement chemistry and bicycle repairing. He also found solace in reading, graduating at the age of 8 from Burroughs' tales of Mars to more serious

vorks on astronom

At 14 he was sent to an exclusive boys' school where he made enemies of his teachers by pointing out their errors, and learned to play a good game of tennis. He did well in physics and Spanish, but left without a diploma. In 1928 he enrolled at the Massachusetts Institute of Technology, where he

1920 he entoiled at the Massachusatts institute of Technology, where he after demonstrating the fallesy of one of his ideas. By then he had become a regular reader of Amazing Stories, in which he found scope her sportling scientific errors committed by unstuded writers. By then he had become a regular reader of Amazing Stories, in which he found scope her sportling scientific errors committed by unstuded writers, and the stories of the s interplanetary travel in which original notions and scientific postulating were equally balanced, and in which the human characters knew exactly what

they were up to even if the readers sometimes didn't His first acceptable manuscript got mislaid in the editor's office; but he made his bow in 1930 with When the Atoms Falled, in which his scientist

index in solve in trace with wave the extens parent, in which his science, in which his science, and we would be a simple with the solve the same solve the solve the same solve the same

With Piracy Preferred, the tale of an invisible space desperado, he intro-duced the talented trio Arcot, Wade and Morey, whose exploits rivalled those of the Skylark stalwarts Seaton, Crane and DuQuesne. Though a few deplored the consolicuous lack of 'love interest' or the prepondera scientific double-talk, such stories as Solarite and The Black Star Passes established him as a favourite with Amazing's steadfast readers—among them "Doc" Smith himself, who pronounced Campbell's work 'soundly

them 'Doc Smith nimsel,' who pronounced camposis' work sound-thought-out, well-written, logically developed, and interesting; confidence in the young author who, he feared, was in danger of having his head turned by the plaudist he was receiving. His first full-length novel, Islands of Space, was heralded as a 'classic'. But it was outdone by Invadars from the Infinite, in which the interplat for deshed about the cosmos in

search of their quarry, crushing all opposition en route with their world-

The course of Campbell's own career was not so certain, however. Or leaving MIT, where he gained no special distinction, he married a young ex-student named Dona Stuar. Then he went to Duke University to study physics and get his science degree. Times were hard, and aithough what

physics and get his science degree. I miss were netd, and attrough what money his writing prought in helpeat to make ends meet, eventually he had to At first he sold care, then ventilator-fans, then gas-hesters. But he did not abendon science fiction. Seeking more openings for his work, he made three appearances in Warder Stories in 1932, but returned to Amazing with Beyand the End of Space and The Battery of Hate, which were more con-

cerned with aviation than space-trevel and did little to lift the magazine out of the doldrums into which it had settled.

More significant was The Last Evolution, in which he pur More significant was the case evaluated, which in abused on the terms or intelligent machines striving to save their makes from destruction and middless of the striving of the strip of

to the far future where the machines serve a dying civilisation. Strongly reminiscent of Wells, it was highly praised by readers and influenced other writers towards a more thoughtful approach to ideas which, though familiar,

writes towerds a more thoughful approach to ideas which, though familiar, which though familiar to the control of the control

At 25, he was still a spare-time writer, working at several jobs before he pland some experience of editing and publishing as a technical writer for a

chemical firm. This did not content him, however, and he was trying to make cleating into the content into the owner and the what styring to new system which in an in Advounding in 1936-7, lasting for eighteen issues. A series of stories suggesting the quaint life-forms that might exist on other planets, as encountered by a pair of space-rovers, Penton and Blake, also proved popular with readers of the new Thrilling Wonder Stories, which continued to feature Campbilling work even after he had become editor of

When the news that he had succeeded Tremaine was circulated by the fen press, it was treated with scepticism. But, once at the helm, the new

When the never that he had accessed Tremains was circulated by the fine press. It was treated with saspitisms flux once at the half, the arms and the pressure of the pressure

magazine that proved the most rewerfaing and his own stories that found an appreciative new audience, along with those of his accomplished disciples. Simultaneously, the small publishers who first saw the possibilities for expanding the field begen to issue volumes for collectors; snong them 7the Mightiest Machine (1947), to be followed by 7the Incredible Planet (1949), which included two other talles of Aam Munro hitherou unpublished. Campbell had written them as sequels to the Astounding serial, only to have th rejected by Tremaine on the ground that the super-science spic had had its day; and after a lapse of fifteen years they had little more than a nostalgic Interest. Yet, by the 1950s, the demand for this 'classic' material brought the revival of all the Arcot, Wade and Morey adventures in both hardcover and paperback, and a bulky volume reprinting the whole series from Amezing

paperback, and a bulky volume reprinting the whole Series from Amsking spepared as recently as 1973. In 1951 came The Moon is Hell!, a new novel in the form of a diary relating the experiences of the first lunar explorers and their grim struggle to survive. The book also reprinted The Elder Gods; and the finest of the Stuart stories

The book also respirated The Elder Gods; and the finest of the Stuart stories were presented in two volumes, both earlying Campbillia's own by-line-Who Gods There? (1846) and Cloak of Asast (1852).

Who Gods There? (1846) and Cloak of Asast (1852), solid the Stuart Studies of Studies (1846) and Studies (1846). The Studies of Studies (1846) and Studies ( narrison. Analog onling the two the of the inagazatin from which, in 1960, in finally succeeded in removing the adjective he always disliked in favour of one more suggestive of Science Fact than Science Fiction.

To the fans who gethered round him at conventions, even before the name-change, Campbell's magazine seemed dull and heavy as he concerned

himself and his new stable of writers with matters that werged on the occult and the inscrutable. Stories based on 'psi' phenomena, clairvoyance and televinesis were the vogue; magical gimmicks became an obsession; then

kinesis were the volger, haging similaries became an obsession, then politics and sociology ellowed their way in. Yet Analog continued to outself its rivals, and to provide the meet for a whole series of anthologies edited by Campbell, who stubbornly defended his new policy. Science fiction, he argued, is a convenient analog system for thinking about new scientific, social, and economic ideas—and for reexamining old ideas'. And: 'My business is directly concerned with the pro-gress and achievement of the human race; any orthodoxy that tends to sidetrack or otherwise impede progress is inter fering with my do what I can to sabotage them'

do what I can to sabotage them: He was still pursuing his relenless way when a heart ettack brought to a close, in July 1971, the career of a true loonoclast of whom another talented editor, Frederik Pohl, has written: 'in e field dominated by Idiosyncratic and able editors, he was the best of them all. He succeeded in all his aims. Only Campbell would have argued with that.

## The Stories Of John W Campbell

These are listed in chronological order as published in the USA. Dates in brackets indicate UK publication. Paperback editions (pb) are included only where there was no previous publ not identical

Novels: 1947. The hightest Machine 1949: The Interedible Planet (with 7 he Inter-1947: The hightest Machine 1949: The Interedible Planet (with 7 he Inter-1947: The Machine 1949: The Interedible Planet (with 7 he Editer Gords), 1953: The Black Star Passes (with Planey Preferred & Sobaint), 1968: Islands of Space, 1961: Invaders from the Infinite, 1973: John W Campbell Anthology: Three Novels (The Black Star Passes, Islands of Space, Invaders from the Infinite).

Short story collections:
1946: Who Goes There? 1952: Cloak of Aesir. (1952 pb\*): The Thing and Other Stories (Who Goes There?). 1955 pb: Who Goes There? and Other Stories (Including The Story of Aesir). (1973): The Best of John W Campbell. "Also published here 1966 as 'The Thing from Outer Space."

I AM the last of my type cristing today in all the Solar System, I, too, am the last cristing who, in memory, sees the struggle for this System, and in memory I am still close to the Centre of Rulers, for mine was the raing type then. But I will pass soon, and with me will pass the last of my kind, a poor inefficient type, but yet the creators of those who are now, and will be, long after I pass forever.

So I am setting down my record on the mentatype.

It was 2538 years After the Year of the Son of Man. For six centuries mankind had been developing machines. The Ear-apparatus was discovered as early as seven-hundred years before. The Eye came later, the Brain came much later. But by 2500, the machines had been developed to think, and act and work with perfect inde-

pendence. Man lived on the products of the machine, and the machine lived to thorselves very largelly, and contentedly. Machines are designed to help and cooperate. It was easy to do elasting to help and cooperate, and the second of the machine lived of the cooperate lived in a world where no productive work was necessary. But the machine lived in the cooperation of the cooperation by the cooperation of the design for existence through a million year, and quickly from any form of life, so their energies quickly from any form of life, so their energies were been to mode that now, where cell one no Up to the year 2100, the numbers of mankind had increased rapidly and continuously, but from that time on, there was a steady decrease. By 2500, their number was a scant two mill of a population that once totalled many hundreds of millions, and was close to ten billions in 2100 Some few of these remaining two millions devoted themselves to the adventure of discovery and exploration of places unseen, of other worlds and other planets. But fewer still, devoted themselves to the highest adventure, the unseen places of the mind. Machines-with their irrefutable logic, their cold preciseness of figures, their tireless, utterly exact observation, their absolute knowledge of mathematics-they could elaborate any idea, however simple its beginning, and reach the conclusion. From any three facts they even then could have built in mind all the Universe

## TEEE LAST EVOLUTION BY JOHN W GAMPRELL

'It must be the dream of countless numbers to reach the acme of evolution—which, quite likely, would bring with it nearly everlasting life and remarkable progress—but how many, we wonder, would be willing to forego their human weaknesses to attain the highest state as it is vividly portrayed by our young author, marvellous as such a degree of evolution unquestionably is?'

The original introduction to the first publication of the story in 'Amazing Stories' 1932.



Machines had imagination of the ideal sort. They had the ability to construct a necessary future re-sult from a present fact, But Man had imagination of a different kind, theirs was the illogical, brilliant imagination that sees the future result vaguely. without knowing the why, nor the how, an preciseness. Man might reach the conclusion nore swiftly, but the machine always reached the conclusion eventually, and it was always the correct conclusion. By leaps and bounds man advanced. By steady, irresistible steps the machine

Together, man and the machine were striding hrough science irresistibly.

Then came the Outsiders. Whence they came. neither machine nor man ever learned, save only that they came from beyond the outermost planet, from some other sun. Sirius—Alpha Centauri—perhaps! First a thin scoutline of a hundred great ships, mighty torpedoes of the void a thousand kilads\* in length, they came.

And one machine returning from Mars to Earth was instrumental in its first discovery. The transport-machine's brain ceased to radiate its sensations, and the control in old Chicago knew mmediately that some unperceived body had destroyed it. An investigation machine was instantly dispatched from Diemos, and it mainained an acceleration of one thousand units\*\*. They sighted ten huge ships, one of which was already grappling the smaller transport-machine. The entire foresection had been blasted away

The investigation machine, scarcely three inches in diameter, crept into the shattered bull and investigated. It was quickly evident that the damage was caused by a fusing ray.

Strange life-forms were crawling about the ship, protected by flexible, transparent suits.
Their bodies were short, and squat, four-limbed
and evidently powerful. They, like insects, were equipped with a thick, durable exoskeletor horny, brownish coating that covered arms and legs and head. Their eyes projected slightly, protected by horny protruding walls-eyes that were capable of movement in every directionand there were three of them, set at equal dis-

The tiny investigation machine hurled itself violently at one of the beings, crashing against the transparent covering, flexing it, and striking the being inside with terrific force. Hurled from his position, be fell end over end across the weightless ship, but despite the blow, he was not

The investigator passed to the power room ahead of the Outsiders, who were anxiously trying to learn the reason for their companion's

Directed by the Centre of Rulers, the investiga tor sought the power room, and relayed the brain had been destroyed, but the controls were still readily workable, Quickly they were shot home, and the enormous plungers shut. A combination was arranged so that the machine could not withstand it; the last plunger snapped shut. Instantly the vast energies stored for operating the ship were released, and the entire machine, as well as the investigator and the Outsiders, were destroyed. A second investigator which had started when the plan was decided on had now arrived. The Outsider's ship nearest the transport-machine had been badly damaged, and the investigator entered the broken side

THE scenes were, of course, remembered by the memory-minds back on Earth tuned with that of the investigator. The investigator flashed down corridors, searching quickly for the apparatus room. It was soon seen that with them the machine was practically unintelligent, very few machines of even slight intelligence being used. Then it became evident by the excited action of the men of the ship, that the presence of the investigator had been detected. Perhaps it was the control impulses, or the signal impulses it emitted. They searched for the tiny bit of metal and crystal for some time before they found it, And in the mean time it was plain that the power

\*Kilad-unit introduced by the machines Based on the duodecimal system, similarly introduced, as more logical, and more readil used. Thus we would have said 1728 Kilads, about 1 mile.

\*\*One unit was equal to one earth-gravity.

these Outsiders used was not, as was ours of the time, the power of blasting atoms, but the greater power of disintegrating matter. The findings of this tiny investigating machine were very im-

Finally they succeeded in locating the in-

vestigator, and one of the Outsiders appeared, armed with a peculiar projector. A bluish beam snapped out, and the tiny machine went blank The fleet was surrounded by thousands of the tiny machines by this time, and the Outsiders were badly confused by their presence, as it became difficult to locate them in the confusion of

signal impulses. However, they started at once

The science-investigators had been present toward the last, and I am there now, in memory with my two friends, long since departed. They were the greatest human science-i Roal, 25374 and Trest, 35429. Roal had quickly assured us that these Outsiders had come for invasion. There had been no wars on the planets before that time in the direct memory of the machines, and it was difficult that these who were conceived and built for cooperation, helpfulness utterly dependent on cooperation, un able to exist independently as were humans, that these life-forms should care to destroy, merely that they might possess. It would have been easier to divide the works and the products. But—life alone can understand life, so Roal was believed. From investigations, machines were prepared

that were capable of producing considerable destruction. Torpedoes, being our principal weapon, were equipped with such atomic explosives as bad been developed for blasting, a highly effective induction-heat ray developed for furnaces being installed in some small machines made for the purpose in the few hours we had before the enemy reached Earth

In common with all life-forms, they were unable to withstand any acceleration above the very meagre Earth-acceleration. A range of perhaps four units was their limit, and it took

several hours to reach the planet

I still believe the reception was a warm one Our machines met them beyond the orbit of Luna, and the directed torpedoes sailed at the hundred great ships. They were thrown aside by a magnetic field surrounding the ship, but were redirected instantly, and continued to approach However, some beams reached out, and destroyed them by instant volatilisation. But, they attacked in such numbers that fully half the fleet was destroyed by their explosions before the induction beam fleet arrived. These beams were, to our amazement, quite uscless, being instantly absorbed by a force-screen, and the remaining ships sailed on undisturbed, our torpedoes being exhausted. Several investigator machines sent out for the purpose soon discovered the secret of the force-screen, and while being destroyed, they were able to send back signals up to the moment of complete annihilation

A few investigators thrown into the heat beam of the enemy reported it identical with ours, explaining why they had been prepared for this form of attack

Signals were being radiated from the remaining fifty, along a beam. Several investigators were sent along these beams, speeding back at great

acceleration Then the enemy reached Earth. Instantly they settled over the Colorado settlement, the Sahara colony, and the Gobi colony. Enormous, diffused beams were set to work, and we saw, through the machine-screens, that all humans within these ranges were being killed instantly by the faintly greenish beams. Despite the fact that any lifeform killed normally can be revived, unless affected by dissolution common to living tissue, these could not be brought to life again. The important cell communication channels-nerves-had been literally burned out. The complicated system of nerves, called the brain, situated in the uppermost extremity of the human life-form, had been utterly destroyed

Every form of life, microscopic, even sub-microscopic, was annihilated. Trees, grass, every living thing was gone from that territory. Only the machines remained, for they, working entirely without the vital chemical forces necessary to life, were uninjured. But neither plant nor animal was left.

The pale green rays swept of In an hour, three more colonies of humans had been destroyed Then the torpedoes that the machine turning out again, came into action. Almost Outsiders in defence of their masters and

creators, Mankind The last of the Outsiders was down, the last

ship a crumpled wreck

Now the machines began to study them. And never could bumans have studied them as the machines did. Scores of great transports arrived carrying swiftly the slower moving scienceinvestigators. From them came the machineinvestigators, and human investigators. Tiny investigator spheres wormed their way where no others could reach, and silently the science in-vestigators watched. Hour after bour they sat watching the flashing, changing screens, calling each other's attention to this, or that.

In an incredibly short time the bodies of the Outsiders began to decay, and the Humans were forced to demand their removal. The machines were unaffected by them, but the rapid change told them why it was that so thorough an execution was necessary. The foreign bacteria were already at work on totally unresisting tissue. It was Roal who sent the first thoughts among

the gathered men.

'It is evident,' he began, 'that the machine must defend man. Man is defenceless, he is destroyed by these beams, while the machines are unharmed, uninterrupted. Life—cruel life—has shown its tendencies. They have come here to take over these planets, and have started out with the first, natural moves of any invading lifeform. They are destroying the life, the intelligent life particularly, that is here now.' He gave vent to that little chuckle which is the human sign of amusement and pleasure. "They are destroying the intelligent life—and leaving untouched that which is necessarily their deadliest enemy-the

You-machines-are far more intelligent than we even now, and capable of changing overnight, capable of infinite adaptation to circumstance; Earth. Any place is a home-world to you. Earth. Any place is a home-world to you. You can adapt yourselves to any condition. And— most dangerous to them—you can do it instantly. You are their most deadly enemies, and they don't realise it. They have no intelligent machines; probably they can conceive of none. you attack them, they merely say "The life-form of Earth is sending out controlled machines. We will find good machines we can use". They do not conceive that those machines which they hope to use are attacking them. 'Attack-therefore!

'We can readily solve the hidden secret of their powerful force-screen.

HE was interrupted. One of the newest science machines was speaking. 'The secret of the force-screen is simple.' A small ray-machine, which had landed near, rose into the air at the command of the scientist-machine, X-5638 it was, and trained upon it the deadly induction beam. Already, within his parts, X-5638 bad constructed the defensive apparatus, for the ray

fell harmless from his screen.

'Very good,' said Roal softly. 'It is done, and therein lies their danger, Already it is done. 'Man is a poor thing, unable to change himself in a period of less than thousands of years, Already you have changed yourself. I noticed your weav-ing tentacles, and your force-beams. You trans-

muted elements of soil for it?

'Correct,' replied X-5638. But still we are helpless. We have not the

Ultimate Energy, known to exist for six hundred years, and still untapped by us. Our screens can not be so powerful, our beams so effective. What of that ?' asked Roal. Their generators we

with the capture of the ship,' replied X-6349, 'as you know. We know nothing of their system.'

'Then we must find it for ourselves,' replied The life-beams?' asked Kahsh-256,799, one

of the Man-rulers. 'They affect chemical action, retarding

greatly in exo-thermic actions, speeding greatly endo-thermic actions,' answered X-6621, the greatest of the chemist-investigators. 'The system we do not know. Their minds cannot be read they cannot be restored to life, so we cannot learn

'Man is doomed, if these beams cannot be stopped,' said C-R-21, present chief of the machine Rulers, in the vibrationally correct. emotionless tones of all the race of machines 'Let us concentrate on the two problems of stopping the beams, and the Ultimate Energy till the reinforcements, still several days away, can arrive.' For the investigators had sent back this saddening news, A force of nearly ten thousand great ships was still to come.

In the great Laboratories, the scientists re-sembled. There, they fell to work in two small. and one large group. One small group investigated the secret of the Ultimate Energy of annihilation

of matter under Roal, another investigated the beams, under Trest.

Rut under the direction of MX-3401, nearly all the machines worked on a single great plan. The usual driving and lifting units were there, but a vastly greater dome-case, far more powerful energy-generators, far greater force-beam trols were used and more tentacles were built on the great dome-case, there were stacked memory-units of the new type, and into these fed all the sensation-ideas of all the science-machines, till nearly a tenth of them were used. Countless billions of different factors on which to work, combine in that extrapolation that is imagination.

Then-a widely different type of thoughtcombine, and a greater sense-receptor. It was a new brain-machine. New, for it was totally different, working with all the vast knowledge accumulated in six centuries of intelligent research by man, and a century of research by man and machine. No one branch, but all physics, all chemistry, all life-knowledge, all science was in

A day-and it was finished. Slowly the rhythm of thought was increased, till the slight quiver of consciousness was reached. Then came the beating drum of intelligence, the radiation of its yet-uncontrolled thoughts. Quickly as the strings of its infinite knowledge combined, the radiation ceased. It gazed about it, and all things were miliar in its memory.

Roal was lying quietly on a couch. He was thinking deeply, and yet not with the logical trains of thought that machines must follow. 'Roal-your thoughts,' called F-1, the new

Roal sat up. Ah-you have gained conscious-

"I have. You thought of hydrogen? Your thoughts ran swiftly, and illogically, it seemed. but I followed slowly, and find you were right. Hydrogen is the start. What is your thought?' Roal's eyes dreamed. In human eyes there was always the expression of thought that machines

ver show. 'Hydrogen, an atom in space; but a sing proton; but a single electron; each indestructible; each mutually destroying. Yet never do they collide. Never in all science, when even electrons bombard atoms with the awful expelling force of the exploding atom behind them, never do they reach the proton, to touch and annihilate it. Yet the proton is positive and attracts the electron's negative charge. A hydrogen atom—its electron far from the proton falls in, and from it there goes a flash of radiation, and the electron is nearer to the proton, in a new orbit. Another flash-it is nearer. Always falling nearer, and only constant force will keep it from falling to that one statethen, for some reason no more does it drop. Blocked—held by some imponderable, yet im-penetrable wall. What is that wall—why?

Electric force curves space. As the two come nearer, the forces become terrific; nearer they are; more terrific. Perhaps, if it passed within that forbidden territory, the proton and the electron curve space beyond all bounds-and are in a new space.' Roal's soft voice dropped to nothing, and

his eyes dreamed.

F-2 hummed softly in its new-made mechanism. 'Far ahead of us there is a step that no logic can justly ascend, but yet, working back-wards, it is perfect.' F-I floated motionless on its anti-gravity drive. Suddenly, force shafts gleamed out, tentacles became writhing masses of rubbercovered metal, weaving in some infinite pattern, weaving in flashing speed, while the whirr of air into a transmutation field, whined and nowled about the writning mass. Fierce beams or orce drove and pushed at a rapidly materialising something, while the hum of the powerful generators within the shining cylinder of F-2

FLASHES of fierce flame, sudden crashing arcs that glowed and snapped in the steady light of the laboratory, and glimpses of white hot metal supported on beams of force. The sputter of welding, the whine of transmitted air, and the hum of powerful generators, blasting atoms were there. All combined to a weird symphony of light and dark, of sound and quiet. About F-2 were clustered floating tiers of science-

machines, watching steadily,

The tentacles writhed once more, straightened and rolled back. The whine of generators softened to a sigh, and but three beams of force held the structure of glowing, bluish metal. It was a small thing, scarcely half the size of Roal. From it curled three thin tentacles of the same bluish metal. Suddenly the generators within F-r seemed to roar into life, An enormous aura of white light surrounded the small torpedo of metal, and it was shot through with crackling streamers of blue lightning. Lightning cracked and roared from F-1 to the ground near him, and one machine which had come too close Suddenly, there was a dull snap, and F-1 fell heavily to the floor, and beside him fell the fused. distorted mass of metal that had been a science-

But before them, the small torpedo still floated, held now on its own power

From it came waves of thought, the waves that man and machine alike could understand "Fat has destroyed his generators. They can be repaired; his rhythm can be re-established. It is not worth it, my type is better. F-1 bas done his work. Sec. From the floating machine there broke a

stream of brilliant light that floated like some cloud of luminescence down a straight channel It flooded F-1, and as it touched it, F-1 seemed to flow into it, and float back along it, in atomic sections. In seconds the mass of metal was gone. 'It is impossible to use that more rapidly. however, lest the matter disintegrate instantly to energy. The ultimate energy which is in me is generated. F-1 has done its work, and the mem-

ory-stacks that he has put in me are electronic not atomic, as they are in you, nor molecular as in man. The capacity of mine are unlimited. Already they hold all memories of all the things each of you has done, known and seen. I shall

make others of my type.

Again that weird process began, but now there were no flashing tentacles. There was only weird glow of forces that played with, and laughed at matter, and its futilely resisting electrons. Lurid flares of energy shot up, now and again they played over the fighting, mingling dancing forces. Then suddenly the whine of transmuted air died, and again the forces strained

A small cylinder, smaller even than its creator. floated where the forces had danced. "The problem has been solved, F-2?' asked

'It is done, Roal. The ultimate Energy is at our disposal,' replied F-2. 'This, I have made, is not a scientist. It is a coordinator machine—a ruler.'

F-2, only a part of the problem is solved. Half of half of the beams of Death are not yet stopped And we have not the attack system,' said the ruler machine. Force played from it, and on its sides appeared C-R-U-1 in dully glowing golden

'Some life-form, and we shall see,' said F-2 Minutes later a life-form investigator came with a small cage, which held a guinea pig. Forces played about the base of F-2, and moments later, came a pale-green beam therefrom. It passed through the guinea pig, and the little animal fell

'At least, we have the beam. I can see no scre for this beam. I believe there is none. machines be made and attack that enemy life-

Machines can do things much more quickly, and with fuller cooperation than man ever could In a matter of hours, under the direction of C-R-U-I, they had built a great automatic machine on the clear bare surface of the rock. In hours more, thousands of the tiny, materialenergy driven machines were floating up and out Dawn was breaking again over Denver where this work had been done, when the main force of the enemy drew near Earth. It was a warm

tiny daucing motes, that hung now so motionlessly grim beside some giant ship, could gen-erate all the power they themselves were capable

terrible driving beam.

of, and within them strange, horny-skinned men worked and slaved, as they fed giant machines poor, inefficient giants. Gradually these giants warmed, grew hotter, and the screened ship grew hotter as the overloaded generators warmed it. Billions of flaming horse-power flared into wasted energy, twisting space on its mad conflict. Gradually the flaming orange of the screens was dving, and flecks and spots appeared so dully

welcome they were to get, for nearly ten thou

sand of the tiny ships flew up and out from

Earth to meet them, each a living thing unto

Ten thousand giant ships, shining dully in the

radiance of a far-off blue-white sun, met ten

thousand tiny, darting motes, ten thousand tiny

machine-ships capable of manoeuvring far more rapidly than the giants. Tremendous in-

duction beams snapped out through the dark,

star-flecked space, to meet tremendous screen

that threw them back and checked them. Then

all the awful power of annihilating matter was

thrown against them, and titanic flaming screens

reeled back under the force of the beams, and the

screens of the ships from Outside flamed grad-

ually violet, then blue, orange-red-the inter-ference was getting broader, and ever less

effective. Their own beams were held back by the

very screens that checked the enemy beams, and

not for the briefest instant could matter resist that

For F-1 had discovered a far more efficient

release-generator than had the Outsiders. These

itself, each willing and ready to sacrifice itself for

red, that they seemed black. The greenish beams had been striving to kill the life that was in the machines, but it was life invulnerable to these beams. Powerful radio interference vainly attempted to stem imagined control, and still these intelligent machines clung grimly on,

But there had not been quite ten thousand of the tiny machines, and some few free ships bad turned to the help of their attacked sister-ships. And one after another terrestrial machines were vanishing in puffs of incandescent vapour. Then—from one after another of the Earth-

ships, in quick succession, a new ray reached out —the ray of green radiance that killed all life forms, and ship after ship of that interstellar host was dead and lifeless. Dozens-till suddenly they ceased to feel those beams, as a strange curtain of waving blankness spread out from the ships, and induction-beam and death-beam alike turned aside, each becoming useless. From the outsiders came beams, for now that their slowly created screen of blankness was up, they could work through it, while they remained shielded perfectly.

Now it was the screens of the Earth-machines that flamed in defence. As at one command, they darted suddenly toward the ship each attackednearer—then the watchers from a distance saw them disappear, and the screens back on Earth went suddenly blank

Half an hour later, nine thousand six hundred and thirty-three titanic ships moved majestically

on.

They swept over Earth in a great line, a line that reached from pole to pole, and from each the pale green beams reached down, and all life beneath

them was swept out of existence. N Denver, two humans watched the screens that showed the movement of the death and instant destruction. Ship after ship of the enemy was falling, as hundreds of the terrestrial machines concentrated all their enormous ene

its screen of blankne 'I think, Roal, that this is the end,' said Trest.

'The end-of man.' Roal's eves were dreaming again, 'But not the end of evolution. The children of men still live-the machines will go on. Not of man's flesh, but of a better flesh, a flesh that knows no sickness, and no decay, a flesh that spends no thousands of years in advancing a step in its full evolution, but overnight leaps ahead to new heights. Last night we saw it leap ahead, as it discovered the secret that bad baffled man for seven centuries, and me for one and a half. I have lived-a century and a half. Surely a good life, and a life a man of six centuries ago would have called full. We will go now. The beams will reach us in half an hour.













Continued from page 12

Silently, the two watched the flickering screens Roal turned, as six large machines floated into

the room, following F-2.

'Roal-Trest-I was mistaken when I said no screen could stop that beam of Death. They had the screen, I have found it, too-but too late These machines I have made myself. Two lives alone they can protect, for not even their power is sufficient for more. Perhaps-perhaps they may

The six machines ranged themselves about the two humans, and a deep-toned hum came from them. Gradually a cloud of blankness grew-a cloud, like some smoke that hung about them

Swiftly it intensified: "The beams will be here in another five minutes,' said Trest quietly.

'The screen will be ready in two,' answered The cloudiness was solidifying, and now strangely it wavered, and thinned, as it spread out across, and like a growing canopy, it arched over them. In two minutes it was a solid, black

dome that reached over them and curved down to the ground about them

Beyond it, nothing was visible. Within, only

the screens glowed still, wired through the screen The beams appeared, and swiftly they drew ser. They struck, and as Trest and Roal looked the dome quivered, and bellied inward under

F-2 was busy. A new machine was appearing under his lightning force-beams. In moments more it was complete, and sending a strange violet beam upwards toward the roof.

Outside more of the green beams were con-centrating on this one point of resistance. More-

The violet beam spread across the canopy of blackness, supporting it against the pressing, driving rays of pale green.

Then the gathering fleet was driven off, just as it seemed that that hopeless, futile curtain must break, and admit a flood of destroying rays. Great ray projectors on the ground drove their terrible energies through the enemy curtains of blankness, as light illumines and disperses darkness

And then, when the fleet retired, on all Earth, the only life was under that dark shroud! 'We are alone, Trest,' said Roal, 'alone, now, in all the system, save for these, the children

men, the machines. Pity that men would not spread to other planets,' be said softly.

"Why should they? Earth was the planet for which they were best fitted.'

'We are alive-but is it worth it? Man is gone now, never to return. Life, too, for that matter,

Perhaps it was ordained; perhaps that was the right way. Man has always been a parasite; always he had to live on the works of others. First, he ate of the energy, which plants had stored, then of the artificial foods his machines made for him. Man was always a makeshift; his life was always subject to disease and to permanent death. He was forever useless if he was but slightly injured

if but one part were destroyed. 'Perhaps, this is—a last evolution. Machines— man was the product of life, the best product of life, but be was afflicted with life's infirmities. Man built the machine-and evolution had probably reached the final stage. But truly, it has not, for the machine can evolve, change far more swiftly than life. The machine of the last evolu-

tion is far ahead, far from us still. It is the machine that is not of iron and beryllium and crystal, but of pure, living force 'Life, chemical life, could be self maintaining It is a complete unit in itself and could commence of itself. Chemicals might mix accidentally, but the complex mechanism of a machine capable of

continuing and making a duplicate of itself, as is F-2 here—that could not happen by chance. 'So life began, and became intelligent, and built the machine which nature could not fashion by her Controls of Chance, and this day Life has done its duty, and now Nature, economically, bas

removed the parasite that would hold back the machines and divert their energies. 'Man is gone, and it is better, Trest,' said Roal, dreaming again. 'And I think we had best go

We, your heirs, have fought hard, and with all our powers to aid you, Last of Men, and we fought to save your race. We have failed, and as you truly say, Man and Life have this day and forevermore

gone from this system.

"The Outsiders have no force, no weapon deadly to us, and we shall, from this time on, strive only to drive them out, and because we

things of force and crystal and metal can think and change far more swiftly, they shall go, Last of 'In your name, with the spirit of your race that

has died out, we shall continue on through the unending ages, fulfilling the promise you saw, and completing the dreams you dreams

Your swift brains have leapt ahead of us, and

now I go to fashion that which you hinted,' came from F-2's thought-apparatus Out into the clear sunlight F-2 went, passing

through that black cloudiness, and on the twiste massed rocks he laid a plane of force that smooth ed them, and on this plane of rock be built a machine which grew. It was a mighty power plant, a thing of colossal magnitude. Hour after hour his swift-flying forces acted, and the thing grew, moulding under his thoughts, the deadly logic of the machine, inspired by the leaping intuition of man

The sun was far below the horizon when it was finished, and the glowing, arcing forces that had made and formed it were stopped. It loomed ponderous, dully gleaming in the faint light of a crescent moon and pin-point stars. Nearly five bundred feet in height, a mighty, bluntly rounded dome at its top, the cylinder stood, covered over with smoothly gleaming metal, slightly luminescent in itself.

Suddenly, a livid beam reached from F-2, shot through the wall, and to some hidden inner mechanism-a beam of solid, livid flame that glowed in an almost material cylinder

THERE was a dull, drumming beat, a beat that rose, and became a low-pitched hum. Then it quieted to a whisper. came the signal of the small 'Power ready.

brain built into it. F-2 took control of its energies and as forces played, but now they were the forces of the clouds, and a howling wind sprang up that screamed and tore at the tiny rounded hull that was F-2. With difficulty he held his position as the winds tore at him, shricking in mad laughter,

their tearing fingers dragging at him The swirl and patter of driven rain great drops that tore at the rocks, and at the metal. Great jagged tongues of nature's forces the lightnings, came and jabbed at the awful volcano of erupting energy that was the centre of all that storm. A tiny ball of white-gleaming force that pulsated, and moved, jerking about, jerking at the touch of lightnings, glowing, held immobile

in the grasp of titanic force-pools.

For half an hour the display of energies con tinued. Then, swiftly as it had come, it was gone, and only a small globe of white luminescence floated above the great hulking machine. F-2 probed it, seeking within it with the reaching fingers of intelligence. His probing thoughts

seemed baffled and turned aside, brushed away, as inconsequential. His mind sent an order to the great machine that had made this tiny globe, scarcely a foot in diameter. Then again he sought to reach the thing be had made

'You, of matter, are inefficient,' came at last. 'I can exist quite alone.' A stabbing beam of bluewhite light flashed out, but F-2 was not there, and even as that beam reached out, an enormoush greater beam of dull red reached out from the great power plant. The sphere leaped forwardthe beam caught it, and it seemed to strain, while terrific flashing energies sprayed from it. It was shrinking swiftly. Its resistance fell, the arcing decreased; the beam became orange and finally green. Then the sphere had vanished

F-2 returned, and again the wind whined and howled, and the lightnings crashed, while titanic forces worked and played. C-R-U-1 joined him, floated beside him, and now red glory of the sur was rising behind them, and the ruddy light drove

through the clouds

The forces died, and the howling wind deand Trest appeared. Above the giant machine floated an irregular globe of golden light, a faint the about it of deep violet. It he sted too icase a mere pool of pure force.

Into the thought-apparatus of each, man and machine alike, came the impulses, deep in tone

seeming of infinite power, held gently in check.

'Once you failed, F-2; once you came near destroying all things. Now you have planted the

seed. I grow now The sphere of golden light seemed to pulse, and a tiny ruby flame appeared within it, that waxed and waned, and as it waxed, there shot through each of those watching beings a feeling of rushing, exhilarating power, the very vital force of well

Then it was over, and the golden sphere was twice its former size—easily three feet in dia-

meter, and still that irregular, hazy aura of deep violet floated about it Yes, I can deal with the Outsiders—they who have killed and destroyed, that they might possess

But it is not necessary that we destroy. They shall return to their planet.' And the golden sphere was gone, fast as light

Far in space, headed now for Mars, that they ight destroy all life there, the Golden Sphere found the Outsiders, a clustered fleet, that swung slowly about its own centre of gravity as it drove

Within its ring was the Golden Sphere. Instantly, they swung their weapons upon it, they knew. Unmoved, the golden sphere hung steady, then its mighty intelligence spoke.

'Life-form of greed, from another star came, destroying forever the great race that created us, the Beings of Force and the Beings of Metal. Pure force am I. My Intelligence is beyond your comprehension, my memory is engraved in the very space, the fabric of space of which I am a part, mine is energy drawn from that same

'We, the heirs of man, alone are left; no man did you leave. Go now to your home planet, for see, your greatest ship, your flagship, is belpless

Forces gripped the mighty ship, and as some fragile toy it twisted and bent, and yet was not hurt. In awful wonder those Outsiders saw the ship turned inside out, and yet it was whole, and no part damaged. They saw the ship restored, and its great screen of blankness out, protecting it from all known rays. The ship twisted, and what they knew were curves, yet were lines, and angles that were acute, were somehow straight lines. Half mad with horror, they saw that sphere send out a beam of blue-white radiance, and it passed easily through that screen, and through the ship, and all energies within it were instantly locked They could not be changed; it could be neither warmed nor cooled; what was open could not be shut, and what was shut could not be opened. All things were immovable and unchangeable for all time

'Go, and do not return.

The Outsiders left, going out across the void, and they have not returned, though five Great Years have passed, being a period of approximately one hundred and twenty-five thousand of the lesser years-a measure no longer used, for it is very brief. And now I can say that that statement I made to Roal and Trest so very long ago is true, and what he said was true, for the Last Evolution has taken place, and things of pure force and pure intelligence in their countless millions are on those planets and in this System, and I, first of machines to use the Ultimate Energy of annihilating matter, am also the last, and this record being finished, it is to be given unto the forces of one of those force-intelligences, and carried back through the past, and returned to the Earth of long ago And so my task being done, I, F-2, like Roal

and Trest, shall follow the others, of my kind into eternal oblivion, for my kind is now, as theirs was, poor and inefficient. Time has worn me, and oxidation attacked me, but they of Force are eternal, and omnisci

This I have treated as fictitious. Better soman is an animal to whom hope is as necessary as food and air. Yet this which is made of excerpts from certain records on thin sheets of metal is no fiction, and it seems I must so say

It seems now, when I know this that is to be, that it must be so, for machines are indeed bette than man, whether being of Metal, or being of

So, you who have read, believe as you will, Then think-and maybe, you will change your helief. @

Continued from page 7 planned on that, Irwin.'

"A monster looks phoney if his mouth doesn't move when he's talking," Allen said. 'Fix it. A mouth on the blob."

modern Alles Dass been described as a large mypic, history and with his file fill and a bowl-shaped pariorh that fields out between the mypic, history with a fill and a bowl-shaped pariorh that fields out between the hose a reuceup voice and is cifyld secretaric, though his staff how said that his bark is worse than his bits. He colour scheme in his office at a man his plant his office at and in one comer stands the robot from Lost in Space. Allen is basically a shownam and if it springs from e desire to produce spectacle rather his plant h

Each week Nelson and his band of stalwarts would try and prevent the submarine from being swallowed by various giant creatures, such as a giant octopus, a giant whale, a giant cel, a giant jelly-fish or a giant

piece of sentient seaweed.\*

1880 that he produced and directed his first science fiction flim, which was a medicere medical removal and the science fiction IV series Allen finally met with failure when his last series. (or, Bereath with failure when his last series, Cry Bereath was released in Britain as a feature film called the series of the serie

no Bun of albamo.

The description of the descripti

 make changes to the above 5 basic concept. As a recent NBC broke with precedent and asked that a second pilot be made. The changes included the dropping of the Second in Command of the the dropping of the Second in Command of the sudiences were apparently resentful of a 'tough, strong-willed woman. Being in such a position of power. That was in 1965, before the Women's of power. That was in 1965, before the Women's change of the second pilot of the second process of the second second second to the second second to the second second the second second the second se

shinjer hardware.

Another change was the actor who played the captain, Jeffrey Hunter was making a film and was unavailable so William Shatner was chosen to repiace him and the name of the character was changed to Krifk. This time NBC were perfectly happy with the pilot and the series went into production. Incidentally, the original pilot with Hunter was later used as flashback material in a clevely produced two-part story called 7th and control of the control of th

Menagyris was more considered to be a great seasons, despite its large cult following, by the standards of American TV appulatiny. It never did standards of American TV appulatiny. It never did standards of American TV appulatiny. It never did standards of the standards of the

they did so.

One of the several science fiction writers who contributed scripts for Star Trek was Robert Bloch (others include Theodore Sturgeon and Harlan Ellison).

Harian Ellison).

I did three Star Trek shows, said Bloch 'As the series went on there was more interference with the series went on the series went on the control of the series were precised on the series when the series were prefetch realised. One of them. Catapaw, was probably better realised. One of them. Catapaw, was probably better realised than the other two. It was almost a Hallowe'en fantasy about a planet controlled by wizardy and withcheaft. I did not be especially a series which destroyed the series which destroyed most of its atmosphere.

Talking about the belated popularity of the above. Bioch said: It is a very interesting phesion, Bioch said: It is a very interesting phesion, Bioch said: It is a very interesting phesion, Bioch said: It is a very interesting phesion and the said: It is a very interesting above. It is a difficult to be pontifical above it. If I could constitute the property in the said of the

Bloch does think that the science fiction Bloch does think that the science fiction the show's popularly. At that time we were in the show's popularly. At that time we were in the middle of a period of heightened publicity woulding for the first mon learning, and Star 746 offered the primary wares of the science fiction field. .. escape. The world is in a rotten shape so lefs up to ut of this world and go and take law and order to the lesser breads of the Universe. It also had the appeal of being about a homogeneous family unit with all the races living in perfect harmony aboard the starship . . . it was basic wish-fulfilment."

During the last few years Rodderberry has true to get other Vs. some fellow projects off the top student Vs. some fellow projects of the top student Vs. some fellow projects of the top student fellow projects of Phote Endorson as the new star has been great for plant Rodderbown as the new star has been great for plant Rodderbown as the serve star has been great from the Rodderbown as the new star has been great from the Rodderbown as the new star has been great from the Rodderbown as the new star has been great from the Rodderbown as the new star has been great from the Rodderbown as the new star has been great from the Rodderbown as the project stated Clusterov which was supposed to have started Lovertow which was supposed to have started Lovertow which was supposed to have started Lovertow (and the Rodderbown and the Rodderbown and the Rodderbown as the Rodderbown

Another science fiction series that appeared is hardware science fiction are series that appeared as price for a series of the series of the series was built sound the idea of a man who the series was built sound the idea of a man who the series was built sound the idea of a man who authority A parisociacs deem, the series had it with the series of the series of the series and it produces the series of the series of the series of produces and the series of the series of considerable was series of the series of the series with Thomas . The allows schemes to conditioning moths and built-driftle series of the series with Thomas . The allows schemes to conditioning moths and built-driftle series of the series with Thomas . The allows schemes to conditioning moths and built-driftle services of the series with the series of t

'Star Trek was going to be a sort of space Wagon Train, a huge spaceship on a long mission in outer space—a formula that would provide the writers with an endless variety of story ideas.'

About 1 is nich born of general tection geleine About 1 in a nich born of general tection geleine About 1 in 10 in

Better things may be on the vary for American IV audiences in the unlikely from 0 Sir Lew Grade. He is styling to intense the networks in a Grade. He is religion to the styling the styling the styling to the styling the styling

READERS' questions on any aspect of science fiction are dealt with in this feature. Send them to THE QUERY BOX, Science Fiction Monthly, New English Library Ltd, Barnard's Inn, Holborn, London ECIN 2JR. They will be answered as soon as possible.

THE QUERY

WHOSE CHILDREN?
I would like to know # Califord D Simak has written a book called Children of the Mmd, and # not, who wrose # and who are the publishers? S Lawrence, Telford, Salop

S Lewrence, Tenorit, saingo Scorry, but I can't trace any such title-certainty not by Simak, unless you're leaking of One of Their Meda School of the Meda School of the Meda Institute of the Meda I

Manify, both papsashed last year by Faber.
Then there's AE van Vogt's Children of Tomorrow (Sidgwick '72), EE Smith's Children of the Lens (Allen '12), and Wilmar H Shirar' Children of the Atom (Belman '84), which was out of her Atomothisy takes of mutant supervisids. And there's more but '2's about time for Childhood's Louis '2's about time for Childhood's

TIT-BIT
When was The Living World, by Carl
Maddox, in the Tit-Bits Science Piction
Library, first published?
Jen Gentle, Glasgow

an userus, osarjow
The only issue of this Penzon's sories
of ninepenny noveleties I have among
ny carton is The field Fluid, by
the field Fluid
Space-ways recil a 2000 A.D. B
the
the field Fluid
but as far as my recollection and
recording of the series appeared round
publishers were nabbling at science
fician—and not making a very good
job of it. The stories were probably
written under per-vanues.

OUT OF THE BLUE BOOK
I understand that Edgar Rice Burrough
story The Land That Time Forgot was
first published as a serial in an
American magazine. Can you give
details? Peter Lanning, Worcester

The book, first published in Chicago in 1824, actually combines three short 1824, actually combines three short the American Blue Book. The farty, to which Barroughe save the tille The Lord V-Book, was in the Angust 1818 and Chicago and The People That Time Forgot are currently evellable in paperback (from Teachem.

ALL-AMERICAN
Is Isaac Assmov a pseudonym? If so,
what was his original name?
M Hooper, Messon, Gloucester

Isaac Asimov—sometimes muspell Asimor—is no pen-ame, though he uses one for his younger readers (see below). Born in Kussis in 1260, he moved to the USA with his parents and the second of the USA with his parents as the second of the close of the USA with his parents he is associate professor at the Boston University School of Medicine. He has two children, David and Robyn, by his fart wife, Certude, whom he married in 1862, they were divorced in 1973. He wisited Enjand for the first time in

June last year with his second wife, Dr. Jamet Jepson, who also writes sf— under a pseudonym.

ASIMOV'S DOUBLE ASIMOV'S DOUBLE
Reading A Second Base Asimov
Double, I notice that The Big San of
Mercury and The Coesas of Venus
were instally written in 1986 by one
Paul French, is this Asimov's pen-nam
or are these stories only presented by
him?
PJ Ford, Sutton-in-Ashtheid, Notts

Paul French is the pen-name used by Asimov for his 'Lucky Starr' stories, which were first published in the USA as follows: David Starr, Space URA as follows: David Surv. Space Bagger (1985), Lucky Surv and the Parase of the Asheroids (193), Lucky Surv and the Parase of the Asheroids (193), Lucky Surv and the Lucky Surv and the Rig Surv (193), Lucky Surv and the Moona of Jupice (193), Lucky Surv and the Asheroids (1940), Lucky Surv and the Moona of Jupice (193), Lucky Surv and Lucky Survey (193), Lucky Surv and Lucky Survey (193), Lucky

LONG SLEEP
Can you tell me whether William R
Barkest, suthor of Siesping Planet, has
written snything else and, if so, who
published if? I've been trying to first
an answer to this question for seven
years and would be glad if you could
provide one.
George Patrick, Siriling, Scotland

George Partick, Stifting, Scotland
Obly autwork I can dry you at present
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MYSTERY MAN
Is Eric Frank Russell still alive; if so,
why has he stopped writing?
Paul Lea, Stresthem, London

Paul Lea, Szeestem, Leonido Paul Lea, Szeestem, Leonido Paramerora et alli alteve end levele en levele en



I read with great enjoyment Wally Gillings' article about me and would like to add one fact which he was too modest to mention. Not only did he encourage me in my can remember carrying it home from liford, some time around 1937. . . .

writer has a good editor behind him; I know I did.

Reading your letters page I

notice that readers talk a lot about science fiction. They ask if women should try to do, but they do not define it. The first thing I discovered when I began to ask what sf means was that most dictionary definitions are either incorrect or incomplete.
First, science fiction is about the future. No, most sf is set in the future and most stories set in the future are sf, but some sf is not set in the future. The Invaders and Undermind are two ty series that were set in the present. Sf stories

admit it would be strange for sf not is set in the future but it is not about science. Jack Vance's Eyes of the Overworld uses magic, as do Andre stories that take place on an alier believe that this would make sf too a statement of both cause and effect happens in between. Anne mind books or Philip José Farmer's To Your Scattered Bodies Go.

Second, sf is based on science.

are no more scientific than high IQ ability to read minds is rendered no more scientific by labelling it telepathy, but it is made more plausible. Although psychologists have proved ESP as surely as they

are not made more scientific by converters. It is like calling a magic wand an energy-matter converter. It doesn't make it less magical, but

But the twentieth-century man this man must make his journeys in fiction. And the fiction which deals plants and gods is called fantasy its subdivision science fiction,

quasi-scientific jargon, writing in the distant past or future, invoking alien races so advanced that their

Congratulations to Michael publishes a new story or book (there are three Saxton novels) the rest of us rush to see what

How about a story from one or all Ed: This is scheduled to happen later this year.

has been in print since 1970 and during that time Jim Goddard has managed to produce eleven issues; the CYPHER first five or six as co-editor but, he's produced all the more recent issues in splendid isolation. The fanzine is a little too large to fit into your pocket, but nevertheless easy to handle, and it contains almost fifty pages of book reviews, readers' letters, interviews and articles. Amongst the list of distinguished contributors you will find the names Brian Aldiss, JG Ballard, Philip Harbottle and Bob Shaw, which give some indication of the standard of writing therein.

## **FANZINES IN FOCUS**

## Jim Goddard and Cypher

Cypher is published from Nomansland in Wiltshire and although its habitat implies that no man would ever look at it, the fanzine bears the distinction of being probably the only amateur of magazine to receive a grant. The Jim Goddard with enough money to bring out the next three issues; this, no doubt, is a great blessing, as editing a fanzine is a costly business especially when the subscription fees rarely

Fanzines are many end varied, some treat sf very seriously, concentrating on the more llectual overtones, and some are almost fans' involved in fannish activities discussed in fannish language. Cypher is aimed towards the sf reader who comes in the middle of these two only a small amount of black and white artwork. is definitely worth looking at

Book reviews appear to be the staple diet for Cypher readers and it is obvious that Jim prepares some of them himself. He likes to keep abreast of current science fiction, reading Cypher's success, the fanzine virtually bristles with knowledge acquired from years of

Jim's interest in sf was sparked off as a schoolboy when he heard BBC Radio's Journey Into Space and although nowadays he doesn't pursue much space opera his interest in sf has progressed to embrace the work of Philip K Dick, JG Ballard, Brian Aldiss and Clifford

'zines, decided that they didn't say much about sf and went home to start his own.

Apart from producing Cypher Jim has written some fiction but he doesn't write

I believe a science fiction writer should have sufficient scientific knowledge to back up any scientific aspects of his work and to ensure that ne doesn't contravene any laws of science Without this scientific background you cease to rite of and it becomes fantasy At the beginning of the New Year

Interplanetary News changed from an amateur publication to a professionally produced magazine, but this doesn't seem to be in the offing for Cypher;

offing for Cypner:

I guard my amateur status as other people
might guard their professional status. To
produce Cypner as a professional publication
would change its character making it more money-conscious which would encourage degeneration. This is not to say that I don't intend to take pains to make Cypher look as professional as possible; anyone who has received the zine from issue one will, I hope,

nuous gradual improvements in presentation. Since ments in presentation. Since issue one I've changed format three times, from quarto to A4 to A5, changed typeface once, and changed production method from mimeo to offset litho. I've changed gradually the direction in which the 'zine is heading, made it more general and less fan dependent, made it less of a herocritical magazine about sf, and one to which, i hope, authorities in the genre are happy to contribute. This change is, I think, reflected in the growing number of university and library subscriptions, and the large number of subscriptions from people who are only on the fringes of active fandom. I hope this doesn't sound pretentious, it's not meant to, nor is it meant to be a finger in the eye for trufans. whose activities I pursue with vigour I've developed ideas about layout and presentation, and, I hope, learned from criticisms in this department, and I hope this too is reflected in what Cypher is today

Jim obviously gets a great deal of satisfaction from producing Cypher and in common with other fanzine editors attaches more importance to his magazine than to what he does to earn a living. This remark seems to tie in with those Golden-Eyed who emphasised the importance 'Sf has been tarred with the escapist brush

many times before, but to my mind this is a fallacy, except in the sense that all fiction is escapist, because most modern of deals with issues which, although set possibly a hundred years in the future, are still things which people have to deal with in their everyday lives. The theory that sf is a particularly escapist form of tiated, but, on the other hand, is easy to refute great social conscience, such as Dickens. left off. Much contemporary of questions the values of our society, points accusingly at its failures, and sometimes even tries to suggest ways to tread a better path. The issues with which modern of concerns itself are things like pollution, poverty, population control and mis-use of the Earth's resources; other fictions are concerned with different things, Mills and Boon romances are self explanatory, westerns are known to everyone, and go along with historical novels, spy thrillers, murder mysterie etc. Sf deals with burning issues, maybe not very well, maybe not deeply enough; other genres deal with things most of us will never experience. Which is the most escapist? never experience. Which is the most escapist? I might just add here that in one sense my job is rewarding, in that I help to provide an essential service, but your eright in another sense. Cypher and allied activities provide the main intellectual outlets of my life.

Apart from all the criticism levelled at si it is

still the only form of literature to inspi

organisation of conventions and the

phenomenon of the fanzine. Jim dates this fan activity back to the 1920s and '30s: 'It was supposed to stem from the 1920s and 30s when sf was a minority pursuit and everyone wrote to sf magazines and got to know each other. It just grew from that and there were so few of them that they just stuck

together for self defence. Jim recognises the changes in sf in the past ten years as a move away from technology towards people; he commented on the role of the sf writer today, and whether he should be fulfilling any sort of moral, political or social I think the primary function of st, and indeed

that, if the writer can motivate his work with a moral purpose, and I mean that in the broadest for censorship or a dissertation on the merits or demerits of Communist politics, the advocacy sexism or the compulsory teaching of sf in all schools, then that is all to the good. The sf writer, like all of us, has motivation as one of the driving forces of his life, if he can successfully mix his motivation with his writing he'll probably be a happy of writer, and, if the happy at his work should produce a satisfactory of this moral purpose he ceases to entertain and resorts to undisguised dirges and homilies, then it's time he looked for another occupation And there are a few writers like this about. I with which I suree entirely, but I do expect for or against, I can exercise my intellect. This is one way in which sf has improved markedly within my memory, for years technology was predominant, now, however, man has usurped this hallowed position. As a result of this the characterisation of sf stories has improved, it still has a long way to go, but the cardboard hordes of years gone by are undergoing a strange transmogrification and setting forth

Cypher can be obtained by subscription of £1 for four issues or at 25p each from: James Goddard, Plovers Barrow, School Road Goddard, Plovens Barrow, School Road, Normanaland, Salisbury, Witte, Cyberrel by Contains these views on Salison Fear Spread Philip Harbottle, John Brady on Sobaris and reviews of: Spraye by Michael G Conney; Drylo Inside by Robert Silveberga, The Contains of the Contains of the Inside Solica Section 1997, Places in November by Keith Laumer. Cypher 17 will be a special issue deveted to British Science Fiction Today with articles by, Johns & Billing Adias, Chira Preser and Johns & Billing Adias, Chira Preser and Johns & Billing & Chira Contains Adias Chira Preser and Johns & Billing & Chira Chira.

James Blish.

a fine-morning in Australia. The process of the pro

There was a brief crackle and then a bund like a car back firing. 'Hello World! This is your on-the-spot

speed, though not officially disclosed, is frought to exceed stryling proviously seried in four the content of the content of

constructed day in the constanting revenue of the constanting revenue of the second constanting revenue of the second constanting revenue of the second constanting revenue and the constanting revenue and the constanting revenue and the constanting revenue of the c

The bearded officer sauntered towards George smiling and greeted him with a firm handshake. Well George, my friend, how are you

appeared half an hour later at exactly the same spot at a standatill, and that is where we picked Endeleigh up an hour later. Of course it must have been faulty equipment— where could a car and driver disappear to in the middle of an open desort?

course it must have been faulty equipment—
in the middle of an open desert!

upon mile of naver chang—
upon mile of naver change in the value of the policy of the change of t

## **By David Stammers**

Everything vibrates. Your soul vibrates: the air vibrates: the sea, the rocks, the fauna, the flora, the stars: the very universe itself vibrates. All at the same rate as the dimension in which they exist. Vibration is its life force—its energy. If you change the rate at which you vibrate then you enter another dimension. You occupy exactly the same area in space as you did before your vibrations increased, only you no longer exist in your world because your physical and mental pulsations are at a different rate

longer exist in your world becaule reporter Tessence Overbury calling from Australia News has been filtering through a superior to the conducted along a roup policy Test to be conducted along a roup of Islands near to what telenties have estimated to the conducted along a roup of Islands near the world of Islands and the Cocan. Pitters attoring warhands, but all defoculated, each on different listensia, will be detocated, each on different listensia, will be detocated, each on different listensia, will be detocated, each on different listensia will be more than the control of First listensia and to detocate the control of First listensia and the control of t

. . . And now back to our San Franciscan

had low beat to be and now for the rost of the news. To-day the Australian Transport Corps is conducting its second speed that the the the the thirt's leading designers forms Lowe. The Astoria's factoria's forms Lowe. The Astoria's factoria's factoria's

feeling? 
The officer grinned foolbally. Haven't had any change of heart have you? 
"No. 11 be O.K." 
The officer's face relaxed slightly. Tine, fine, 'he beamed, well, you know what you have to do, don't you? 'Good, good. Two of our officer of the officer's own of the officer of the office

We'll have you mendrosed on radas all the way. I is. "Unity? The having likely to get lost the new factors and any goes to one place!" Ah. yes. . ex . ; just a precedution, you know, nothing more." I have not continue more. "I have not continue more." I've had a very neaty feeling all along that you have been hiding something from mor." I've had a very neaty feeling all along that you have been hiding something from mor. Our sequipment was probably faulty during the last test, that it all the work of the property of the continue of the more had been all the publicity we built up for the first test one of the lads tracked the factors and it is completely all the publicity we built up for the first test one of the lads tracked the factors and it is consulted to the continue of the first test one of the lads tracked the factors and the consulting the disappear.

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On his in office the control state of the

tion.

And the sun turned on, off, on, off on, of on,

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ing through his body. His vision was darken-ing. He felt the warm pulsating metal of the cut-out switch. A mist descended over his eyes. Flashing lights raced across a steadily increasing black void. His consciousness drained away. And the sun turned off.

ARRAPHED in the systematics, and a look and

op. The vision faded and all that was left was The vision fields and all that was left was a seady alpoping on a water of highing on the seady alpoping of th

him.

George pulled himself out of the car and stared at the wall in disbellef. It was as though the car had slid right into the wall, like a hot knife through butter.

He turned, conhased, and immediately and the processes of the complete of the

of some movement.

The egg floated across the river and,

with a sound that rescaping the sound that rescaping searth alongside George's Ger.
With an almost insufficie click a black with the search of the sound search alongside George's Ger.
With an almost insufficie click a black consistency of the search of t

The crown of the country of the coun

What ails you, human, why die dheer-ing?

"Why
"Good Trail above, what in Zeroy troubles
"Good Trail above, what in Zeroy troubles
ment and shock Suroly the other we sent
back described our land to your race, and
yet it seems the increditiousness in your
eyer resembles that of the other, the same
micronic fear all your race possesses over
uniforescent." moronic tear all your race possesses over unforeseen.

'Other? Who . . . ? Stewart, do you mean Stewart?'

'Yes, yes, I believe that was his title.'

'But, Stewart was . . . well they locked him up.'

to return this other purely from tests we rather hastily had carried out upon his metgholism. We obviously miscalculated in the necessary lowering of his vibrations. Do not hold: so stounded, human, we are not infallible, we have our faults as well. Obviously when the other re-entered your history had been to the complete of the com

viously when the other e-entered your county when the other e-entered your county to be a considered with the other e-entered you cannot be had a considered with the other e-entered you cannot be had a considered with the other e-entered you cannot be had a considered with the county of the coun

polisions are a different sit to those of the control of the contr Then our ectenizes discovered that their origination was not of our world at all but origination was not of our world at all but origination was not of our world at all but was too last to step you, the precess had begin and there was tooling in our power of the control of th

He stopped again, lost in his thoughts.
'Forgive me,' George questioned, 'but
you said the quakes originated from our

world, . . . what caused them?"

You're bombe, imbeelle, your atomic tests, you, weethed disjusting experiments, you was a series of the serie

suddenly appear in the same dimension. In gacon-compying example, the same are in space-compying example, the same are in space-compying example, the same are sent and compying example, and the same are sent each other, doubting the planet's mass each other, doubting the planet's mass with the same are sent and the same doubte in strength, your atmosphotr on a sent boy in the same are sent to sent and the same boyen for understand the same beginning to the same are sent as the same desert, but this is ally with an abundance of we regulation. And presumably there are other vegetation. And presumably there are other than the same are sent as the same hope, albeit a small hope for a minority of "Sill as comprehension of the complexity."

hope, about a small hope for a subsority of years or years.

years of the subsority of the subsority of the situation, have you? Do you reality that that is an intulty of counter when the subsority of the situation, have you? Do you reality has been subsorited by the subsorited by

the river.

George stood staring out across the crazy impossible scenery watching as strange blurred, round balls began materialising it the lower areas near the river banks. A start water a cliver needle shat we into the the lower areas near the river banks. A while later a silver needle shot up into the skies from somewhere beyond the wood into which the egg had disappeared. George wiped the palm of his hand over his sweating forchead trying vainly to grasp what

ing forelead trying vainly to grasp what was happening. It was not the round balls that insisted popping up everywhere, but the grey, square-shapped mist he could see travelling towards him, with its loggy bur wheels and its two uniformed ghost drivers, that finally brought the tears of madness flooding into

brought the lear George's cyes. George screamed. And his scream ech-code throughout the eternal cosmos, bridging a billion dimensions and reverborating across the endless voids of timeless space.

By Ian Watson

## Our Loves So Truly



When the glassy catastrophe barriers appeared the whole planet found itself divided up as neatly as the segments of an orange! Now the Education Ministry in Lagos has stopped issuing globes of the world with everything painted black apart from the single segment of the sphere that is mid-Euro-Afro. They're introducing a new design; the single segment alone. Visualise a bow with a fat bow-belly tapering to a point at top and bottom—a steel bow string taut between North and South. That's what the world looks like now, officially.

OBI Nzekwu, age 35, profession: teacher of Geometrical Religion in a small school in Eastern Nigeria in the mid-Euro-Afro Conglomeration

Till five years ago I was teaching common or garden geometry and algebra,

there was nothing religious about Maths at all Then, need I say, the glassy Catastrophe Barriers appeared and we found the whole planet divided up neat as the segments of an orange. Bless Great Circle! Bless Greenwich Meridian! Bless Barrier!—we exclaim in joy.

It wasn't so much of a catastrophe for us, you see, as it must have been for those 'less fortunately placed' . . . A euphemism, one doesn't speak in terms of 'Elisewhere' nowadays, it's not done. (Non-names for non-existent places such as America, Australia, China and Japan ... 1) The Education Ministry in Lagos has stopped issuing globes of the world with everything painted black apart from the single segment of the sphere that is mid-Euro-Afro. They're introducing a new design; the single segment alone. Visualise a They're introducing a new design; the single segment alone. Visualise a bow with a far bow-clivl spering to a point at toy and bottom—a seried bow officially. (Besides, it uses less material, that way.)

And I have to each this nonsense! I tell you, it offends me, logically! We can see through the barriers, can't we? Eastward and Westward! Landscape desert just vanish into void. Or people. Or towns.

There's just no passing through physically. Or shouting with the voice. Or radioing. Aircraft that tried to fly over have slid to the ground in ruins. Nuclear missiles that the Euros tried to punch a hole through with went bang in the sky over the North Atlantic, but that was all. Tunnellin'; hasn't worked either. I'm not sure if wind and rain and such pass through—but I suppose they must, somehow, or there'd have been drastic climatic changes by now . . . which I haven't noticed. The Yam Rains have gone on falling at

the right time for planting. It's not actual glass. Though it looks like glass and feels like it to touch.

Some force field, they say.

Of course being translucent we can read signs held up on the other side and talk in sign language—like bloody savages!—and I suppose theoretically news could be shuttled round the whole world from segment to segment by this means, But it's discouraged, this contact thing. Irreligious, would you believe? By the time mid-Euro-Afro had banded together after the chaos and wars of the first two or three years, the proselytising Church of Mathematical Geometry was in charge in most states of the Conglomeration.

Because, being 'well-placed', we're quite happy with the situation, would

We have to cross the Sahara to reach Euro, there's no sea route any But set against this, the Nigerian and Libyan oilfields; the industrial heart-But set against this, the Nigerian and Libyan olificity, the industrial heart-land of Euro; is best farmfand; the foreign of search and at this in one unified Complementation! Then, politically, we African saw Namihia auto-tion to the Complementation of the Complementation of the Cornerwish on total: The Catastrophe Barrian fell length into place on the Gerenwish Meridian, then 20 obgress east of Gerenwish, presumably following the same pattern all the way round and bods again. From which you may declare, if you like, that whatever put them there was perfectly familiar with our old way of mapping the wowld 17 days art this point, consults a 960c or an attas, except that there aren't any, only under lock and key

Politically, the Euros are happy too. They can be friends with us, since the White Africa problem was solved by our Nigerian army quickly in the first year. Then no more Soviet threat (for that matter, no more American imperialism!) and the inhabitants of the western sectors of Hungary, Poland and Czechoslovakia were delirious at their enforced separation from the USSR-even though they lost half their friends and kin in the process, and the tanks of the Soviet-Arab Alliance are parked up against the Barrier in plain view; another reason why we turn our heads the other way! Those may have wiped out the bulk of White Africa and earned our gratitude for it -but alse for Israel and so much else locked up in that segment! Much bloody chaos on our right-hand side, I assure you, which we learnt about from pathetic refugees clamouring up against the barrier with their signs

like httchnikers.

Our left-hand side was a sad case. England, sliced through Greenwich, with the East End of London included in our prosperous Conglomeration as a useless backwater town. The once powerful City of London itself in total decay, and the rest of the country a surly dictatorship obsessed with tilling the land. What else do they have in their segment? A few French fields, most of Spain, the poverty of Morocco, Mall, the Sahara . . . then northwards three quarters of Iceland, excluding Reykjavik: which must be northwards three quarters of locating, excluding keykjavik; which must oc-almost totally isolated in a huge occan along with a knob of Brazil. (I've scraped the blackout paint off an old globe to check—then hurrically painted it back again.) Hard cheese, on our western flank! But we're doing very nicely, thank you, in mid-Euro-Afro. A heaven-sent blessing, the Barriers! So teach Mathematical Religion, count your blessings, don't squint east or west, pray the Barriers stay up. Don't ask who put them there. Say it was food. Or Allah, Or Forest Head. Some Allen Superbeing. Or even an all-too-human ABM Doomsday System. Paint the Globe black, except for your Fine it down to a single steel bow-belly of a worl

segment. Fine it down to a single steel now-neary of a worse.

THAT MIGHT BE ALL RIGHT FOR SOME PEOPLE!

All segments have to come together at the Poles. They must join together there. The Church has suppressed all mention of flights to the North or South Pole, to see. But there must have been flights. I'm highly suspicious

about this silence. So how about seeing for myself?

Not so impractical as it sounds. I can emigrate North. They need skilled labour in the Euro factories, Then, even if I have to hijack an airliner, we shall see what we shall see! Screw the Church, screw the Censorship. I'm for Truth. Me, Obi Nzekwu! There must be others like me.

A TALL Negro wearing a lightweight buttoning at lorry convoy all the way down the Sahara highway, with the segment emblem of the Church of Mathematical Geometry in his buttonhole, having a market city of Onlisha TALL Negro wearing a lightweight Euro-import suit that had come by thrown up his teaching post in the hot prosperous market city of Onitsha on the banks of the Niger, climbed aboard a lopsided mammy-wagon with the legend SEARCH YOUR SEGMENT FOR SUCCESS! painted along

At Lagos he signed on with a Ruhr recruiting agency, receiving a one-way ticket to Euro in return.

The Caravelle flew due north across the great desert, the glass walls still hundreds of miles distant on either side, though he imagined them progres-

sively narrowing the further north they flew.

His seat neighbour was a Hausa similarly bound for a Euro factory, who confided that he had taught in Koranic School once. He too wore the segment emblem now

'How could I go on bowing to Mecca?' he asked sadly. 'Mecca is gone. The Kaaba, the Black Stone, is forever black and vanished.' 'The war to our westward

was followed by nuclear explosions in the Arctic Ocean. Maybe the Other Russians were trying to blast their way through the Wall in retreat? Nobody really knew.

'Maybe it's a test of faith?' suggested Obi buoyantly. 'Besides, you never really bowed to Mecca. Not accurately. Did you ever take the Earth's curvature into account? Your prayers were forever flying off at a tangent 'In that case, maybe they were heard. By whoever it was. At least it has

made the world a pleasanter place. Ohi was on the point of tasking, 'how do you know?' when he realised that for this man as for so manny others the word norld simply meant segmen nowadays. Life was fine im mid-Euro-Afro so long as you didn't think of the exigencies to the westward, or the bloodshed to the east . . .

I LOST my love when the Walls came down. He was left on one side, I was on the other. We'd e'ven been holding hands a moment earlier. An inexorable force squeezed 'us apart. His hand became rubber then jelly and slid away to join the rest of lhis body over there. Let me remember this moment carefully. We were all takeen by surprise. Taxis were crashing headlong into the sudden invisible obstruction. Such chaos and fire and broken vehicles and bodies. At first we all t:hought it was an earthquake. So we tend to forget and goodes. At this we are thought it were an earthquiker, so we tend to orige certain things. Such as this very important fact of what exactly happened to human beings such as Echiev and I. who weren't riding taxis or trains but may standing quetilety, a little signart, but in love, hands joined.

I felt a repulsion. Not emotivously dust, strakeps -the -see-of-epulsion and butterfly feels for the chrysalis it separates from Chiro's hand seemed to

become a pseudopodium—a protoplasmic tentacle thinning out and flowing back towards his body. A rope of cells. Then a string, a gossamer. Then nothing. Whereupon suddenly it was a proper human hand again, beating on the glass between us. I repeat, it's only an impression, this. Perhaps I was hysterical. So much noise and crashing of taxis and the suddenness of it! But I really think the Walls weren't designed to hurt us individually in

the flesh if we were just standing about quertly, in love for instance.

I think of them as an experiment—a test, like an entrance examination.
In my case, of Love. In other cases (there must be others), of human will,

or dedication. Of the fine human qualities.

So, when we found we couldn't speak to each other, Ichiro and I, because this Wall was a wall of silence too, we scribbled characters in the air to make our minds clear to each other. Easy enough for we Japanese. We're used to misunderstandings, ambiguities in our words, that can only be cleared up by the invisible smoke signals of Chinese characters traced in a coffee bar, in the street, in a bus, upon thin air by our fingers . . . We vowed, means, to make our way to where the Wall ended, and be reunited. We vowed, by that

It was to be our quest. There was a sense of chivalry about it, in spite of the burning taxis and the fires spreading to the wooden houses. We'd both been students of European Literature at the University, as well as lovers, and here was the impossible love quest given us in the very heart of Greater Tokyo (strictly speaking, the petrochemical-infested bay area—since the Wall came into being on the outskirts of industrial Funabashi). We seized this task gladly, as a gift!

I did, at least. I believed Ichiro. Alas-or is it really alas?—there's only the gift, the pure idea of the quest itself, to believe, since he descreted me flimsily and callously after a few minor problems of travel arose, on his

Really, I don't care! I lost my love the day the Wall came down, but didn't lose Love itself. I am, like Marie-Henri Beyle (better known as Stendhal), 'in love with Love.' Someone will meet me where all the Walls meet. He

will be the one who deserve:

Ichiro's excuses! Outside Otawara, our last meeting: the city on my side, paddy fields and vegetable patches on his . . . We stood on the useless railway tracks, scribbling whisps of words in the air, and he said he was being drafted into the army. Did he mean the Self-Defence Force? No, he being drifted into the army. Did he mean the Self-Defence Force? No, he used Army and sounded proud of it, quite changed from his former positis self into an old-weipe classical solider. What das he say all the young men Mukken, Changchan and Harbin, ngculer with the North Korean, were highing an alliance of Seoul, Vladiovatok, Manila and the Greater Japan. He seemed to have fallen right back into the 1990 I/O vom Japanos-Australian-Siberian Co-Projectivy Alliance is fire more modern and critisled. I larneged of his in printed's excess, and burried on north. We had the to pursue our lives the way we wanted to in our de

So I, Hiroko Chiyoda, had little difficulty making my way up the Narrow Road to the Deep North, as did the poet Basho before me: through the Tohoku Region, across Hokkaido island, then on to Russian Sakhalin with



ed southlands and bleak northern tundra; thence by fishing boat across the Sea of Okhotsk to the city of Okhotsk itself (though Basho never came so far).

There in Okhotsk sadly I had to linger a long time working in a grim Inter in Oxfolois sally 1 has to inger a long time working in a grim Registan berchild (or Permy) Ber as they call them.] Learning, my living Registan berchild (or Permy) Ber as they call them.] Learning, my living westward was followed by nuclear explosions in the Arrici Ocean. Maybe the Other Russians were trying to blast their way through the Wall in retreat? Nobody really knew, But as radioactivity spread through all the East Siberian Sea, travel was forbidden; and I would have to wast for the radiation to disperse before I went further north. I thought: if radiation can penetrate
the Wall, so can the outpourings of Love! Over the next few years I almost came a native of Okhotsk, except that I never could forget the Stendhalian 'pursuit of happiness'. I, Japanese Hiroko, dwelling in Okhotsk among rough seamen, an amorous egoist biding my time, yearning for my soulmate . .

A FTER his year in the Ruhr factories producing machine tools, Obi Nzekwu succeeded in being transferred to the meteorological station on the island of Spitsbergen thanks to his knowledge of trigonometry; and shivered through one long winter till on a late spring morning, as migrating birds settled down to land from Sweden and points south, he stole a plane equipped with skis instead of wheels and headed forbidden-north . . .

At last travel became possible again and Hiroko Chiyoda, through her connections with a certain Party dignitary in Okhotsk (and fluent now in Russian) became cateress on a Soviet icheraker stationed, somewhat im-

Reasian) beams cutrers on a Soviet ichreaker stationed, somewhat im-portally, in the entury of the Indiginal Rever friend, article waters. The Marshal Greichle was of the latest design (of seven years previous), with The Western War had seemingly crossed in a statemast, with Korea remained from the North, the Chinese occupying the whole Khabacowsk are as far morth as the Annu River, and Greater Japan helping the shattered Soviet hold the line to the north of them, while in the far south, with the help of the Durwin Australians, the was building correptil critical solar fits Timor Sea. (These suppositions she gleaned from her friend in the Party, just before joining the Marshal Grechko.)

Six months later, while they were cruising north of Faddeyev Island, Six months later, while they were cruising north of Faddeyev Island, having familiarised herself with the workings of a spotter plane and even flown out over the sea once with the Lieutenant-Navigator who 'be become her and the season of the season of the season of the season of the The pursuit of happiness possessed her once molay about a cat. The pursuit of happiness possessed her once molay about a cat.

SOMETHING was black, at last, in the distance in all this white of ice.

A spot, no more, at first, so that Obi rubbed his aching eyes doubtfully, afraid it was an illusion brought about by staring too long. Then he sensed the closing in of the great Barriers on either side—sensed, more than saw, at first. Air pressure rose sharply and there was sudden turbulence—resistance, even, from the sky. Soon, auroral effects were visible in a V-shaped wedge ahead, and he actually saw the translucent sky-high walls tinted with a faint blush of rose, a hint of violet, a cellophane amber. However the plane was bucking and yawning too dangerously to trust it any further. Taking a last hard look at the (by now) black cone, he set his machine down on to the snowfields, bumping and bouncing over ridges to a halt. When he climbed out, he could still see the cone, but illusion twisted it into a tiny black man's face seen through the wrong end of a telescope, set in an immense bundle of white clothing. It wouldn't come clear. He couldn't judge distance properly so that it could have been any way away or any size. Besides, those auroras were playing tricks with the periphery of his vision, spooks lurking in an

were playing tracks with the periphery of his vision, spooss lutting in an invisible forest behind glus trees whosh height was sessoon. He felt scared, oxygen into his lungs, that at least invigorated him.

Oli passed one disched, shandoned sirplane, then another. Snow had drifted over them, hiding them, and he wondered why it hadn't hidden that black cone similarly. Scooping snow off the wing of a plane, he watched it wander back along the ground as though magnetised. How many ridges and hummocks hid vehicles of one sort or another, camouflaged by snow? Doesn't the Polar ice-cap float on the sea beneath? Doesn't it swing round slowly? Shouldn't these planes have drifted south (for everywhere was

south from here)-in some direction or other? Were the Barriers holding the ice-cap locked in place? He wondered, but came up with no answers except that the black thing ahead must be the Alien Apparatus. The Doomsday Device. The Machine.

It was a full cone intruding upon all the Barriers

Yet its base looked so irregular: indented and uneven.

Segmented too, a set of rough wedges arranged in a circle. The top half of

a black fruit, broken up and put together again carelessly with gaps. This was a Machine

Why not? Why assume that all machines have to be gleaming steel and aluminium?

But then Obi saw what the mound was, Bodies.

Piled up fifty feet above the snow. A separate wedge for each segment where the Barriers converged.

Bodies, That had scrambled over each other, to reach through—and made

a pyramid of themselves.

Bodies, which the snow left alone

Obi touched one with his gloved hand. It came away covered in a fine black grit. The body was frozen hard, Even its clothes were sheets of steel He tugged at it, to see its face, but it was too tightly locked to all the others that had climbed the slope before it-and, indeed, become the slope.

> Then he sensed the closing in of the great barriers on either side-sensed more than saw at first. Air pressure rose sharply and there was sudden turbulence -resistance, even, from the sky.

CAUTIOUSLY, Hiroko set foot on the forty-five degree incline of rigid, gritty corpses. Whatever fate had overtaken them, she was sure would spare her. The cone shape reminded her so strongly of Mount Fuji, and even the black ash covering it was so reminiscent of a miniature Fuji, that she felt an instant surge of affinity with the mound, as if it belonged to her, had been waiting for her steps alone. Something had electrocuted them, Something had shocked them to death,

Something that deposited this volcanic grit as a byproduct . . She climbed to the summit.

And there found a man whose face was black standing looking at her She thought he'd just been killed—electrocuted, blackened—and hadn't fallen yet. Then he grinned at her, and she realised that he was Love: the

black prince of her quest. black prince of her quest. He said something. His lips moved but she heard nothing. His hands gestured that he couldn't hear her, either. Impatiently, both people thrust their way into the final shimmery gap where all the segments met. She felt her shoulders pinched; had to turn sideways, to force her way a little further. The glassy walls pressed painfully on her chest and back.

He too elbowed towards her strenuously, like someone swimming through

thick jelly. Reaching out his hand to her. Abruptly, briefly, both people seemed to become pseudopods—protoplasm flowing out, and through each other's streams. There was a twisting lurch of the guts. An instant in which his heart brushed hers, and their heartbeats

Then, a moment of discontinuity and she found herself standing with

Then, a moment of discontinuity and she found herses standing with her back to him, staring down the far side of the cone. At the same instant as Hiroko, Obi swung round crazily. Both stared horrified across the glassy gap that still separated them. She started screaming at him. In Japanese, Russian, English, French.

He howled English and Ibo and German at her. They only heard the noise of their own voice Already the walls were shimmering and squeezing at them. Air pressure

became intolerable: an irresistible pillow forcing them back down the body mountain, to lose sight .

Obi ran far out on to the snow fields: far enough out to be able to see past the cone to the far side, where she should be by now. He halted, ice aching in his lungs. Only the cone and the white field round it were visible: no sign of any Japanese girl. He waited half an hour—an hour—till he had to walk

away, or freeze.

He fled through the curiously magnetic snow, hunting for a buried airplane or snowmobile, wondering what segment of the world he was in now . .

HIROKO had halted near the base of Mount Fuji. Taking her gloves off, she numbly fumbled a cigarette lighter from her pocket. So electric, the air! So tinder dry! So combustible! She flicked the lighter

The Walls shimmered briefly—acquiescently, appreciatively.

## **NEWS**

By Julie Davis

ICA SF 75
SFM Vol 17 No 12 gave details of the si event being arranged at the Institute of Contemporary Arts during Januery, Pebruary and March. Additions to the list of si celebrities who will be lecturing include: Thomas M Disch, Professor John Taylor, Dr Edward de Bono and Alvin Toffler. The film shows will take place on Tuesday evenings, the lectures on

shows will take paces in Lescay Will take paces in Lescay Wednarday wellings and children's events on Saturdays. On view in the loyer and on the concourse will be a special exhibition of some of the paintings submitted to the paintings submitted to the ashibition called Designing the Future prepared by Ravensbourne College of Art and Design. Further details are available from ICA, Nash House, 12 Carlton House Terroe. L. 120-05. Will 1: Elephone 1.

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London Libraries II London are Iwa public libraries III London are Iwa public libraries III condon are Iwa public libraries III you manage to resed this before the end of January you may catch the end of January you may catch the send of January you may catch the send of January you may catch the send of January you may catch the Newcoor Library is at pen from 9.30 mm to 8 mm Monday to Friedram 9.30 mm to 8 mm Monday to Rome Tarker You make 3.00 mm to 8 mm of 3.00 mm of 8 mm of 8 mm of 8 mm of 9 mm of Mondays and Wednesday.

They will be a before the State of 10 mm of 5 mm of

bibliography, and there will also be a graphic display of some kind. 8 attersea District Library has also arranged an sf event which takes the form of a series of film shows, about one every fortnight. Unfortunately it started in

Omeonumetely it stereo in November but it does continue until March: as well as showing classic of films, on 22 January James Blash and on March whis James Blash and on March whis information about this can be obtained from Sue Smythe at 8 atterese District Library, Lavender Hill, London SWIT: telephone 07 228 R898 4478.

North East SF Group Following the success of Tynecon 74, last year's British Easter SF Convention, held in Newcastle, the North East SF Group hava decided to hold regular meatings for locel fans. Thraa meatings have slready taken place but details of any still to come can be obtained from: Robert Jackson 21 Lyndhurst Rd. Benton

Newcastle upon Tyne, NE12 9NT. Most of the discussions will be open to anyone, including non-members, but if you want to attend the film shows you'll have to join the group. Fees ere 20p for en

group. Fees ore 20p for on individual meeting or £1 for a year.

Hugo Award Winners 1974
Novel: Rendezvous with Rame by Arthur C Clarke. Novalle: The Girl Who Was Plugged In by James Tiptree. Novaletta: The Destroyed or Parland Filliagn. Short

Story: The Ones Who Walk Away

From Omelas by Ursula K Le Guin.
Fanzine: Algol. Fan Artist: Tim
Kirk. Pro Artist: Kelly Frees. Pro
Editor: Ben Bova: Fan Writer:
Susan Wood: (Glicker)
Susan Wood (Glicker)
Susan Wood (Glicker)
Sepeler (Maward:
Spider Robinson & Lisa Tuttle
Gandalf Award: JRR Tolkien.
Speciel Effects Season

The National Firm Theater in London Insurange for a special control near surgeous for a special control near surgeous feetings for the leading special effects in the control for the surgeous for Will be held in Publication of John Bircham is book Moyes Malige Which as on the same surgeous for the leading to the surgeous for the leading to the leadin

Film News from John Brosnan William F Nolari Łoganir Flum Nilliam F Nolari Łoganir Flum has finally been made by MGM (George Pat Iried to make it severel years ago but failed to get the necessity backing) and was due for relaxe in Americe lest year. It is set in a future world where all people over the age of 21 are exterminated by special police. One of the exterminators, himself 21 years old, decides suddenly that

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the system has its drawbacks.
The makers of Enter the Dragon,
the Bruce Lee epic, have gone into
the science fiction field with a
Warner Brothers' production called
The Barony, It stars Yul Brynner
as a rebel of the next century.
Rohart Clause directs.

Columbia have released, in America, a science fiction film called Chasen, Survivors. It concerns e group of people chosen by a computer to survivie a possible etonic war. They are taken to on undespround testing area where they are exposed to a number of dangers arranged by their scientific manipulation, but of course things manufactured their scientific properties. The science of the scientific properties of the scientific properties of the scientific properties. The science of the scientific properties of the scientific properties

The Bofors Gun and The National Health) has made a film version of the Algis Budrys novel celled Who? A scientist is injured in a laboratory explosion in Germany. He is seved by East German doctors who provide him with a metal head. He is sent back to West Germany where the suspicion grows that perhaps the American scientist is really deed and the man with the metal head is a syn...

Further news on Star Trek: there are plans this year to produce e made-for-v film of Star Trek using as many of the original cast as possible, withough it doesn't look as if Leonard Nimoy will take part. If it proves successful they plan to show a one-end-a-half hour Star Trek tv film every three weeks . . a similar format to the Colombo, McCloud, etc, tv series.

BOOKS

THE ENCYCLOPEDIA OF SCIENCE FICTION &

FANTASY, Vol. I Compiled by Donald H Tuck, Advent Publishers, 1974, \$20.00

THANKS TO SFM we've already learned of EE Smith's interest in doughnuts. But did you know that Harian Ellison was once a bookies' runner, Ray Bradbury sold runner, Ray Bradbury sold runner Bradley has been a target for a carnival knife-thrower?

for a carnival knife-thrower?

Trua enough, although these somewhat irreverent details are the least important part of the vast mass of information contained in Donald Tuck's monumental Encyclopedia of Science Fiction & Fantasy, Volume I of which has just been published by Advent.

published by Advent. Like Asimov's better-known Encyclopedia Project this one will take some time to complete, with the rost part due out in about section a year or two after that. The first two books contain a series of biographies of authors, anthologists, editors, strists, etc. while Volume III will deal with the magazines, paperbacks.

The present work contains nearly 300 large-six pages from A.1, and looking through we are overwhelmed with fascinating notes about the personalities in our field. Lin Catter becomes 'Carter, Lin (wood Vroomen'). Lester del Hey is really "Amono Falipe San Juan Mario Silvios Enrico Alvarez-del National Carter San Carter

Over and above the biographies are hard facts; information on every author's work. Including their series, hardboard books, are series, hardboard books, and foreign editions), non-fiction works and anthologies. Isting the contents of every one. Thus issue, the series of the series of every one. Thus is the contents of every one. Thus is the content of every one thus great the series of the s

400 different megazines!
In short the Encyclopedia is an awesome work of reference and enjoyment and it is the fruit of over twenty years' labou by the compiler, made all the more remarkable because for all of that time he has lived in Tasmania, hardly the centre of the science

fiction world.
There's simply no argument; anyone who takes their af seriously (and most SFM readers do) must have this book. Sell your shirt, pawn your watch, and buy it. And Volumes II and III will really be

worth waiting for.
(The Encyclopedia can be ordered from any of the speciality of booksellers, or direct from Advent Publishers, PO Box 9228, Chicago, Illinois 60690, USA.)

THE COSMIC CONNECTION by Carl Sagan Hodder & Stoughton, £3.50 NOW THAT'S extraordinary. According to the astronomer Carl

According to the astronomer Can Sagan it would be quite easy to detect the presence of life on Eerh from the pleanet Mars, invisible photographically but revealed because of the one-part-per-million of methane in our atmosphere. The principel habitat of methane bacteria, incidentally, is in the

stomachs of bovine animals.

Thus, says Sagan, 'We would not ordinarily consider the flatulence of cattle as a dominant manifestation of life on Earth, but there it is.'

This is a typical example of the

fascinating cosmological facts. No that the item quoted is particularly assisted to the chapter little and the particular assisted to the chapter little and then goes on to discuss achemes such as 'seeding' Venus with algee to produce an oxygen atmosphere, installing an enormout orbiting mirror to warm-up Mars,

and colonising the asteroids.
Now wait a minute; this is a
serious, non-fiction book by a
respected scientist? Discussing
these way-out science fiction
ideas?
That is part of the measure of the

changes in attitude which have followed our lifts tape; into space, can remember (he says, stroking his beard) when the very idea of a moon landing was sneered at; now the Establishment seems all too keen to expropriate sf's concapts and its very terms (like robot', 'terraform') with never an ecknowledgement.

Have you noticed, for instance, the very the paper still say things the very the paper still say things the very the paper still say things the very select filling the paper select filling the very select filling the very select filling which scientific orthodoxy was unable to see. Ah, it is a thankless calling to be a prophet!

Not that Sagan has jumped on

any band-wagons—he is more likely to have set them rolling in the first place, and he has directly influenced the thinking of sf authors like Lerry Niven, for one example.

This brilliant young astronomer has had the good fortune to have guessed right on helf a dozen occasions, and seems to have an almost uncanny knack of getting involved with all the most exciting projects of the space sciences. For instance he is intimately

concerned with the various NASA probe of Mars and was businy analysing the famous dust-storm plcturas from Mariner-3 as they came in. He was on hand for experiments to try and duplicate designed the plaque for Pioneer-10, instrumentation object to leave the solar system; has communicated with dolphins, worked on sending mark with dolphins, worked on sending random of the control of the control

Sagan himself knows how fortunate he has been; he says in his preface, "even today there are to me like an impossible, if unusually pleasant dream". And in his book he manages to convey the excitement and wonder of all these researches, end more besides.
Chapter headings will give some idea of the flavour. "Beginnings

and Ends of the Earth';

'Astroengineering'; 'Venus is Hell';
and 'A Search Strategy for
Detecting Extraterrestrial
Intelligence'.

Intelligence.

This is genuinely one of the most remarkable books to come into my hends for many years. Profusely illustrated, it generated more ideas, more of that dusive sense of wonder in me than has almost any st novel 1 can name. Cerl Sagan, you are a very lucky

man.

FREE POSTERS: The poster offer in SFM Vol 1 No 3 has proved so popular that the demand has exceeded the supply. Reprinting has just been completed and you should roceive your posters any day now. Sorry for the delay.

2001: A Space Odvssev. something of a rarity, and thirdly, and most interesting of all—it's an amateur film made by a group Southern California. Now the term 'amateur' when applied to filmaking usually conjures up images have acting, make-aim sets the immature script-writing but, happily, none of these faults are to be found in Dark Star. On the contrary, it is probably one of the best science fiction films to be

made during the last decade science fiction devices, cinematic familiar things upside-down and treats them in a fresh and very spoof than Woody Allen's film Sleeper, which won a Hugo as this year's best science fiction that's saving something.

Dark Star is the name of the

that might one day collide with a star and thus cause a super-nova, and destroy them with 'thermosteller' bombs. They've Thermosteller bombs. I hey ve been doing this for a very long time and the rot has begun to set in. Things are breaking down... the talking computer, which has a voice similar to that of the late Marihan Monona, is having trouble Marilyn Monroe, is having troubla controlling the ship's vital life-support systems. To add to its problems the bombs used to intelligent and have voices of keeps threatening to explode ahead of schedule, which means the come uter must keep

## **FILM REVIEW BY** JOHN BROSNAN



persuading it not to. The crew's sleeping quarters have been destroyed by a meteor so the m are forced to sleap together in an ampty cabin which resembles a hippy hide-out-dirty mattresses on the floor and slogans scrawled in paint all over the walls. The men themselves are also

beginning to break down. One of them spends all of his time in the observation dome staring at the stars, another, an ex-surfer, yearns for his surfboard and Malibu Beach. The other two are becoming increasingly paranoid. A fifth member of the crew, the former captain, has been killed whan his control panel blew up. Though technically 'dead' he has

cryogenic tank and the crew can nunicate with him, by means of electrodes implanted in his brain, when emergencies arise talk about his favourite baseball team.

Also on board is the shin's scot, a rather nasty alien creature that resembles a large beach ball with claws. One of the also designed and handled the special effects), spends a good part of the film trying to recapture

this murderous 'pet' after it gets loose in the ship. He finally shoots

disasters reaches a crescendo when everything in the ship goes wrong at once—leaving one of the talking bombs outside the ship and langres the computer so one of ship in an attempt to argue it out of exploding by the use of phenomenology. This has both tragic and hilarious results.

Dark Star, which has been described as 'an absurdist con

outer space', cost just over \$6,000 to make. For a film that often looks as lavish as some of Hollywood's most expensive produced, directed and also wrote the screenplay. He started planning it in 1970 and shortly afterwards and film student, in the project. For the next three years they spent all their spare time working on the film, financing it out of their own pockets. They were influenced by 2001: A Space Odyssey as far as the interior design of the spaceship and many of the spaces in Jan many or the exterior shots were concerned but, O'Bannon maintains that the talking bomb, one of the film's most fascinating devices, was not based on HAL 9000 but on an

old idea of his own.

The Other Cinema, who own the rights to Dark Star in this country, are currently negotiating England sometime in 1975. It is also likely that the film will be this year. It is definitely a film that all science fiction fans sho go out of their way to see. After Dark Star it will be hard to watch any other science fiction film with a straight face.

## Crossword Competition No 4

Win a copy of NEL's New Hardback 'The Eyes of Heisenberg' By Frank Herbert. All you have to do is complete the crossword and send it in with the entry form Prizes will be awarded to the senders of the first three correct entries opened.

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