

PUBLISHED BY:

THE SCIENCE-FICTION ASSOCIATION. 20, Hollin Park Road, Leeds 8. England.

EDITOR: Douglas W.F. Layer.

SZLECTION COLMITTEE:

E.J. Carnell. Dr. i.A. Gibson. M.K. Hanson. F. Pragnell. H. Warnes.

FORE WRD.

There is no doubt that quite a fer reading, after seeing some of the mmateur science-fiction stories included in some American far magnanes, were pleasantly surprises by the high standard of the story in the first issue of this magazine. ("Mr. Craddock's Life-Line" by Temple Milliams.)

So pleased were readers by the quality, that coupleints were received that the issue did not contain enough material. This, we trust, has been remedied by the prorent issue, which contains nearly twice as much.

We should like to remind readers that the first three issues of this magazine are experimental once, and it depends on the general reach ion to those whether or not the magazine is continued. All readers, therefore, are invited to send detailed comments on the stories

The most essential thing, however, is that we should be well supplied with nucerial from which to solect stories. The initial recognishment of the solect stories and the estimate of the solect stories are thought to light. But now, rejections, etc. how reduce our stock, and we appeal to all ameteur authors to support this, their own measure.

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TRAVEL BY WIDE!

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Arthur C. Clarke.

You people can have no idea of the troubles and triels we had to endure before we perfected the redic-tenaporter, not that it's quite perfect even yet. The greatest difficulty, as it had been in television thirty years before, was improving definition, and we spent nearly five years over that it approximate, as you will have seen in the Science Ruseum, the first excelse we translitted wese wooden cube, which is a superior of the second of dealing with the object molecule by molecule or better still electron by electron, our seamers took little chunks at a time.

This didn't matter for some things, but if we wanted to transmit objects of art, let alone human beings, we would have to improve the process considerably. This we munaged to do by using the delta-rey scanners all round our subject, above, below, right, left, in front and behind. It was a lovely game synchronising all six, I can tell you, but when it was done we found that the transmitted clements were ultra-microscopic in size, which was quite good enough for most purposes.

Then, when they weren't looking, we borrowed a guines pig from the biology people on the 57th. floor, and sent it through the apparatue. It came through in excellent condition, except for the fact it was dead. So we had to return it to its owner with a polite request for a post-nortom. They raved a bit at first, saying that the infortunate creature had been inoculated with the only specimens of some germs they'd spont months rearing from the bottle. They were so onnoyed, in fact, that they fieldly refused our recoust.

Such insubordination on the part of mere biologists was of course deplorable, and we prematize generated a high-frequency field in their laboratory and gave them all foror for a few minutes. The post-morten results cause up in half an hour, the verdict being that the creature was in perfect condition but had died of shock, with a rifer to the effect that if we wanted to try the emperiment again to should blindfold our victime. We were also told that a combination lock had been fitted to the 37th. Those to protect it from the depredations of kieptomaniacal mechanics who should be weaking ears in a garage. We council that this pass, so we inschardly X-rayed their lock and to their complete consternation told then what the key-work was.

That is the best of being in our line, you can always do what you like with the other people. The chamists on the next floor were only serious rivals, but we generally came out on top. Yos, I remember that time they slipped sens vile organic stuff into our lab, through a hole in the ceiling. We had to work in respirators for a month, but we had our revenge later. Every night after the staff had loft, we used to send a dose of mild cosmics into the lab, and curdled all their beautiful precipitates, until one ovening old Professor Indson stayed bohind and we nearly finished him off. But to got back to my story—

We obtained another guinea pig, chloroformed it, and sent it through the transmitter. To our felight, it revived. We immediately had it killed and outfied for the benefit of posterity. You can see it in the museum with the rest of our apparatum.

But if we wented to start a passenger service, this would never do - it would be too much like an operation to suit most people. However, by cutting form the transmitting time to a ten-thousendth of a second, and thus rejecting the shock, we managed to send emother guinea pig in full possession of its faculties. This one was also stuffed.

The time had obviously come for one of us to try out the apparatus

but as we realised what a loss it would be to humanity should caything go wrong, we found a suitable victim in the person of Professor Kingston, who teaches Greek or seacthing foolish on the 197th. floor. Ic lured him to the transmitter with a copy of Homor, switched on the field, and by the row from the receiver, we know he'd arrived safely and in full possession of his faculties, such as they were. We would have liked to have had him stuffed as well, but it couldn't be arranged.

After that we went through in turns, found the experience quite painless, and decided to put the device on the market. I expect you can resember the excitement there was when we first &crossstrated our little toy to the Fress. Of course we had the dickens of a job convincing them that it wasn't a fake, and they didn't really believe it until they had been through the transporter themselves. We drew the line, though, at Lord Resseastle, who would have blown the fuses even if we could have got him into the transmitter.

This domonstration gave us so much publicity that we had no trouble at all in forming a company. We hade a reluctant farevell to the Research Foundation, told the remaining scientists that perhaps one day we'd heap coals of fire on their heads by sending them a few millions, and started to design our first conservate senders and receivers.

The first service was insugarated on May 10th. 1962. The cormontook place in London, at the transmitting and, though at the Paris receiver there were anomalise crewfe watching to see the first pessenger crive, and proably hoging they wouldn't. Anid choors from the assumbled thousands, the Prime Hinister pressed a button (which wasn't connected to anything), the chief ongineer thre a switch (which wasn't connected to anything), the chief ongineer three a switch (which was) and a large Shino Jack faced from view and expected again in Paris, rather to the annovance of some nativative Pronchane.

After that, passengers began to stream through at a rate which left the Customs officials helpicss. The service was a great and instantaneous success, as we only charged 25 per person. This we considered very moderate, for the electricity used cost quite one hundredth of a penny.

Byfore long we had cervices to all the big cities of Europe, by coble that is, not radio. A wired system was safer, though it was dreadfully difficult to ley polynxial cables, costing 2500 c mile, under the Ch invol. Then, in conjunction with the Post Office, we began to dovelop internal services between the large towns. You may remember our slogans "Travel by Phone" and "It's quicker by Wire" which were half overywhere in 1963. Soon, practically overyone used our circuits, and we were handling thousands of toms of fright per day.

Meturally, there were accidents, but we could point out that we had done what no Minister of Transport had ever done, reduced road fatalities to a mere ten thousand a year. We lost one client in six million, which was pretty good even to start with, though our record is even botter new. Some of the mishage that occurred were very poculiar indeed, and in fact there are guite a few cases which we haven explained to the dependents yet, or to the insurance companies wither.

One common complaint was earthing along the line. When that happened, our unfortunate passenger was just dissipated into nothingness. I suppose his or her molecules would be distributed more or less evenly over the entire earth. I remember one particularly grussma accident when the apparatus failed in the middle of a transmission. You can guess the result... Perhaps even worse was what happened when two lines set crossed and the currents were mixed.

Of course, not all accidents were as had as those. Sometimes, owing to a high resistance in the circuit, a passenger would lose caything up to five stone in transit, which generally cost us about 21000 and enough froe meals to restor the missing embargent. Fortunately, were seen able to make money out of this affeir, for fat people came along to be reduced to manageable dimensions. We made a special appearate which transmitted messive downgers round resistance coils and recensabled than where they started, minus the cause of the trouble, "So quick, my doar, and quite painless! I'm sure they could take off

that 150 pounds you want to lose in no time! Or is it 2009"

We also had a good docl of trouble through intereference and induction. You soo, our apparetus picked up various electrical disturbances and superimposed them on the object under transmission. As a result many people cerse out looking like nothing on earth and very little on large or Verms. They could usually be streightened out by the plastic surgeons, but some of the products had to be seen to be believed.

Fortunately these difficulties have been largely overcome now that we use the micro-beams for our carrier, though now and then accidents still occur. I expect you reseaser that big larmuit we had last year with litt Cordova, the television star, who claimed £1,000,000 dumages from us for alleged loss of beauty. She asserted that one of her eyes had moved during a transmission, but I couldn't see must difference aweelf and nor could the jury, who had enough opportunity, She had hysterics in the court when our flict Electrician sent into the box and said bluntly, to the alarm of both sides largers, that if crything really had gone wrong with the transmission, Miss Cordova wouldn't have been able to recognise herself had any cruel porson handed her a mirror.

Lots of people ask us when we'll have a service to Venus or Mors. Doubtless that will come in time, but of course the difficulties are pretty considerable. There is so much sun static in space, not to mention the verious reflecting layers everywhere. Even the micro-waves are stopped by the Appleton "Q" layer at 100,000 Rm, you know, Until we can pleree that, Interplanetary shares are still asfo.

Well, I see it's nearly 22, so I'd best be leaving. I have to be in New York by midnight. What's that? Oh, no, I'm going by 'plone, I don's travel by wire"! You see, I helped invent the thing!

Rockets for no! Good-night!