

## Introduction

Will man be able to continue to produce enough food to support rapid population increase? Some scholars have faith that scientific technology will produce sufficient food and other resources. Others, dating from Thomas Malthus' famous essay on population in 1798, feel that man's increase in numbers will eventually outstrip man's ability to feed the increased numbers and mankind will be faced with a crisis of survival.

While scientists in many disciplines have studied and debated the equations of food and energy production vs. population growth and try to project the probabilities of man's biological survival, some sociologists have raised this important question: Assuming that massive populations can physically survive on earth, what changes in social organization will be required if societies of billions of people are to function? It is not unlikely that man's social world will be altered in as yet unimagined patterns, and with these changes man's beliefs and values will be altered as well.

"Total Environment" is set in a world that has managed its food shortages, but where individuals perform experiments on other human beings to test the effect of high densities of population on human social and psychic functioning, much as some behavioral psychologists today study rats to investigate the same question. Following the inhabitants of "Total Environment" as they adjust to their artificial conditions, one sees some familiar social processes at work— intragroup status hierarchies developing, groups forming for protective functions, and commitment and fatalistic attitudes toward their way of life emerging. Is their social world a simple extension of our own? There are two crucial questions here: Will large populations in limited space produce the kind of social world portrayed in this story? In the future, will man's moral and ethical values permit him to commit other human beings to experimental "total environments?"

## Total Environment

Brian Aldiss

"What's that poem about 'caverns measureless to man'?" Thomas Dixit asked. His voice echoed away among the caverns, the question unanswered. Peter Crawley, walking a pace or two behind him, said nothing, lost in a reverie of his own.

It was over a year since Dixit had been imprisoned here. He had taken time off from the resettlement area to come and have a last look round before everything was finally demolished. In these great concrete workings, men still moved—Indian technicians mostly, carrying instruments, often with their own headlights. Cables trailed everywhere; but the desolation was mainly an effect of the constant abrasion all surfaces had undergone. People had flowed here like water in a subterranean cave; and their corporate life had flowed similarly, hidden, forgotten.

Dixit was powerfully moved by the thought of all that life. He, almost alone, was the man who had plunged into it and survived.

Old angers stirring in him, he turned and spoke directly to his companion. "What a monument to human suffering! They should leave this place standing as an everlasting memorial to what happened."

The white man said, "The Delhi government refuses to entertain any such suggestion. I see their point of view, but I also see that it would make a great tourist attraction!"

"Tourist attraction, man! Is that all it means to you?"

Crawley laughed. "As ever, you're too touchy, Thomas. I take this whole matter much less lightly than you suppose. Tourism just happens to attract me more than human suffering."

They walked on side by side. They were never able to agree.

The battered faces of flats and houses—now empty, once choked with humanity—stood on either side, doors gaping open like old men's mouths in sleep. The spaces seemed enormous; the shadows and echoes that belonged to those spaces seemed to continue indefinitely. Yet before... there had scarcely been room to breathe here.

"I remember what your buddy, Senator Byrnes, said," Crawley remarked. "He showed how both East and West have learned from this experiment. Of course, the social scientists are still working over their findings; some startling formulae for social groups are emerging already. But the people who lived and died here were fighting their way towards control of the universe of the ultra-small, and that's where the biggest advances have come. They were already developing power over their own genetic material. Another generation, and they might have produced the ultimate in automatic human population control: anoestrus, where too close proximity to other members of the species leads to reabsorption of the embryonic material in the female. Our scientists have been able to help them there, and geneticists predict that in another decade—"

"Yes, yes, all that I grant you. Progress is wonderful." He knew he was being impolite. These things were important, of revolutionary importance to a crowded Earth. But he wished he walked these eroded passageways alone.

Undeniably, India had learned too, just as Peter Crawley claimed. For Hinduism had been put to the test here and had shown its terrifying strengths and weaknesses. In these mazes, people had not broken under deadly conditions—nor had they thought to break away from their destiny. Dharma— duty—had been stronger than humanity. And this revelation was already changing the thought and fate of one-sixth of the human race.

He said, "Progress is wonderful. But what took place here was essentially a religious experience."

Crawley's brief laugh drifted away into the shadows of a great gaunt stairwell. "I'll bet you didn't feel that way when we sent you in here a year ago!"

What had he felt then? He stopped and gazed up at the gloom of the stairs. All that came to him was the memory of that appalling flood of life and of the people who had been a part of it, whose brief years had evaporated in these caverns, whose feet had endlessly trodden these warren-ways, these lugubrious decks, these crumbling flights...

## II

The concrete steps, climbed up into darkness. The steps were wide, and countless children sat on them, listless, resting against each other. This was an hour when activity was low and even small children hushed their cries for a while. Yet there was no silence on the steps; silence was never complete there. Always, in the background, the noise of voices. Voices and more voices. Never silence.

Shamim was aged, so she preferred to run her errands at this time of day, when the crowds thronging Total Environment were less. She dawdled by a sleepy seller of life-objects at the bottom of the stairs, picking over the little artifacts and exclaiming now and again. The hawker knew her, knew she was too poor to buy, did not even press her to buy. Shamim's oldest daughter, Malti, waited for her mother by the bottom step.

Malti and her mother were watched from the top of the steps.

A light burned at the top of the steps. It had burned there for twenty-five years, safe from breakage behind a strong mesh. But dung and mud had recently been thrown at it, covering it almost entirely and so making the top of the stairway dark. A furtive man called Narayan Farhad crouched there and watched, a shadow in the shadows.

A month ago, Shamim had had an illegal operation in one of the pokey rooms off Grand Balcony on her deck. The effects of the operation were still with her; under her plain cotton sari, her thin dark old body was bent. Her share of life stood lower than it had been.

Malti was her second oldest daughter, a meek girl who had not been conceived when the Total Environment experiment began. Even meekness had its limits. Seeing her mother dawdle so needlessly, Malti muttered impatiently and went on ahead, climbing the infested steps, anxious to be home.

Extracts from Thomas Dixit's report to Senator Jacob Byrnes, back in America: To lend variety to the habitat, the Environment has been divided into ten decks, each deck five stories high, which allows for an occasional pocket-sized open space. The architecture has been varied somewhat on each deck. On one deck, a sort of blown-up Indian village is presented; on another, the houses are large and appear separate, although sandwiched between decks—I need not add they are hopelessly overcrowded now. On most decks, the available space is packed solid with flats. Despite this attempt at variety, a general bowdlerization of both Eastern and Western architectural styles, and the fact that everything has been constructed out of concrete or a parastylene for economy's sake, has led to a dreadful sameness. I cannot imagine anywhere more hostile to the spiritual values of life .

The shadow in the shadows moved. He glanced anxiously up at the light, which also housed a spy-eye; there would be a warning out, and sprays would soon squirt away the muck he had thrown at the fitting; but, for the moment, he could work unobserved.

Narayan bared his old teeth as Malti came up the steps towards him, treading among the sprawling children. She was too old to fetch a really good price on the slave market, but she was still strong; there would be no trouble in getting rid of her at once. Of course he knew something of her history, even though she lived on a different deck from him. Malti! He called her name at the last moment as he jumped out on her. Old though he was, Narayan was quick. He wore only his dhoti, arms flashing, interlocking round hers, one good powerful wrench to get her off her feet—now running fast, fearful, up the rest of the steps, moving even as he clamped one hand over her mouth to cut off her cry of fear. Clever old Narayan!

The stairs mount up and up in the four corners of the Total Environment, linking deck with deck. They are now crude things of concrete and metal, since the plastic covers have long been stripped from them.

These stairways are the weak points of the tiny empires, transient and brutal, that form on every deck. They are always guarded, though guards can be bribed. Sometimes gangs or "unions" take over a stairway, either by agreement or bloodshed.

Shamim screamed, responding to her daughter's cry. She began to hobble up the stairs as fast as she could, tripping over infant feet, drawing a dagger out from under her sari. It was a plastic dagger, shaped out of a piece of the Environment.

She called Malti, called for help as she went. When she reached the landing, she was on the top floor of her deck, the Ninth, where she lived. Many people were here, standing, squatting, thronging together. They looked away from Shamim, people with blind faces. She had so often acted similarly herself when others were in trouble. Gasping, she stopped and stared up at the roof of the deck, blue-dyed to simulate sky, cracks running irregularly across it. The steps went on up there, up to the Top Deck. She saw legs, yellow soles of feet disappearing, faces staring down at her, hostile. As she ran toward the bottom of the stairs, the watchers above threw things at her. A shard hit Shamim's cheek and cut it open. With blood running down her face, she began to wail. Then she turned and ran through the crowds to her family room.

I've been a month just reading through the microfiles. Sometimes a whole deck becomes unified under a strong leader. On Deck Nine, for instance, unification was achieved under a man called Ullhas. He was a strong man, and a great show-off. That was a while ago, when conditions were not as desperate as they are now. Ullhas could never last the course today. Leaders become more despotic as Environment decays.

The dynamics of unity are such that it is always insufficient for a deck simply to stay unified; the young men always need to have their aggressions directed outwards. So the leader of a strong deck always sets out to tyrannize the deck below or above, whichever seems to be the weaker. It is a miserable state of affairs. The time generally comes when, in the midst of a raid, a counter-raid is launched by one of the other decks. Then the raiders return to carnage and defeat. And another paltry empire tumbles.

It is up to me to stop this continual degradation of human life.

As usual, the family room was crowded. Although none of Shamim's own children were here, there were grandchildren—including the lame granddaughter, Shirin—and six great-grandchildren, none of them more than three years old, Shamim's third husband, Gita, was not in. Safe in the homely squalor of the room, Shamim burst into tears, while Shirin comforted her and endeavored to keep the little ones off.

"Gita is getting food. I will go and fetch him," Shirin said.

When UHDRE—Ultra-High Density Research Establishment—became operative, twenty-five years ago, all the couples selected for living in the Total Environment had to be under twenty years of age. Before being sealed in, they were inoculated against all diseases. There was plenty of room for each couple then; they had whole suites to themselves, and the best of food; plus no means of birth control. That's always been the main pivot of the UHDRE experiment. Now that first generation has aged severely. They are old people pushing forty-five. The whole life cycle has speeded up—early puberty, early senescence. The second and third generations have shown remarkable powers of adaptation; a fourth generation is already toddling. Those toddlers will be reproducing before their years attain double

figures, if present trends continue. Are allowed to continue.

Gita was younger than Shamim, a small wiry man who knew his way around. No hero, he nevertheless had a certain style about him. His life-object hung boldly round his neck on a chain, instead of being hidden, as were most people's life objects. He stood in the line for food, chattering with friends. Gita was good at making alliances. With a bunch of his friends, he had formed a little union to see that they got their food back safely to their homes; so they generally met with no incident in the crowded walkways of Deck Nine.

The balance of power on the deck was very complex at the moment. As a result, comparative peace reigned, and might continue for several weeks if the strong man on Top Deck did not interfere.

Food delivery grills are fixed in the walls of every floor of every deck. Two gongs sound before each delivery. After the second one, hatches open and steaming food pours from the grills. Hills of rice tumble forward, flavored with meat and spices. Chappattis fall from a separate slot. As the men run forward with their containers, holy men are generally there to sanctify the food.

Great supply elevators roar up and down in the heart of the vast tower, tumbling out rations at all levels. Alcohol also was supplied in the early years. It was discontinued when it led to trouble; which is not to say that it is not secretly brewed inside the Environment. The UHDRE food ration has been generous from the start and has always been maintained at the same level per head of population although, as you know, the food is now ninety-five percent factory-made. Nobody would ever have starved, had it been shared out equally inside the tower. On some of the decks, some of the time, it is still shared out fairly.

One of Gita's sons, Jamsu, had seen the kidnapper Narayan making off to Top Deck with the struggling Malti. His eyes gleaming with excitement, he sidled his way into the queue where Gita stood and clasped his father's arm. Jamsu had something of his father in him, always lurked where numbers made him safe, rather than run off as his brothers and sisters had run off, to marry and struggle for a room or a space of their own.

He was telling his father what had happened when Shirin limped up and delivered her news.

Nodding grimly, Gita said, "Stay with us, Shirin, while I get the food."

He scooped his share into the family pail. Jamsu grabbed a handful of rice for himself.

"It was a dirty wizened man from Top Deck called Narayan Farhad," Jamsu said, gobbling. "He is one of the crooks who hangs about the shirt tails of..." He let his voice die.

"You did not go to Malti's rescue, shame on you!" Shirin said.

"Jamsu might have been killed," Gita said, as they pushed through the crowd and moved towards the family room.

"They're getting so strong on Top Deck," Jamsu said. "I hear all about it! We mustn't provoke them or they may attack. They say a regular army is forming round..."

Shirin snorted impatiently. "You great babe! Go ahead and name the man! It's Prahlad Patel whose very name you dare not mention, isn't it? Is he a god or something, for Siva's sake? You're afraid of him even from this distance, eh, aren't you?"

"Don't bully the lad," Gita said. Keeping the peace in his huge mixed family was a great responsibility, almost more than he could manage. As he turned into the family room, he said quietly to Jamsu and Shirin, "Malti was a favorite daughter of Shamim's, and now is gone from her. We will get our revenge against this Narayan Farhad. You and I will go this evening, Jamsu, to the holy man Vazifdar. He will even up matters for us, and then perhaps the great Patel will also be warned."

He looked thoughtfully down at his life-object. Tonight, he told himself, I must venture forth alone, and put my life in jeopardy for Shamim's sake.

Prahlad Patel's union has flourished and grown until now he rules all the Top Deck. His name is known and dreaded, we believe, three or four decks down. He is the strongest—yet in some ways curiously the most moderate—ruler in Total Environment at present.

Although he can be brutal, Patel seems inclined for peace. Of course, the bugging does not reveal everything; he may have plans which he keeps secret, since he is fully aware that the bugging exists. But we believe his interests lie in other directions than conquest. He is only about nineteen, as we reckon years, but already gray-haired, and the sight of him is said to freeze the muscles to silence in the lips of his followers. I have watched him over the bugging for many hours since I agreed to undertake this task.

Patel has one great advantage in Total Environment. He lives on the Tenth Deck, at the top of the building. He can therefore be invaded only from below and the Ninth Deck offers no strong threats at present, being mainly oriented round an influential body of holy men, of whom the most illustrious is one Vazifdar.

The staircases between decks are always trouble spots. No deck-ruler was ever strong enough to withstand attack from above and below. The staircases are also used by single troublemakers, thieves, political fugitives, prostitutes, escaping slaves, hostages. Guards can always be bribed, or favor their multitudinous relations, or join the enemy for one reason or another. Patel, being on the Top Deck, has only four weak points to watch for, rather than eight.

Vazifdar was amazingly holy and amazingly influential. It was whispered that his life-object was the most intricate in all Environment, but there was nobody who would lay claim to having set eyes upon it. Because of his reputation, many people on Gita's deck—yes, and from farther away—sought Vazifdar's help. A stream of men and women moved always through his room, even when he was locked in private meditation and far away from this world.

The holy man had a flat with a balcony that looked out onto mid-deck. Many relations and disciples lived there with him, so that the rooms had been elaborately and flimsily divided by screens. All day, the youngest disciples twittered like birds upon the balconies as Vazifdar held court, discussing among themselves the immense wisdom of his sayings.

All the disciples, all the relations, loved Vazifdar. There had been relations who did not love Vazifdar, but they had passed away in their sleep. Gita herself was a distant relation of Vazifdar's and came into the holy man's presence now with gifts of fresh water and a long piece of synthetic cloth, enough to make a robe.

Vazifdar's brow and cheeks were painted with white to denote his high caste. He received the gifts of cloth and water graciously, smiling at Gita in such a way that Gita—and, behind him, Jamsu—took heart.

Vazifdar was thirteen years old as the outside measured years. He was sleekly fat, from eating much and moving little. His brown body shone with oils; every morning, young women massaged and manipulated

him.

He spoke very softly, husbanding his voice, so that he could scarcely be heard for the noise in the room.

"It is a sorrow to me that this woe has befallen your stepchild Malti," he said. "She was a good woman, although infertile."

"She was raped at a very early age, disrupting her womb, dear Vazifdar. You will know of the event. Her parents feared she would die. She could never bear issue. The evil shadowed her life. Now this second woe befalls her."

"I perceive that Malti's role in the world was merely to be a companion to her mother. Not all can afford to purchase who visit the bazaar."

There are bazaars on every floor, crowding down the corridors and balconies, and a chief one on every deck. The menfolk choose such places to meet and chatter even when they have nothing to trade. Like everywhere else, the bazaars are crowded with humanity, down to the smallest who can walk—and sometimes even those carry naked smaller brothers clamped tight to their backs.

The bazaars are great centers for scandal. Here also are our largest screens. They glow behind their safety grills, beaming in special programs from outside; our outside world that must seem to have but faint reality as it dashes against the thick securing walls of Environment and percolates through to the screens. Below the screens, uncheckable and fecund life goes teeming on, with all its injury.

Humbly, Gita on his knees said, "If you could restore Malti to her mother Shamim, who mourns her, you would reap all our gratitude, dear Vazifdar. Malti is too old for a man's bed, and on Top Deck all sorts of humiliations must await her."

Vazifdar shook his head with great dignity. "You know I cannot restore Malti, my kinsman. How many deeds can be ever undone? As long as we have slavery, so long must we bear to have the ones we love enslaved. You must cultivate a mystical and resigned view of life and beseech Shamim always to do the same."

"Shamim is more mystical in her ways than I, never asking much, always working, working, praying, praying. That is why she deserves better than this misery."

Nodding in approval of Shamim's behavior as thus revealed, Vazifdar said, "That is well. I know she is a good woman. In the future lie other events which may recompense her for this sad event."

Jamsu, who had managed to keep quiet behind his father until now, suddenly burst out, "Uncle Vazifdar, can you not punish Narayan Farhad for his sin in stealing poor Malti on the steps? Is he to be allowed to escape to Patel's deck, there to live with Malti and enjoy?"

"Sssh, son!" Gita looked in agitation to see if Jamsu's outburst had annoyed Vazifdar; but Vazifdar was smiling blandly.

"You must know, Jamsu, that we are all creatures of the Lord Siva, and without power. No, no, do not pout! I also am without power in his hands. To own one room is not to possess the whole mansion. But..."

It was a long, and heavybut . When Vazifdar's thick eyelids closed over his eyes, Gita trembled, for he

recalled how, on previous occasions when he had visited his powerful kinsman, Vazifdar's eyelids had descended in this fashion while he deigned to think on a problem, as if he shut out all the external world with his own potent flesh.

"Narayan Farhad shall be troubled by more than his conscience." As he spoke, the pupils of his eyes appeared again, violet and black. They were looking beyond Gita, beyond the confines of his immediate surroundings. "Tonight he shall be troubled by evil dreams."

"The night-visions!" Gita and Jamsu exclaimed, in fear and excitement.

Now Vazifdar swiveled his magnificent head and looked directly at Gita, looked deep into his eyes. Gita was a small man; he saw himself as a small man within. He shrank still further under that irresistible scrutiny.

"Yes, the night-visions," the holy man said. "You know what that entails, Gita. You must go up to Top Deck and procure Narayan's life-object. Bring it back to me, and I promise Narayan shall suffer the night-visions tonight. Though he is sick, he shall be cured."

### III

The women never cease their chatter as the lines of supplicants come and go before the holy men. Their marvelous resignation in that hateful prison! If they ever complain about more than the small circumstances of their lives, if they ever complain about the monstrous evil that has overtaken them all, I never heard of it. There is always the harmless talk, talk that relieves petty nervous anxieties, talk that relieves the almost noticed pressures on the brain. The women's talk practically drowns the noise of their children. But most of the time it is clear that Total Environment consists mainly of children. That's why I want to see the experiment closed down; the children would adapt to our world.

It is mainly on this fourth generation that the effects of the population glut show. Whoever rules the decks, it is the babes, the endless babes, tottering, laughing, staring, piddling, tumbling, running, the endless babes to whom the Environment really belongs. And their mothers, for the most part, are women who—at the same age and in a more favored part of the globe—would still be virginally at school, many only just entering their teens.

Narayan Farhad wrapped a blanket round himself and huddled in his corner of the crowded room. Since it was almost time to sleep, he had to take up his hired space before one of the loathed Dasguptas stole it. Narayan hated the Dasgupta family, its lickspittle men, its shrill women, its turbulent children—the endless babes who crawled, the bigger ones with nervous diseases who thieved and ran and jeered at him. It was the vilest family on Top Deck, according to Narayan's oft-repeated claims; he tolerated it only because he felt himself to be vile.

He succeeded at nothing to which he turned his hand. Only an hour ago, pushing through the crowds, he had lost his life-object from his pocket—or else it had been stolen; but he dared not even consider that possibility!

Even his desultory kidnapping business was a failure. This bitch he had caught this morning—Malti. He had intended to rape her before selling her, but had become too nervous once he had dragged her in here, with a pair of young Dasguptas laughing at him. Nor had he sold the woman well. Patel had beaten



down his price, and Narayan had not the guts to argue. Maybe he should leave this deck and move down to one of the more chaotic ones. The middle decks were always more chaotic. Six was having a slow three-sided war even now, which should make Five a fruitful place, with hordes of refugees to batten on.

... And what a fool to snatch so old a girl—practically an old woman!

Through narrowed eyes, Narayan squatted in his corner, acid flavors burning his mouth. Even if his mind would rest and allow him to sleep, the Dasgupta mob was still too lively for any real relaxation. That old Dasgupta, now—he was like a rat, totally without self-restraint, not a proper Hindu at all, doing the act openly with his own daughters. There were many men like that in Total Environment, men who had nothing else in life. Dirty swine! Lucky dogs! Narayan's daughters had thrown him out many months ago when he tried it!

Over and over, his mind ran on his grievances. But he sat collectedly, prodding off with one bare foot the nasty little brats who crawled at him, and staring at the screen flickering on the wall behind its protective mesh.

He liked the screens, enjoyed viewing the madness of outside. What a world it was out there! All that heat, and the necessity for work, and the complication of life! The sheer bigness of the world—he couldn't stand that, would not want it under any circumstances.

He did not understand half he saw. After all, he was born here. His father might have been born outside, whoever his father was; but no legends from outside had come down to him: only the distortions in the general gossip, and the stuff on the screens. Now that he came to reflect, people didn't pay much attention to the screens any more. Even he didn't.

But he could not sleep. Blearily, he looked at images of cattle ploughing fields, fields cut into dice by the dirty grills before the screens. He had already gathered vaguely that this feature was about changes in the world today.

"... are giving way to this..." said the commentator above the rumpus in the Dasgupta room. The children lived here like birds. Racks were stacked against the walls, and on these rickety contraptions the many little Dasguptas roosted.

"... food factories automated against danger of infection..." Yak yak yak, then.

"Beef-tissue culture growing straight into plastic distribution packs..." Shots of some great interior place somewhere, with meat growing out of pipes, extruding itself into square packs, dripping with liquid, looking rather ugly. Was that the shape of cows now or something? Outside must be a hell of a scaring place, then! "... as new factory food at last spells hope for India's future in the..." Yak yak yak from the kids. Once, their sleep racks had been built across the screen; but one night the whole shaky edifice collapsed, and three children were injured. None killed, worse luck!

Patel should have paid more for that girl. Nothing was as good as it had been. Why, once on a time, they used to show sex films on the screens—really filthy stuff that got even Narayan excited. He was younger then. Really filthy stuff, he remembered, and pretty girls doing it. But it must be—oh, a long time since that was stopped. The screens were dull now. People gave up watching. Uneasily, Narayan slept, propped in the corner under his scruffy blanket. Eventually, the whole scruffy room slept.

The documentaries and other features piped into Environment are no longer specially made by UHDRE

teams for internal consumption. When the U.N. made a major cut in UHDRE's annual subsidy, eight years ago, the private TV studio was one of the frills that had to be axed. Now we pipe in old programs bought off major networks. The hope is that they will keep the wretched prisoners in Environment in touch with the outside world, but this is clearly not happening. The degree of comprehension between inside and outside grows markedly less on both sides, on an exponential curve. As I see it, a great gulf of isolation is widening between the two environments, just as if they were sailing away from each other into different space-time continua. I wish I could think that the people in charge here—Crawley especially—not only grasped this fact but understood that it should be rectified immediately.

Shamim could not sleep for grief.

Gita could not sleep for apprehension.

Jamsu could not sleep for excitement.

Vazifdar did not sleep.

Vazifdar shut his sacred self away in a cupboard, brought his lids down over his eyes and began to construct, within the vast spaces of his mind, a thought pattern corresponding to the matrix represented by Narayan Farhad's stolen life-object. When it was fully conceived, Vazifdar began gently to inset a little evil into one edge of the thought-pattern...

Narayan slept. What roused him was the silence. It was the first time total silence had ever come to Total Environment.

At first, he thought he would enjoy total silence. But it took on such weight and substance...

Clutching his blanket, he sat up. The room was empty, the screen dark. Neither thing had ever happened before, could not happen! And the silence! Dear Siva, some terrible monkey god had hammered that silence out in darkness and thrown it out like a shield into the world, rolling over all things! There was a ringing quality in the silence—a gong! No, no, not a gong! Footsteps!

It was footsteps, O Lord Siva, do not let it be footsteps!

Total Environment was empty. The legend was fulfilled that said Total Environment would empty one day. All had departed except for poor Narayan. And this thing of the footsteps was coming to visit him in his defenseless corner...

It was climbing up through the cellars of his existence. Soon it would emerge.

Trembling convulsively, Narayan stood up, clutching the corner of the blanket to his throat. He did not wish to face the thing. Wildly, he thought, could he bear it best if it looked like a man or if it looked nothing like a man? It was Death for sure—but how would it look? Only Death—his heart fluttered!—only Death could arrive this way...

His helplessness... Nowhere to hide! He opened his mouth, could not scream, clutched the blanket, felt that he was wetting himself as if he were a child again. Swiftly came the image—the infantile, round-bellied, cringing, puny, his mother black with fury, her great white teeth gritting as she smacked his face with all her might, spitting... It was gone, and he faced the gong—like death again, alone in the great dark tower. In the arid air, vibrations of its presence.

He was shouting to it, demanding that it did not come.

But it came. It came with majestic sloth, like the heartbeats of a foetid slumber, came in the door, pushing darkness before it. It was like a human, but too big to be human.

And it wore Malti's face, that sickeningly innocent smile with which she had run up the steps. No! No, that was not it—oh, he fell down onto the wet floor: it was nothing like that woman, nothing at all. Cease, impossibilities! It was a man, his ebony skull shining, terrible and magnificent, stretching out, grasping, confident. Narayan struck out of his extremity and fell forward. Death was another indelible smack in the face.

One of the roosting Dasguptas blubbered and moaned as the man kicked him, woke for a moment, saw the screen still flickering meaninglessly and reassuringly, saw Narayan tremble under his blanket, tumbled back into sleep.

It was not till morning that they found it had been Narayan's last tremble.

I know I am supposed to be a detached observer. No emotions, no feelings. But scientific detachment is the attitude that has led to much of the inhumanity inherent in Environment. How do we, for all the bugging devices, hope to know what ghastly secret nightmares they undergo in there? Anyhow, I am relieved to hear you are flying over.

It is tomorrow I am due to go into Environment myself.

#### IV

The central offices of UHDRE were large and repulsive. At the time when they and the Total Environment tower had been built, the Indian Government would not have stood for anything else. Poured cement and rough edges was what they wanted to see and what they got.

From a window in the office building, Thomas Dixit could see the indeterminate land in one direction, and the gigantic TE tower in the other, together with the shantytown that had grown between the foot of the tower and the other UHDRE buildings.

For a moment, he chose to ignore the Project Organizer behind him and gaze out at what he could see of the table-flat lands of the great Ganges delta.

He thought, It's as good a place as any for man to project his power fantasies. But you are a fool to get mixed up in all this, Thomas!

Even to himself, he was never just Tom.

I am being paid, well paid to do a specific job. Now I am letting wooly humanitarian ideas get in the way of action. Essentially, I am a very empty man. No center. Father Bengali, mother English, and live all my life in the States. I have excuses... Other people accept them; why can't I?

Sighing, he dwelt on his own unsatisfactoriness. He did not really belong to the West, despite his long

years there, and he certainly did not belong to India; in fact, he thought he rather disliked India. Maybe the best place for him was indeed the inside of the Environment tower.

He turned impatiently and said, "I'm ready to get going now, Peter."

Peter Crawley, the Special Project Organizer of UHDRE, was a rather austere Bostonian. He removed the horn-rimmed glasses from his nose and said, "Right! Although we have been through the drill many times, Thomas, I have to tell you this once again before we move. The entire—"

"Yes, yes, I know, Peter! You don't have to cover yourself. This entire organization might be closed down if I make a wrong move. Please take it as read."

Without indignation, Crawley said, "I was going to say that we are all rooting for you. We appreciate the risks you are taking. We shall be checking you everywhere you go in there through the bugging system."

"And whatever you see, you can't do a thing."

"Be fair; we have made arrangements to help!"

"I'm sorry, Peter." He liked Crawley and Crawley's decent reserve.

Crawley folded his spectacles with a snap, inserted them in a leather slipcase and stood up.

"The U.N., not to mention subsidiary organizations like the WHO and the Indian government, have their knife into us, Thomas. They want to close us down and empty Environment. They will do so unless you can provide evidence that forms of extra-sensory perception are developing inside the Environment. Don't get yourself killed in there. The previous men we sent in behaved foolishly and never came out again." He raised an eyebrow and added dryly, "That sort of thing gets us a bad name, you know."

"Just as the blue movies did a while ago."

Crawley put his hands behind his back. "My predecessor here decided that immoral movies piped into Environment would help boost the birth rate there. Whether he was right or wrong, world opinion has changed since then as the specter of world famine has faded. We stopped the movies eight years ago, but they have long memories at the U.N., I fear. They allow emotionalism to impede scientific research."

"Do you never feel any sympathy for the thousands of people doomed to live out their brief lives in the tower?"

They looked speculatively at each other.

"You aren't on our side any more, Thomas, are you? You'd like your findings to be negative, wouldn't you, and have the U.N. close us down?"

Dixit uttered a laugh. "I'm not on anyone's side, Peter. I'm neutral. I'm going into Environment to look for the evidence of ESP that only direct contact may turn up. What else direct contact will turn up, neither of us can say as yet."

"But you think it will be misery. And you will emphasize that at the inquiry after your return."

"Peter—let's get on with it, shall we?" Momentarily, Dixit was granted a clear picture of the two of them

standing in this room; he saw how their bodily attitudes contrasted. His attitudes were rather slovenly; he held himself rather slump-shouldered, he gesticulated to some extent (too much?); he was dressed in threadbare tunic and shorts, ready to pass muster as an inhabitant of Environment. Crawley, on the other hand, was very upright, stiff and smart in his movements, hardly ever gestured as he spoke; his dress was faultless.

And there was no need to be awed by or envious of Crawley. Crawley was encased in inhibition, afraid to feel, signaling his aridity to anyone who cared to look out from their own self-preoccupation. Crawley, moreover, feared for his job.

"Let's get on with it, as you say." He came from behind his desk. "But I'd be grateful if you would remember, Thomas, that the people in the tower are volunteers, or the descendants of volunteers.

"When UHDRE began, a quarter-century ago, back in the mid-nineteen-seventies, only volunteers were admitted to the Total Environment. Five hundred young married Indian couples were admitted, plus whatever children they had. The tower was a refuge then, free from famine, immune from all disease. They were glad, heartily glad, to get in, glad of all that Environment provided and still provides. Those who didn't qualify rioted. We have to remember that.

"India was a different place in 1975. It had lost hope. One crisis after another, one famine after another, crops dying, people starving, and yet the population spiraling up by a million every month.

"But today, thank God, that picture has largely changed. Synthetic foods have licked the problem; we don't need the grudging land any more. And at last the Hindus and Muslims have got the birth control idea into their heads. It's only now, when a little humanity is seeping back into this death-bowl of a subcontinent, that the UN dares complain about the inhumanity of UHDRE."

Dixit said nothing. He felt that this potted history was simply angled towards Crawley's self-justification; the ideas it represented were real enough, heaven knew, but they had meaning for Crawley only in terms of his own existence. Dixit felt pity and impatience as Crawley went on with his narration.

"Our aim here must be unswervingly the same as it was from the start. We have evidence that nervous disorders of a special kind produce extra-sensory perceptions—telepathy and the rest, and maybe kinds of ESP we do not yet recognize. High-density populations with reasonable nutritional standards develop particular nervous instabilities which may be akin to ESP spectra.

"The Ultra-High Density Research Establishment was set up to intensify the likelihood of ESP developing. Don't forget that. The people in Environment are supposed to have some ESP; that's the whole point of the operation, right? Sure, it is not humanitarian. We know that. But that is not your concern. You have to go in and find evidence of ESP, something that doesn't show over the bugging. Then UHDRE will be able to continue."

Dixit prepared to leave. "If it hasn't shown up in quarter of a century—"

"It's in there! I know it's in there! The failure's in the bugging system. I feel it coming through the screens at me—some mystery we need to get our hands on! If only I could prove it! If only I could get in there myself!"

Interesting, Dixit thought. You'd have to be some sort of a voyeur to hold Crawley's job, forever spying on the wretched people.

"Too bad you have a white skin, eh?" he said lightly. He walked towards the door. It swung open, and he passed into the corridor.

Crawley ran after him and thrust out a hand. "I know how you feel, Thomas. I'm not just a stuffed shirt, you know, not entirely void of sympathy. Sorry if I was needling you. I didn't intend to do so."

Dixit dropped his gaze. "I should be the one to apologize, Peter. If there's anything unusual going on in the tower, I'll find it, never worry!"

They shook hands, without wholly being able to meet each other's eyes.

## V

Leaving the office block, Dixit walked alone through the sunshine toward the looming tower that housed Total Environment. The concrete walk was hot and dusty underfoot. The sun was the one good thing that India had, he thought: that burning beautiful sun, the real ruler of India, whatever petty tyrants came and went.

The sun blazed down on the tower; only inside did it not shine.

The uncompromising outlines of the tower were blurred by pipes, ducts and shafts that ran up and down its exterior. It was a building built for looking into, not out of. Some time ago, in the bad years, the welter of visual records gleaned from Environment used to be edited and beamed out on global networks every evening; but all that had been stopped as conditions inside Environment deteriorated, and public opinion in the democracies, who were subsidizing the grandiose experiment, turned against the exploitation of human material.

A monitoring station stood by the tower walls. From here, a constant survey on the interior was kept. Facing the station where the jumbles of merchants' stalls, springing up to cater for tourists, who persisted even now that the tourist trade was discouraged. Two security guards stepped forward and escorted Dixit to the base of the tower. With ceremony, he entered the shade of the entry elevator. As he closed the door, germicides sprayed him, insuring that he entered Environment without harboring dangerous micro-organisms.

The elevator carried him up to the top deck; this plan had been settled some while ago. The elevator was equipped with double steel doors. As it came to rest, a circuit opened, and a screen showed him what was happening on the other side of the doors. He emerged from a dummy air-conditioning unit, behind a wide pillar. He was in Patel's domain.

The awful weight of human overcrowding hit Dixit with its full stink and noise. He sat down at the base of the pillar and let his senses adjust. And he thought, I was the wrong one to send; I've always had this inner core of pity for the sufferings of humanity; I could never be impartial; I've got to see that this terrible experiment is stopped.

He was at one end of a long balcony onto which many doors opened; a ramp led down at the other end. All the doorways gaped, although some were covered by rugs. Most of the doors had been taken off their hinges to serve as partitions along the balcony itself, partitioning off overspill families. Children ran everywhere, their tinkling voices and cries the dominant note in the hubbub. Glancing over the balcony,

Dixit took in a dreadful scene of swarming multitudes, the anonymity of congestion; to sorrow for humanity was not to love its prodigality. Dixit had seen this panorama many times over the bugging system; he knew all the staggering figures—1500 people in here to begin with, and by now some 75,000 people, a large proportion of them under four years of age. But pictures and figures were pale abstracts beside the reality they were intended to represent.

The kids drove him into action at last by playfully hurling dirt at him. Dixit moved slowly along, carrying himself tight and cringing in the manner of the crowd about him, features rigid, elbows tucked in to the ribs. *Mutatis mutandis*, it was Crawley's inhibited attitude. Even the children ran between the legs of their elders in that guarded way. As soon as he had left the shelter of his pillar, he was caught in a stream of chattering people, all jostling between the rooms and the stalls of the balcony. They moved very slowly.

Among the crowd were hawkers, and salesmen pressed their wares from the pitiful balcony hovels. Dixit tried to conceal his curiosity. Over the bugging he had had only distant views of the merchandise offered for sale. Here were the strange models that had caught his attention when he was first appointed to the UHDRE project. A man with orange goateyes, in fact probably no more than thirteen years of age, but here a hardened veteran, was at Dixit's elbow. As Dixit stared at him, momentarily suspicious he was being watched, the goat-eyed man merged into the crowd; and, to hide his face, Dixit turned to the nearest salesman.

In only a moment, he was eagerly examining the wares, forgetting how vulnerable was his situation.

All the strange models were extremely small. This Dixit attributed to shortage of materials—wrongly, as it later transpired. The biggest model the salesman possessed stood no more than two inches high. It was made, nevertheless, of a diversity of materials, in which many sorts of plastics featured. Some models were simple, and appeared to be a little more than elaboratetughra or monogram, which might have been intended for an elaborate piece of costume jewelry; others, as one peered among their interstices, seemed to afford a glimpse of another dimension; all possessed eye-teasing properties.

The merchant was pressing Dixit to buy. He referred to the elaborate models as "life-objects." Noticing that one in particular attracted his potential customer, he lifted it delicately and held it up, a miracle of craftsmanship, perplexing, *outré*, giving Dixit somehow as much pain as pleasure. He named the price.

Although Dixit was primed with money, he automatically shook his head. "Too expensive."

"See, master, I show you how this life-object works!" The man fished beneath his scrap of loincloth and produced a small perforated silver box. Flipping it open, he produced a live wood-louse and slipped it under a hinged part of the model. The insect, in its struggles, activated a tiny wheel; the interior of the model began to rotate, some sets of minute planes turning in counterpoint to others.

"This life-object belonged to a very religious man, master."

In his fascination, Dixit said, "Are they all powered?"

"No, master, only special ones. This was perfect model from Dalcush Bancholi, last generation master all the way from Third Deck, very very fine and masterful workmanship of first quality. I have also still better one worked by a body louse, if you care to see."

By reflex, Dixit said, "Your prices are too high."

He absolved himself from the argument that brewed, slipping away through the crowd with the merchant

calling after him. Other merchants shouted to him, sensing his interest in their wares. He saw some beautiful work, all on the tiniest scale and not only life-objects but amazing little watches with millisecond hands as well as second hands; in some cases, the millisecond was the largest hand; in some, the hour hand was missing or was supplemented by a day hand; and the watches took many extraordinary shapes, tetrakisshexahedrons and other elaborate forms, until their format merged with that of the life-objects.

Dixit thought approvingly: the clock and watch industry fulfills a human need for exercising elaborate skill and accuracy, while at the same time requiring a minimum of materials. These people of Total Environment are the world's greatest craftsmen. Bent over one curious watch that involved a color change, he became suddenly aware of danger. Glancing over his shoulder, he saw the man with the unpleasant orange eyes about to strike him. Dixit dodged without being able to avoid the blow. As it caught him on the side of his neck, he stumbled and fell under the milling feet.

## VI

Afterwards, Dixit could hardly say that he had been totally unconscious. He was aware of hands dragging him, of being partly carried, of the sound of many voices, of the name "Patel" repeated... And when he came fully to his senses, he was lying in a cramped room, with a guard in a scruffy turban standing by the door. His first hazy thought was that the room was no more than a small ship's cabin; then he realized that, by indigenous standards, this was a large room for only one person.

He was a prisoner in Total Environment.

A kind of self-mocking fear entered him; he had almost expected the blow, he realized; and he looked eagerly about for the bug-eye that would reassure him his UHDRE friends outside were aware of his predicament. There was no sign of the bug-eye. He was not long in working out why; this room had been partitioned out of a larger one, and the bugging system was evidently shut in the other half— whether deliberately or accidentally, he had no way of knowing.

The guard had bobbed out of sight. Sounds of whispering came from beyond the doorway. Dixit felt the pressure of many people there. Then a woman came in and closed the door. She walked cringingly and carried a brass cup of water.

Although her face was lined, it was possible to see that she had once been beautiful and perhaps proud. Now her whole attitude expressed the defeat of her life. And this woman might be no more than eighteen! One of the terrifying features of Environment was the way, right from the start, confinement had speeded life-processes and abridged life.

Involuntarily, Dixit flinched away from the woman.

She almost smiled. "Do not fear me, sir. I am almost as much a prisoner as you are. Equally, do not think that by knocking me down you can escape. I promise you, there are fifty people outside the door, all eager to impress Prahlad Patel by catching you, should you try to get away."

So I'm in Patel's clutches, he thought. Aloud he said, "I will offer you no harm. I want to see Patel. If you are captive, tell me your name, and perhaps I can help you."

As she offered him the cup and he drank, she said, shyly, "I do not complain, for my fate might have



been much worse than it is. Please do not agitate Patel about me, or he may throw me out of his household. My name is Malti."

"Perhaps I may be able to help you, and all your tribe, soon. You are all in a form of captivity here, the great Patel included, and it is from that I hope to deliver you."

Then he saw fear in her eyes.

"You really are a spy from outside!" she breathed. "But we do not want our poor little world invaded! You have so much—leave us our little!" She shrank away and slipped through the door, leaving Dixit with a melancholy impression of her eyes, so burdened in their shrunken gaze.

The babel continued outside the door. Although he still felt sick, he propped himself up and let his thoughts run on. "You have so much—leave us our little..." All their values had been perverted. Poor things, they could know neither the smallness of their own world nor the magnitude of the world outside. This—this dungheap had become to them all there was of beauty and value.

Two guards came for him, mere boys. He could have knocked their heads together, but compassion moved him. They led him through a room full of excited people; beyond their glaring faces, the screen flickered pallidly behind its mesh; Dixit saw how faint the image of outside was.

He was taken into another partitioned room. Two men were talking.

The scene struck Dixit with peculiar force, and not merely because he was at a disadvantage.

It was an alien scene. The impoverishment of even the richest furnishings, the clipped and bastardized variety of Hindi that was being talked, reinforced the impression of strangeness. And the charge of Patels' character filled the room.

There could be no doubt who was Patel. The plump cringing fellow, wringing his hands and protesting, was not Patel. Patel was the stocky white-haired man with the heavy lower lip and high forehead. Dixit had seen him in this very room over the bugging system. But to stand captive awaiting his attention was an experience of an entirely different order. Dixit tried to analyze the first fresh impact Patel had on him, but it was elusive.

It was difficult to realize that, as the outside measured years, Patel could not be much more than nineteen or twenty years of age. Time was impacted here, jellified under the psychic pressures of Total Environment. Like the hieroglyphics of that new relativity, detailed plans of the Environment hung large on one wall of this room, while figures and names were chalked over the others. The room was the nerve center of Top Deck.

He knew something about Patel from the UHDRE records. Patel had come up here from the Seventh Deck. By guile as well as force, he had become ruler of Top Deck at an early age. He had surprised UHDRE observers by abstaining from the usual forays of conquest into other floors.

Patel was saying to the cringing man, "Be silent! You try to obscure the truth with argument. You have heard the witnesses against you. During your period of watch on the stairs, you were bribed by a man from Ninth Deck and you let him through here."

"Only for a mere seventeen minutes, Sir Patel!"

"I am aware that such things happen every day, wretched Raital. But this fellow you let through stole the life-object belonging to Narayan Farhad and, in consequence, Narayan Farhad died in his sleep last night. Narayan was no more important than you are, but he was useful to me, and it is in order that he be revenged."

"Anything that you say, Sir Patel!"

"Be silent, wretched Raital!" Patel watched Raital with interest as he spoke. And he spoke in a firm reflective voice that impressed Dixit more than shouting would have done.

"You shall revenge Narayan, Raital, because you caused his death. You will leave here now. You will not be punished. You will go, and you will steal the life-object belonging to that fellow from whom you accepted the bribe. You will bring that life-object to me. You have one day to do so. Otherwise, my assassins will find you wherever you hide, be it even down on Deck One."

"Oh, yes, indeed, Sir Patel, all men know—" Raital was bent almost double as he uttered some face-saving formula. He turned and scurried away as Patel dismissed him.

Strength, thought Dixit. Strength, and also cunning. That is what Patel radiates. An elaborate and cutting subtlety. The phrase pleased him, seeming to represent something actual that he had detected in Patel's makeup. An elaborate and cutting subtlety.

Clearly, it was part of Patel's design that Dixit should witness this demonstration of his methods.

Patel turned away, folded his arms, and contemplated a blank piece of wall at close range. He stood motionless. The guards held Dixit still, but not so still as Patel held himself.

This tableau was maintained for several minutes. Dixit found himself losing track of the normal passage of time. Patel's habit of turning to stare at the wall—and it did not belong to Patel alone—was an uncanny one that Dixit had watched several times over the bugging system. It was that habit, he thought, which might have given Crawley the notion that ESP was rampant in the tower.

It was curious to think of Crawley here. Although Crawley might at this moment be surveying Dixit's face on a monitor, Crawley was now no more than an hypothesis.

Malti broke the tableau. She entered the room with a damp cloth on a tray, to stand waiting patiently for Patel to notice her. He broke away at last from his motionless survey of the wall, gesturing abruptly to the guards to leave. He took no notice of Dixit, sitting in a chair, letting Malti drape the damp cloth round his neck; the cloth had a fragrant smell to it.

"The towel is not cool enough, Malti, or damp enough. You will attend me properly at my morning session, or you will lose this easy job."

He swung his gaze, which was suddenly black and searching, onto Dixit to say, "Well, spy, you know I am Lord here. Do you wonder why I tolerate old women like this about me when I could have girls young and lovely to fawn on me?"

Dixit said nothing, and the self-styled Lord continued, "Young girls would merely remind me by contrast of my advanced years. But this old bag—whom I bought only yesterday—this old bag is only just my junior and makes me look good in contrast. You see, we are masters of philosophy in here, in this prison-universe; we cannot be masters of material wealth like you people outside!"

Again Dixit said nothing, disgusted by the man's implied attitude to women.

A swinging blow caught him unprepared in the stomach. He cried and dropped suddenly to the floor.

"Get up, spy!" Patel said. He had moved extraordinarily fast. He sat back again in his chair, letting Malti massage his neck muscles.

## VII

As Dixit staggered to his feet, Patel said, "You don't deny you are from outside?"

"I did not attempt to deny it. I came from outside to speak to you."

"You say nothing here until you are ordered to speak. Your people—you outsiders—you have sent in several spies to us in the last few months. Why?"

Still feeling sick from the blow, Dixit said, "You should realize that we are your friends rather than your enemies, and our men emissaries rather than spies."

"Pah! You are a breed of spies! Don't you sit and spy on us from every room? You live in a funny little dull world out there, don't you? So interested in us that you can think of nothing else! Keep working, Malti! Little spy, you know what happened to all the other spies your spying people sent in?"

"They died," Dixit said.

"Exactly. They died. But you are the first to be sent to Patel's deck. What different thing to death do you expect here?"

"Another death will make my superiors very tired, Patel. You may have the power of life and death over me; they have the same over you, and over all in this world of yours. Do you want a demonstration?"

Rising, flinging the towel off, Patel said, "Give me your demonstration!"

Must do, Dixit thought. Staring in Patel's eyes, he raised his right hand above his head and gestured with his thumb. Pray they are watching—and thank God this bit of partitioned room is the bit with the bugging system!

Tensely, Patel stared, balanced on his toes. Behind his shoulder, Malti also stared. Nothing happened.

Then a sort of shudder ran through Environment. It became slowly audible as a mixture of groan and cry. Its cause became apparent in this less crowded room when the air began to grow hot and foul. So Dixit's signal had got through; Crawley had him under survey, and the air-conditioning plant was pumping in hot carbon-dioxide through the respiratory system.

"You see? We control the very air you breathe!" Dixit said. He dropped his arm, and slowly the air returned to normal, although it was at least an hour before the fright died down in the passages.

Whatever the demonstration had done to Patel, he showed nothing. Instead, he said, "You control the air. Very well. But you do not control the will to turn it off permanently—and so you do not control the air. Your threat is an empty one, spy! For some reason, you need us to live. We have a mystery, don't we?"

"There is no reason why I should be anything but honest with you, Patel. Your special environment must have bred special talents in you. We are interested in those talents; but no more than interested."

Patel came closer and inspected Dixit's face minutely, rather as he had recently inspected the blank wall. Strange angers churned inside him; his neck and throat turned a dark mottled color. Finally he spoke.

"We are the center of your outside world, aren't we? We know that you watch us all the time. We know that you are much more than 'interested'! For you, we here are somehow a matter of life and death, aren't we?"

This was more than Dixit had expected.

"Four generations, Patel, four generations have been incarcerated in Environment." His voice trembled. "Four generations, and, despite our best intentions, you are losing touch with reality. You live in one relatively small building on a sizeable planet. Clearly, you can only be of limited interest to the world at large."

"Malti!" Patel turned to the slave girl. "Which is the greater, the outer world or ours?"

She looked confused, hesitated by the door as if longing to escape. "The outside world was great, master, but then it gave birth to us, and we have grown and are growing and are gaining strength. The child now is almost the size of the father. So my stepfather's son Jamsu says, and he is a clever one."

Patel turned to stare at Dixit, a haughty expression on his face. He made no comment, as if the words of an ignorant girl were sufficient to prove his point.

"All that you and the girl say only emphasizes to me how much you need help, Patel. The world outside is a great and thriving place; you must allow it to give you assistance through me. We are not your enemies."

Again the choleric anger was there, powering Patel's every word.

"What else are you, spy? Your life is so vile and pointless out there, is it not? You envy us because we are superseding you! Our people—we may be poor, you may think of us as in your power, but we rule our own universe. And that universe is expanding and falling under our control more every day. Why, our explorers have gone into the world of the ultrasmall. We discover new environments, new ways of living. By your terms, we are scientific peasants, perhaps, but I fancy we have ways of knowing the trade routes of the blood and the eternities of cell-change that you cannot comprehend. You think of us all as captives, eh? Yet you are captive to the necessity of supplying our air and our food and water; we are free. We are poor, yet you covet our riches. We are spied on all the time, yet we are secret. You need to understand us, yet we have no need to understand you. You are in our power, spy!"

"Certainly not in one vital respect, Patel. Both you and we are ruled by historical necessity. This Environment was set up twenty-five of our years ago. Changes have taken place not only in here but outside as well. The nations of the world are no longer prepared to finance this project. It is going to be closed down entirely, and you are going to have to live outside. Or, if you don't want that, you'd better

cooperate with us and persuade the leaders of the other decks to cooperate."

Would threats work with Patel? His hooded and oblique gaze bit into Dixit like a hook.

After a deadly pause, he clapped his hands once. Two guards immediately appeared.

"Take the spy away," said Patel. Then he turned his back.

A clever man, Dixit thought. He sat alone in the cell and meditated.

It seemed as if a battle of wits might develop between him and Patel. Well, he was prepared. He trusted to his first impression, that Patel was a man of cutting subtlety. He could not be taken to mean all that he said.

Dixit's mind worked back over their conversation. The mystery of the life-objects had been dangled before him. And Patel had taken care to belittle the outside world: "funny dull little world," he had called it. He had made Malti advance her primitive view that Environment was growing, and that had fitted in very well with his brand of boasting. Which led to the deduction that he had known her views beforehand; yet he had bought her only yesterday. Why should a busy man, a leader, bother to question an ignorant slave about her views of the outside world unless he were starved for information of that world, obsessed with it.

Yes, Dixit nodded to himself. Patel was obsessed with outside and tried to hide that obsession; but several small contradictions in his talk had revealed it.

Of course, it might be that Malti was so generally representative of the thousands in Environment that her misinformed ideas could be taken for granted. It was as well, as yet, not to be too certain that he was beginning to understand Patel.

Part of Patel's speech made sense even superficially. These poor devils were exploring the world of the ultra-small. It was the only landscape left for them to map. They were human, and still burning inside them was that unquenchable human urge to open frontiers.

So they knew some inward things. Quite possibly, as Crawley anticipated, they possessed a system of ESP upon which some reliance might be placed, unlike the wildly fluctuating telepathic radiations which circulated in the outside world.

He felt confident, fully engaged. There was much to understand here. The bugging system, elaborate and over-used, was shown to be a complete failure; the watchers had stayed external to their problem; it remained their problem, not their life. What was needed was a whole team to come and live here, perhaps a team on every deck, anthropologists and so on. Since that was impossible, then clearly the people of Environment must be released from their captivity; those that were unwilling to go far afield should be settled in new villages on the Ganges plain, under the wide sky. And there, as they adapted to the real world, observers could live among them, learning with humility of the gifts that had been acquired at such cost within the thick walls of the Total Environment tower.

As Dixit sat in meditation, a guard brought a meal in to him.

He ate thankfully and renewed his thinking.

From the little he had already experienced—the ghastly pressures on living space, the slavery, the

aberrant modes of thought into which the people were being forced, the harshness of the petty rulers—he was confirmed in his view that this experiment in anything like its present form must be closed down at once. The U.N. needed the excuse of his adverse report before they moved; they should have it when he got out. And if he worded the report carefully, stressing that these people had many talents to offer, then he might also satisfy Crawley and his like. He had it in his power to satisfy all parties, when he got out. All he had to do was get out.

The guard came back to collect his empty bowl.

"When is Patel going to speak with me again?"

The guard said, "When he sends for you to have you silenced for ever."

Dixit stopped composing his report and thought about that instead.

## VIII

Much time elapsed before Dixit was visited again, and then it was only the self-effacing Malti who appeared, bringing him a cup of water.

"I want to talk to you," Dixit said urgently.

"No, no, I cannot talk! He will beat me. It is the time when we sleep, when the old die. You should sleep now, and Patel will see you in the morning."

He tried to touch her hand, but she withdrew.

"You are a kind girl, Malti. You suffer in Patel's household."

"He has many women, many servants. I am not alone."

"Can you not escape back to your family?"

She looked at the floor evasively. "It would bring trouble to my family. Slavery is the lot of many women. It is the way of the world."

"It is not the way of the world I come from!"

Her eyes flashed. "Your world is of no interest to us!"

Dixit thought after she had gone, She is afraid of our world. Rightly.

He slept little during the night. Even barricaded inside Patel's fortress, he could still hear the noises of Environment: not only the voices, almost never silent, but the gurgle and sob of pipes in the walls. In the morning, he was taken into a larger room where Patel was issuing commands for the day to a succession of subordinates.

Confined to a corner, Dixit followed everything with interest. His interest grew when the unfortunate

guard Raital appeared. He bounded in and waited for Patel to strike him. Instead, Patel kicked him.

"You have performed as I ordered yesterday?"

Raital began at once to cry and wring his hands. "Sir Patel, I have performed as well as and better than you demanded, incurring great suffering and having myself beaten downstairs where the people of Ninth Deck discovered me marauding. You must invade them, Sir, and teach them a lesson that in their insolence they so dare to mock your faithful guards who only do those things—"

"Silence, you dog-devourer! Do you bring back that item which I demanded of you yesterday?"

The wretched guard brought from the pocket of his tattered tunic a small object, which he held out to Patel.

"Of course I obey, Sir Patel. To keep this object safe when the people caught me, I swallow it whole, sir, into the stomach for safe keeping, so that they would not know what I am about. Then my wife gives me sharp medicine so that I vomit it safely again to deliver to you."

"Put the filthy thing down on that shelf there! You think I wish to touch it when it has been in your worm-infested belly, slave?"

The guard did as he was bid and abased himself.

"You are sure it is the life-object of the man who stole Narayan Farhad's life-object, and nobody else's?"

"Oh, indeed, Sir Patel! It belongs to a man called Gita, the very very same who stole Narayan's life object, and tonight you will see he will die of night-visions!"

"Get out!" Patel managed to catch Raital's buttocks with a swift kick as the guard scampered from the room.

A queue of people stood waiting to speak with him, to supplicate and advise. Patel sat and interviewed them, in the main showing a better humor than he had shown his luckless guard. For Dixit, this scene had a curious interest; he had watched Patel's morning audience more than once, standing by Crawley's side in the UHDRE monitoring station; now he was a prisoner waiting uncomfortably in the corner of the room, and the whole atmosphere was changed. He felt the extraordinary intensity of these people's lives, the emotions compressed, everything vivid. Patel himself wept several times as some tale of hardship was unfolded to him. There was no privacy. Everyone stood round him, listening to everything. Short the lives might be; but those annihilating spaces that stretch through ordinary lives, the spaces through which one glimpses uncomfortable glooms and larger poverties, if not presences more sour and sinister, seemed here to have been eradicated. The Total Environment had brought its peoples total involvement. Whatever befell them, they were united, as were bees in a hive.

Finally, a break was called. The unfortunates who had not gained Patel's ear were turned away; Malti was summoned and administered the damp-towel treatment to Patel. Later, he sent her off and ate a frugal meal. Only when he had finished it and sat momentarily in meditation, did he turn his brooding attention to Dixit.

He indicated that Dixit was to fetch down the object Raital had placed on a shelf. Dixit did so and put the object before Patel. Staring at it with interest, he saw it was an elaborate little model, similar to the

ones for sale on the balcony.

"Observe it well," Patel said. "It is the life-object of a man. You have these"—he gestured vaguely—"outside?"

"No."

"You know what they are?"

"No."

"In this world of ours, Mr. Dixit, we have many holy men. I have a holy man here under my protection. On the deck below is one very famous holy man, Vazifdariji. These men have many powers. Tonight, I shall give my holy man this life-object, and with it he will be able to enter the being of the man to whom it belongs, for good or ill, and in this case for ill, to revenge a death with a death."

Dixit stared at the little object, a three-dimensional maze constructed of silver and plastic strands, trying to comprehend what Patel was saying.

"This is a sort of key to its owner's mind?"

"No, no, not a key, and not to his mind. It is a—well, we do not have a scientific word for it, and our word would mean nothing to you, so I cannot say what. It is, let us say, a replica, a substitute for the man's being. Not his mind, his being. In this case, a man called Gita. You are very interested, aren't you?"

"Everyone here has one of these?"

"Down to the very poorest and even the older children. A sage works in conjunction with a smith to produce each individual life-object."

"But they can be stolen and then an ill-intentioned holy man can use them to kill the owner. So why make them? I don't understand."

Smiling, Patel made a small movement of impatience. "What you discover of yourself, you record. That is how these things are made. They are not trinkets; they are a man's record of his discovery of himself."

Dixit shook his head. "If they are so personal, why are so many sold by street traders as trinkets?"

"Men die. Then their life-objects have no value, except as trinkets. They are also popularly believed to bestow... well, personality-value. There also exist large numbers of forgeries, which people buy because they like to have them, simply as decorations."

After a moment, Dixit said, "So they are innocent things, but you take them and use them for evil ends."

"I use them to keep a power balance. A man of mine called Narayan was silenced by Gita of Ninth Deck. Never mind why. So tonight I silence Gita to keep the balance."

He stopped and looked closely at Dixit, so that the latter received a blast of that enigmatic personality. He opened his hand and said, still observing Dixit, "Death sits in my palm, Mr. Dixit. Tonight I shall have you silenced also, by what you may consider more ordinary methods."



Clenching his hands tightly together, Dixit said, "You tell me about the life-objects, and yet you claim you are going to kill me."

Patel pointed up to one corner of his room. "There are eyes and ears there, while your ever-hungry spying friends suck up the facts of this world. You see, I can tell them—I can tell them so much and they can never comprehend our life. All the important things can never be said, so they can never learn. But they can see you die tonight, and that they will comprehend. Perhaps then they will cease to send spies in here."

He clapped his hands once for the guards. They came forward and led Dixit away. As he went back to his cell, he heard Patel shouting for Malti.

## IX

The hours passed in steady gloom. The U.N., the UHDRE, would not rescue him; the Environment charter permitted intervention by only one outsider at a time. Dixit could hear, feel, the vast throbbing life of the place going on about him and was shaken by it.

He tried to think about the life-objects. Presumably Crawley had overheard the last conversation, and would know that the holy men, as Patel called them, had the power to kill at a distance. There was the ESP evidence Crawley sought: telecide, or whatever you called it. And the knowledge helped nobody, as Patel himself observed. It had long been known that African witch doctors possessed similar talents, to lay a spell on a man and kill him at a distance; but how they did it had never been established; nor, indeed, had the fact ever been properly assimilated by the West, eager though the West was for new methods of killing. There were things one civilization could not learn from another; the whole business of life-objects, Dixit perceived, was going to be such a matter: endlessly fascinating, entirely insoluble...

He thought, returning to his cell, and told himself: Patel still puzzles me. But it is no use hanging about here being puzzled. Here I sit, waiting for a knife in the guts. It must be night now. I've got to get out of here.

There was no way out of the room. He paced restlessly up and down. They brought him no meal, which was ominous.

A long while later, the door was unlocked and opened.

It was Malti. She lifted one finger as a caution to silence, and closed the door behind her.

"It's time for me...?" Dixit asked.

She came quickly over to him, not touching him, staring at him.

Though she was an ugly despondent woman, beauty lay in her time-haunted eyes.

"I can help you escape, Dixit. Patel sleeps now, and I have an understanding with the guards here. Understandings have been reached to smuggle you down to my own deck, where perhaps you can get back to the outside where you belong. This place is full of arrangements. But you must be quick. Are you ready?"

"He'll kill you when he finds out!"

She shrugged. "He may not. I think perhaps he likes me. Prahlad Patel is not inhuman, whatever you think of him."

"No? But he plans to murder someone else tonight. He has acquired some poor fellow's life-object and plans to have his holy man kill him with night-visions, whatever they are."

She said, "People have to die. You are going to be lucky. You will not die, not this night."

"If you take that fatalistic view, why help me?"

He saw a flash of defiance in her eyes. "Because you must take a message outside for me."

"Outside? To whom?"

"To everyone there, everyone who greedily spies on us here and would spoil this world. Tell them to go away and leave us and let us make our own world. Forget us! That is my message! Take it! Deliver it with all the strength you have! This is our world—not yours!"

Her vehemence, her ignorance, silenced him. She led him from the room. There were guards on the outer door. They stood rigid with their eyes closed, seeing no evil, and she slid between them, leading Dixit, and opening the door. They hurried outside, onto the balcony, which was still as crowded as ever, people sprawling everywhere in the disconsolate gestures of public sleep. With the noise and chaos and animation of daytime fled, Total Environment stood fully revealed for the echoing prison it was.

As Malti turned to go, Dixit grasped her wrist.

"I must return," she said. "Get quickly to the steps down to Ninth Deck, the near steps. That's three flights to go down, the inter-deck flight guarded. They will let you through; they expect you."

"Malti, I must try to help this other man who is to die. Do you happen to know someone called Gita?"

She gasped and clung to him. "Gita?"

"Gita of the Ninth Deck. Patel has Gita's life-object, and he is to die tonight."

"Gita is my stepfather, my mother's third husband. A good man! Oh, he must not die, for my mother's sake!"

"He's to die tonight. Malti, I can help you and Gita. I appreciate how you feel about outside, but you are mistaken. You would be free in a way you cannot understand! Take me to Gita, and we'll all three get out together."

Conflicting emotions chased all over her face. "You are sure Gita is to die?"

"Come and check with him to see if his life-object has gone!"

Without waiting for her to make a decision—in fact she looked as if she were just about to bolt back into Patel's quarters—Dixit took hold of her and forced her along the balcony, picking his way through

the piles of sleepers.

Ramps ran down from balcony to balcony in long zigzags. For all its multitudes of people—even the ramps had been taken up as dosses by whole swarms of urchins—Total Environment seemed much larger than it had when one looked in from the monitoring room. He kept peering back to see if they were being followed; it seemed to him unlikely that he would be able to get away.

But they had now reached the stairs leading down to Deck Nine. Oh, well, he thought, corruption he could believe in; it was the universal oriental system whereby the small man contrived to live under oppression. As soon as the guards saw him and Malti, they all stood and closed their eyes. Among them was the wretched Raital, who hurriedly clapped palms over eyes as they approached.

"I must go back to Patel," Malti gasped.

"Why? You know he will kill you," Dixit said. He kept tight hold of her thin wrist. "All these witnesses to the way you led me to safety—you can't believe he will not discover what you are doing. Let's get to Gita quickly."

He hustled her down the stairs. There were Deck Nine guards at the bottom. They smiled and saluted Malti and let her by. As if resigned now to doing what Dixit wished, she led him forward, and they picked their way down a ramp to a lower floor. The squalor and confusion were greater here than they had been above, the slumbers more broken. This was a deck without a strong leader, and it showed.

He must have seen just such a picture as this over the bugging, in the air-conditioned comfort of the UHDRE offices, and remained comparatively unmoved. You had to be among it to feel it. Then you caught also the aroma of Environment. It was pungent in the extreme.

As they moved slowly down among the huddled figures abased by fatigue, he saw that a corpse burned slowly on a wood pile. It was the corpse of a child. Smoke rose from it in a leisurely coil until it was sucked into a wall vent. A mother squatted by the body, her face shielded by one skeletal hand. "It is the time when the old die," Malti had said of the previous night; and the young had to answer that same call.

This was the Indian way of facing the inhumanity of Environment: with their age-old acceptance of suffering. Had one of the white races been shut in here to breed to intolerable numbers, they would have met the situation with a general massacre. Dixit, a half-caste, would not permit himself to judge which response he most respected.

Malti kept her gaze fixed on the worn concrete underfoot as they moved down the ramp past the corpse. At the bottom, she led him forward again without a word.

They pushed through the sleazy ways, arriving at last at a battered doorway. With a glance at Dixit, Malti slipped in and rejoined her family. Her mother, not sleeping, crouched over a wash bowl, gave a cry and fell into Malti's arms. Brothers and sisters and half-brothers and half-sisters and cousins and nephews woke up, squealing. Dixit was utterly brushed aside. He stood nervously, waiting, hoping, in the corridor.

It was many minutes before Malti came out and led him to the crowded little cabin. She introduced him to Shamim, her mother, who curtsied and rapidly disappeared, and to her stepfather, Gita.

The little wiry man shooed everyone out of one corner of the room and moved Dixit into it. A cup of wine was produced and offered politely to the visitor. As he sipped it, he said, "If your stepdaughter has

explained the situation, Gita, I'd like to get you and Malti out of here, because otherwise your lives are worth very little. I can guarantee you will be extremely kindly treated outside."

With dignity, Gita said, "Sir, all this very unpleasant business has been explained to me by my stepdaughter. You are most good to take this trouble, but we cannot help you."

"You, or rather Malti, have helped me. Now it is my turn to help you. I want to take you out of here to a safe place. You realize you are both under the threat of death? You hardly need telling that Prahlad Patel is a ruthless man."

"He is very very ruthless, sir," Gita said unhappily. "But we cannot leave here. I cannot leave here—look at all these little people who are dependent on me! Who would look after them if I left?"

"But if your hours are numbered?"

"If I have only one minute to go before I die, still I cannot desert those who depend on me."

Dixit turned to Malti. "You, Malti—you have less responsibility. Patel will have his revenge on you. Come with me and be safe!"

She shook her head. "If I came, I would sicken with worry for what was happening here and so I would die that way."

He looked about him hopelessly. The blind interdependence bred by this crowded environment had beaten him—almost. He still had one card to play.

"When I go out of here, as go I must, I have to report to my superiors. They are the people who—the people who really order everything that happens here. They supply your light, your food, your air. They are like gods to you, with the power of death over every one on every deck—which perhaps is why you can hardly believe in them. They already feel that Total Environment is wrong, a crime against your humanity. I have to take my verdict to them. My verdict, I can tell you now, is that the lives of all you people are as precious as lives outside these walls. The experiment must be stopped; you all must go free.

"You may not understand entirely what I mean, but perhaps the wall screens have helped you grasp something. You will all be looked after and rehabilitated. Everyone will be released from the decks very soon. So, you can both come with me and save your lives; and then, in perhaps only a week, you will be reunited with your family. Patel will have no power then. Now, think over your decision again, for the good of your dependents, and come with me to life and freedom."

Malti and Gita looked anxiously at each other and went into a huddle. Shamim joined in, and Jamsu, and lame Shirin, and more and more of the tribe, and a great jangle of excited talk swelled up. Dixit fretted nervously.

Finally, silence fell. Gita said, "Sir, your intentions are plainly kind. But you have forgotten that Malti charged you to take a message to outside. Her message was to tell the people there to go away and let us make our own world. Perhaps you do not understand such a message and so cannot deliver it. Then I will give you my message, and you can take it to your superiors."

Dixit bowed his head.

"Tell them, your superiors and everyone outside who insists on watching us and meddling in our affairs, tell them that we are shaping our own lives. We know what is to come, and the many problems of having such a plenty of young people. But we have faith in our next generation. We believe they will have many new talents we do not possess, as we have talents our fathers did not possess.

"We know you will continue to send in food and air, because that is something you cannot escape from. We also know that in your hidden minds you wish to see us all fail and die. You wish to see us break, to see what will happen when we do. You do not have love for us. You have fear and puzzlement and hate. We shall not break. We are building a new sort of world, we are getting clever. We would die if you took us out of here. Go and tell that to your superiors and to everyone who spies on us. Please leave us to our own lives, over which we have our own commands."

There seemed nothing Dixit could say in answer. He looked at Malti, but could see she was unyielding, frail and pale and unyielding. This was what UHDRE had bred: complete lack of understanding. He turned and went.

He had his key. He knew the secret place on each deck where he could slip away into one of the escape elevators. As he pushed through the grimy crowds, he could hardly see his way for tears.

X

It was all very informal. Dixit made his report to a board of six members of the UHDRE administration, including the Special Project Organizer, Peter Crawley. Two observers were allowed to sit in, a grand lady who represented the Indian Government, and Dixit's old friend, Senator Jacob Byrnes, representing the United Nations.

Dixit delivered his report on what he had found and added a recommendation that a rehabilitation village be set up immediately and the Environment wound down.

Crawley rose to his feet and stood rigid as he said, "By your own words, you admit that these people of Environment cling desperately to what little they have. However terrible, however miserable that little may seem to you. They are acclimatized to what they have. They have turned their backs to the outside world and don't want to come out."

Dixit said, "We shall rehabilitate them, re-educate them, find them local homes where the intricate family patterns to which they are used can still be maintained, where they can be helped back to normality."

"But by what you say, they would receive a paralyzing shock if confronted with the outside world and its gigantic scale."

"Not if Patel still led them."

A mutter ran along the board; its members clearly thought this an absurd statement. Crawley gestured despairingly, as if his case were made, and sat down saying, "He's the sort of tyrant who causes the misery in Environment."

"The one thing they need when they emerge to freedom is a strong leader they know. Gentlemen, Patel is our good hope. His great asset is that he is oriented towards outside already."

"Just what does that mean?" one of the board asked.

"It means this. Patel is a clever man. My belief is that he arranged that Malti should help me escape from his cell. He never had any intention of killing me; that was a bluff to get me on my way. Little, oppressed Malti was just not the woman to take any initiative. What Patel probably did not bargain for was that I should mention Gita by name to her, or that Gita should be closely related to her. But because of their fatalism, his plan was in no way upset."

"Why should Patel want you to escape?"

"Implicit in much that he did and said, though he tried to hide it, was a burning curiosity about outside. He exhibited facets of his culture to me to ascertain my reactions—testing for approval or disapproval, I'd guess, like a child. Nor does he attempt to attack other decks—the time-honored sport of Environment tyrants; his attention is directed inwardly on us.

"Patel is intelligent enough to know that we have real power. He has never lost the true picture of reality, unlike his minions. Sohe wants to get out .

"He calculated that if I got back to you, seemingly: having escaped death, I would report strongly enough to persuade you to start demolishing Total Environment immediately."

"Which you are doing," Crawley said.

"Which I am doing. Not for Patel's reasons, but for human reasons. And for utilitarian reasons also—which will perhaps appeal more to Mr. Crawley. Gentlemen, you were right. There are mental disciplines in Environment the world could use, of which perhaps the least attractive is telecide. UHDRE has cost the public millions on millions of dollars. We have to recoup by these new advances. We can only use these new advances by studying them in an atmosphere not laden with hatred and envy of us—in other words, by opening that black tower."

The meeting broke up. Of course, he could not expect anything more decisive than that for a day or two.

Senator Byrnes came over.

"Not only did you make out a good case, Thomas; history is with you. The world's emerging from a bad period and that dark tower, as you call it, is a symbol of the bad times, and so it has to go."

Inwardly, Dixit had his qualifications to that remark. But they walked together to the window of the boardroom and looked across at the great rough bulk of the Environment building.

"It's more than a symbol. It's as full of suffering and hope as our own world. But it's a manmade monster—it must go."

Byrnes nodded. "Don't worry. It'll go. I feel sure that the historical process, that blind evolutionary thing, has already decided that UHDRE's day is done. Stick around. In a few weeks, you'll be able to help Malti's family rehabilitate. And now I'm off to put in my two cents' worth with the chairman of that board."

He clapped Dixit on the back and walked off. Inside he knew lights would be burning and those thronging feet padding across the only world they knew. Inside there, babies would be born this night and

men die of old age and night-visions...

Outside, monsoon rain began to fall on the wide Indian land.