

I am writing this memoir in the language of England, an ancient land of Earth, whose tales and songs White Hill valued. She was fascinated by human culture in the days before machines-not just thinking machines, but working ones; when things got done by the straining muscles of humans and animals.

Neither of us was born on Earth. Not many people were, in those days. It was a desert planet then, ravaged in the twelfth year of what they would call the Last War. When we met, that war had been going for over four hundred years, and had moved out of Sol Space altogether, or so we thought.

Some cultures had other names for the conflict. My parent, who fought the century before I did, always called it the Extermination, and their name for the enemy was "roach," or at least that's as close as English allows. We called the enemy an approximation of their own word for themselves, Fwndyri, which was uglier to us. I still have no love for them, but have no reason to make the effort. It would be easier to love a roach. At least we have a common ancestor. And we accompanied one another into space.

One mixed blessing we got from the war was a loose form of interstellar government, the Council of Worlds. There had been individual treaties before, but an overall organization had always seemed unlikely, since no two inhabited systems are less than three light-years apart, and several of them are over fifty. You can't defeat Einstein; that makes more than a century between "How are you?" and "Fine."

The Council of Worlds was headquartered on Earth, an unlikely and unlovely place, if centrally located. There were fewer than ten thousand people living on the blighted planet then, an odd mix of politicians, religious extremists, and academics, mostly. Almost all of them under glass. Tourists flowed through the domed-over ruins, but not many stayed long. The planet was still very dangerous over all of its unprotected surface, since the Fwndyri had thoroughly seeded it with nanophages. Those were submicroscopic constructs that sought out concentrations of human DNA. Once under the skin, they would reproduce at a geometric rate, deconstructing the body, cell by cell, building new nanophages. A person might complain of a headache and lie down, and a few hours later there would be nothing but a dry skeleton, lying in dust. When the humans were all dead, they mutated and went after DNA in general, and sterilized the world.

White Hill and I were "bred" for immunity to the nanophages. Our DNA winds backwards, as was the case with many people born or created after that stage of the war. So we could actually go through the elaborate airlocks and step out onto the blasted surface unprotected.

I didn't like her at first. We were competitors, and aliens to one another.

When I worked through the final airlock cycle; for my first moment on the actual surface of Earth, she was waiting outside, sitting in meditation on a large flat rock that shimmered in the heat. One had to admit she was beautiful in a startling way, clad only in a glistening pattern of blue and green body paint. Everything else around was grey and black, including the hard-packed talcum that had once been a mighty jungle, Brazil. The dome behind me was a mirror of grey and black and cobalt sky.

"Welcome home," she said. "You're Water Man."

She inflected it properly, which surprised me. "You're from Petros?"

"Of course not." She spread her arms and looked down at her body. Our women always cover at least

one of their breasts, let alone their genitals. "Galan, an island on Seldene. I've studied your cultures, a little language."

"You don't dress like that on Seldene, either." Not anywhere I'd been on the planet.

"Only at the beach. It's so warm here."

I had to agree. Before I came out, they'd told me it was the hottest autumn on record. I took off my robe and folded it and left it by the door, with the sealed food box they had given me. I joined her on the rock, which was tilted away from the sun and reasonably cool.

She had a slight fragrance of lavender, perhaps from the body paint. We touched hands. "My name is White Hill. Zephyr Meadow-Torrent."

"Where are the others?" I asked. Twenty-nine artists had been invited; one from each inhabited world. The people who had met me inside said I was the nineteenth to show up.

"Most of them traveling. Going from dome to dome for inspiration."

"You've already been around?"

"No." She reached down with her toe and scraped a curved line on the hard-baked ground. "All the story's here, anywhere. It isn't really about history or culture."

Her open posture would have been shockingly sexual at home, but this was not home. "Did you visit my world when you were studying it?"

"No, no money, at the time. I did get there a few years ago." She smiled at me. "It was almost as beautiful as I'd imagined it." She said three words in Petrosian. You couldn't say it precisely in English, which doesn't have a palindromic mood: Dreams feed art and art feeds dreams.

"When you came to Seldene I was young, too young to study with you. I've learned a lot from your sculpture, though."

"How young can you be?" To earn this honor, I did not say.

"In Earth years, about seventy awake. More than a hundred and forty-five in time-squeeze."

I struggled with the arithmetic. Petros and Seldene were twenty-two light-years apart; that's about forty-five years' squeeze. Earth is, what, a little less than forty light-years from her planet. That leaves enough gone time for someplace about twenty-five light-years from Petros, and back.

She tapped me on the knee, and I flinched. "Don't overheat your brain. I made a triangle; went to ThetaKent after your world."

"Really? When I was there?"

"No, I missed you by less than a year. I was disappointed. You were why I went." She made a palindrome in my language: Predator becomes prey becomes predator? "So here we are. Perhaps I can still learn from you."

I didn't much care for her tone of voice, but I said the obvious: "I'm more likely to learn from you."

"Oh, I don't think so." She smiled in a measured way. "You don't have much to learn."

Or much I could, or would, learn. "Have you been down to the water?"

"Once." She slid off the rock and dusted herself, spanking. "It's interesting. Doesn't look real." I picked up the food box and followed her down a sort of path that led us into low ruins. She drank some of my water, apologetic; hers was hot enough to brew tea.

"first body?" I asked.

"I'm not tired of it yet." She gave me a sideways look, amused. "You must be on your fourth or fifth."

"I go through a dozen a year." She laughed. "Actually, it's still my second. I hung on to the first too long."

"I read about that, the accident. That must have been horrible."

"Comes with the medium. I should take up the flute." I had been making a "controlled" fracture in a large boulder and set off the charges prematurely, by dropping the detonator. Part of the huge rock rolled over onto me, crushing my body from the hips down. It was a remote area, and by the time help arrived I had been dead for several minutes, from pain as much as anything else. "It affected all of my work, of course. I can't even look at some of the things I did the first few years I had this body."

"They are hard to look at," she said. "Not to say they aren't well done, and beautiful, in their way."

"As what is not? In its way." We came to the first building ruins and stopped. "Not all of this is weathering. Even in four hundred years." If you studied the rubble you could reconstruct part of the design. Primitive but sturdy, concrete reinforced with composite rods. "Somebody came in here with heavy equipment or explosives. They never actually fought on Earth, I thought."

"They say not." She picked up an irregular brick with a rod through it. "Rage, I suppose. Once people knew that no one was going to live."

"It's hard to imagine." The records are chaotic. Evidently the first people died two or three days after the nanophages were introduced, and no one on Earth was alive a week later. "Not hard to understand, though. The need to break something." I remembered the inchoate anger I felt as I squirmed there helpless, dying from sculpture, of all things. Anger at the rock, the fates. Not at my own inattention and clumsiness.

"They had a poem about that," she said. " 'Rage, rage against the dying of the light.' "

"Somebody actually wrote something during the nanoplague?"

"Oh, no. A thousand years before. Twelve hundred." She squatted suddenly and brushed at a fragment that had two letters on it. "I wonder if this was some sort of official building. Or a shrine or church." She pointed along the curved row of shattered bricks that spilled into the street. "That looks like it was some kind of decoration, a gable over the entrance." She tiptoes through the rubble toward the far end of the arc, studying what was written on the face-up pieces. The posture, standing on the balls of her feet, made her slim body even more attractive, as she must have known. My own body began to respond in a way inappropriate for a man more than three times her age. Foolish, even though that particular part is not so

old. I willed it down before she could see.

"It's a language I don't know," she said: "Not Portuguese; looks like Latin. A Christian church, probably, Catholic."

"They used water in their religion," I remembered. "Is that why it's close to the sea?"

"They were everywhere; sea, mountains, orbit. They got to Petros?"

"We still have some. I've never met one, but they have a church in New Haven."

"As who doesn't?" She pointed up a road. "Come on. The beach is just over the rise here."

I could smell it before I saw it. It wasn't an ocean smell; it was dry, slightly choking.

We turned a corner and I stood staring. "It's a deep blue farther out," she said, "and so clear you can see hundreds of meters down." Here the water was thick and brown, the surf foaming heavily like a giant's chocolate drink, mud piled in baked windrows along the beach. "This used to be soil?"

She nodded. "There's a huge river that cuts this continent in half, the Amazon. When the plants died, there was nothing to hold the soil in place." She tugged me forward. "Do you swim? Come on."

"Swim in that? It's filthy."

"No, it's perfectly sterile. Besides, I have to pee." Well, I couldn't argue with that. I left the box on a high fragment of fallen wall and followed her. When we got to the beach, she broke into a run. I walked slowly and watched her gracile body, instead, and waded into the slippery heavy surf. When it was deep enough to swim, I plowed my way out to where she was bobbing. The water was too hot to be pleasant, and breathing was somewhat difficult. Carbon dioxide, I supposed, with a tang of halogen.

We floated together for a while, comparing this soup to bodies of water on our planets and ThetaKent. It was tiring, more from the water's heat and bad air than exertion, so we swam back in.

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We dried in the blistering sun for a few minutes and then took the food box and moved to the shade of a beachside ruin. Two walls had fallen in together, to make a sort of concrete tent.

We could have been a couple of precivilization aboriginals, painted with dirt, our hair baked into stringy mats. She looked odd but still had a kind of formal beauty, the dusty mud residue turning her into a primitive sculpture, impossibly accurate and mobile. Dark rivulets of sweat drew painterly accent lines along her face and body. If only she were a model, rather than an artist. Hold that pose while I go back for my brushes.

We shared the small bottles of cold wine and water and ate bread and cheese and fruit. I put a piece on the ground for the nanophages. We watched it in silence for some minutes, while nothing happened. "It probably takes hours or days," she finally said.

"I suppose we should hope so," I said. "Let us digest the food before the creatures get to it."

"Oh, that's not a problem. They just attack the bonds between amino acids that make up proteins. For

you and me, they're nothing more than an aid to digestion."

How reassuring. "But a source of some discomfort when we go back in, I was told."

She grimaced. "The purging. I did it once, and decided my next outing would be a long one. The treatment's the same for a day or a year."

"So how long has it been this time?"

"Just a day and a half. I came out to be your welcoming committee."

"I'm flattered."

She laughed. "It was their idea, actually. They wanted someone out here to 'temper' the experience for you. They weren't sure how well traveled you were, how easily affected by... strangeness." She shrugged. "Earthlings. I told them I knew of four planets you'd been to."

"They weren't impressed?"

"They said well, you know, he's famous and wealthy. His experiences on these planets might have been very comfortable." We could both laugh at that. "I told them how comfortable ThetaKent is."

"Well, it doesn't have nanophages."

"Or anything else. That was a long year for me. You didn't even stay a year."

"No. I suppose we would have met, if I had."

"Your agent said you were going to be there two years."

I poured us both some wine. "She should have told me you were coming. Maybe I could have endured it until the next ship out."

"How gallant." She looked into the wine without drinking. "You famous and wealthy people don't have to endure ThetaKent. I had to agree to one year's indentureship to help pay for my triangle ticket."

"You were an actual slave?"

"More like a wife, actually. The head of a township, a widower, financed me in exchange for giving his children some culture. Language, art, music. Every now and then he asked me to his chambers. For his own kind of culture."

"My word. You had to...lie with him? That was in the contract?"

"Oh, I didn't have to, but it kept him friendly." She held up a thumb and forefinger. "It was hardly noticeable."

I covered my smile with a hand, and probably blushed under the mud.

"I'm not embarrassing you?" she said. "From your work, I'd think that was impossible."

I had to laugh. "That work is in reaction to my culture's values. I can't take a pill and stop being a Petrosian."

White Hill smiled, tolerantly. "A Petrosian woman wouldn't put up with an arrangement like that?"

"Our women are still women. Some actually would like it, secretly. Most would claim they'd rather die, or kill the man."

"But they wouldn't actually do it. Trade their body for a ticket?" She sat down in a single smooth dancer's motion, her legs open, facing me. The clay between her legs parted, sudden pink.

"I wouldn't put it so bluntly." I swallowed, watching her watching me. "But no, they wouldn't. Not if they were planning to return."

"Of course, no one from a civilized planet would want to stay on ThetaKent. Shocking place."

I had to move the conversation onto safer grounds. "Your arms don't spend all day shoving big rocks around. What do you normally work in?"

"Various mediums." She switched to my language. "Sometimes I shove little rocks around." That was a pun for testicles. "I like painting, but my reputation is mainly from light and sound sculpture. I wanted to do something with the water here, internal illumination of the surf, but they say that's not possible. They can't isolate part of the ocean. I can have a pool, but no waves, no tides."

"Understandable." Earth's scientists had found a way to rid the surface of the nanoplague. Before they reterraformed the Earth, though, they wanted to isolate an area, a "park of memory," as a reminder of the Sterlization and these centuries of waste, and brought artists from every world to interpret, inside the park, what they had seen here.

Every world except Earth. Art on Earth had been about little else for a long time.

Setting up the contest had taken decades. A contest representative went to each of the settled worlds, according to a strict timetable. Announcement of the competition was delayed on the nearer worlds so that each artist would arrive on Earth at approximately the same time.

The Earth representatives chose which artists would be asked, and no one refused. Even the ones who didn't win the contest were guaranteed an honorarium equal to twice what they would have earned during that time at home, in their best year of record.

The value of the prize itself was so large as to be meaningless to a normal person. I'm a wealthy man on a planet where wealth is not rare, and just the interest that the prize would earn would support me and a half-dozen more. If someone from ThetaKent or Laxor won the prize, they would probably have more real usable wealth than their governments. If they were smart, they wouldn't return home.

The artists had to agree on an area for the park, which was limited to a hundred square kaymetras. If they couldn't agree, which seemed almost inevitable to me, the contest committee would listen to arguments and rule.

Most of the chosen artists were people like me, accustomed to working on a monumental scale. The one from Luxor was a composer, though, and there were two conventional muralists, paint and mosaic. White Hill's work was by its nature evanescent. She could always set something up that would be

repeated, like a fountain cycle. She might have more imagination than that, though.

"Maybe it's just as well we didn't meet in a master-student relationship," I said. "I don't know the first thing about the techniques of your medium."

"It's not technique." She looked thoughtful, remembering. "That's not why I wanted to study with you, back then. I was willing to push rocks around, or anything, if it could give me an avenue, an insight into how you did what you did." She folded her arms over her chest, and dust fell. "Ever since my parents took me to see Gaudj Mountain, when I was ten."

That was an early work, but I was still satisfied with it. The city council of Tresling, a prosperous coastal city, hired me to "do something with" an unusable steep island that stuck up in the middle of their harbor. I melted it judiciously, in homage to an Earthling artist.

"Now, though, if you'd forgive me... well, I find it hard to look at. It's alien, obtrusive."

"You don't have to apologize for having an opinion." Of course it looked alien; it was meant to evoke Spain! "What would you do with it?"

She stood up, and walked to where a window used to be, and leaned on the stone sill, looking at the ruins that hid the sea. "I don't know. I'm even less familiar with your tools." She scraped at the edge of the sill with a piece of rubble. "It's funny: earth, air, fire, and water. You're earth and fire, and I'm the other two."

I have used water, of course. The Gaudj is framed by water. But it was an interesting observation. "What do you do, I mean for a living? Is it related to your water and air?"

"No. Except insofar as everything is related." There are no artists on Seldene, in the sense of doing it for a living. Everybody indulges in some sort of art or music, as part of "wholeness," but a person who only did art would be considered a parasite. I was not comfortable there.

She faced me, leaning. "I work at the Northport Mental Health Center. Cognitive science, a combination of research and... is there a word here? Jaturary. 'Empathetic therapy,' I guess."

I nodded. "We say jadr-ny. You plug yourself into mental patients?"

"I share their emotional states. Sometimes I do some good, talking to them afterwards. Not often."

"It's not done on Petrosia," I said, unnecessarily.

"Not legally, you mean."

I nodded. "If it worked, people say, it might be legal."

"'People say.' What do you say?" I started to make a noncommittal gesture. "Tell me the truth?"

"All I know is what I learned in school. It was tried, but failed spectacularly. It hurt both the therapists and the patients."

"That was more than a century ago. The science is much more highly developed now."

I decided not to push her on it. The fact is that drug therapy is spectacularly successful, and it is a science, unlike jadr-ny. Seldene is backward in some surprising ways.

I joined her at the window. "Have you looked around for a site yet?"

She shrugged. "I think my presentation will work anywhere. At least that's guided my thinking. I'll have water, air, and light, wherever the other artists and the committee decide to put us." She scraped at the ground with a toenail. "And this stuff. They call it 'loss.' What's left of what was living."

"I suppose it's not everywhere, though. They might put us in a place that used to be a desert."

"They might. But there will be water and air; they were willing to guarantee that."

"I don't suppose they have to guarantee rock," I said.

"I don't know. What would you do if they did put us in a desert, nothing but sand?"

"Bring little rocks." I used my own language; the pun also meant courage.

She started to say something, but we were suddenly in deeper shadow. We both stepped through the tumbled wall, out into the open. A black line of cloud had moved up rapidly from inland.

She shook her head. "Let's get to the shelter. Better hurry."

We trotted back along the path toward the Amazonia dome city. There was a low concrete structure behind the rock where I first met her. The warm breeze became a howling gale of sour steam before we got there, driving bullets of hot rain. A metal door opened automatically on our approach, and slid shut behind us. "I got caught in one yesterday," she said, panting. "It's no fun, even under cover. Stinks."

We were in an unadorned anteroom that had protective clothing on wall pegs. I followed her into a large room furnished with simple chairs and tables, and up a winding stair to an observation bubble.

"Wish we could see the ocean from here," she said. It was dramatic enough. Wavering sheets of water marched across the blasted landscape, strobed every few seconds by lightning flashes. The tunic I'd left outside swooped in flapping circles off to the sea.

It was gone in a couple of seconds. "You don't get another one, you know. You'll have to meet everyone naked as a baby."

"A dirty one at that. How undignified."

"Come on." She caught my wrist and tugged. "Water is my specialty, after all."

3

The large hot bath was doubly comfortable for having a view of the tempest outside. I'm not at ease with communal bathing-I was married for fifty years and never bathed with my wife-but it seemed natural enough, after wandering around together naked on an alien planet, swimming in its mud-puddle sea. I hoped I could trust her not to urinate in the tub. (If I mentioned it she would probably turn scientific and tell me that a healthy person's urine is sterile. I know that. But there is a time and a receptacle for everything.)

On Seldene, I knew, an unattached man and woman in this situation would probably have had sex even if they were only casual acquaintances, let alone fellow artists. She was considerate enough not to make any overtures, or perhaps (I thought at the time) not greatly stimulated by the sight of muscular men. In the shower before bathing, she offered to scrub my back, but left it at that. I helped her strip off the body paint from her back. It was a nice back to study, pronounced lumbar dimples, small waist. Under more restrained circumstances, it might have been I who made an overture. But one does not ask a woman when refusal would be awkward.

Talking while we bathed, I learned that some of her people, when they become wealthy enough to retire, choose to work on their art full time, but they're considered eccentric, even outcasts, egotists. White Hill expected one of them to be chosen for the contest, and wasn't even going to apply. But the Earthling judge saw one of her installations and tracked her down.

She also talked about her practical work in dealing with personality disorders and cognitive defects. There was some distress in her voice when she described that to me. Plugging into hurt minds, sharing their pain or blankness for hours. I didn't feel I knew her well enough to bring up the aspect that most interested me, a kind of ontological prurience: what is it like to actually be another person; how much of her, or him, do you take away? If you do it often enough, how can you know which parts of you are the original you?

And she would be plugged into more than one person at once, at times, the theory being that people with similar disorders could help each other, swarming around in the therapy room of her brain. She would fade into the background, more or less unable to interfere, and later analyze how they had interacted.

She had had one particularly unsettling experience, where through a planetwide network she had interconnected more than a hundred congenitally retarded people. She said it was like a painless death. By the time half of them had plugged in, she had felt herself fade and wink out. Then she was reborn with the suddenness of a slap. She had been dead for about ten hours.

But only connected for seven. It had taken technicians three hours to pry her out of a persistent catatonia. With more people, or a longer period, she might have been lost forever. There was no lasting harm, but the experiment was never repeated.

It was worth it, she said, for the patients' inchoate happiness afterward. It was like a regular person being given supernatural powers for half a day-powers so far beyond human experience that there was no way to talk about them, but the memory of it was worth the frustration.

After we got out of the tub, she showed me to our wardrobe room: hundreds of white robes, identical except for size. We dressed and made tea and sat upstairs, watching the storm rage. It hardly looked like an inhabitable planet outside. The lightning had intensified so that it crackled incessantly, a jagged insane dance in every direction. The rain had frozen to white gravel somehow. I asked the building, and it said that the stuff was called granizo or, in English, hail. For a while it fell too fast to melt, accumulating in white piles that turned translucent.

Staring at the desolation, White Hill said something that I thought was uncharacteristically modest. "This is too big and terrible a thing. I feel like an interloper. They've lived through centuries of this, and now they want us to explain it to them?"

I didn't have to remind her of what the contest committee had said, that their own arts had become stylized, stunned into a grieving conformity. "Maybe not to explain -maybe they're assuming we'll fail, but

hope to find a new direction from our failures. That's what that oldest woman, Norita, implied."

White Hill shook her head. "Wasn't she a ray of sunshine? I think they dragged her out of the grave as a way of keeping us all outside the dome."

"Well, she was quite effective on me. I could have spent a few days investigating Amazonia, but not with her as a native guide." Norita was about as close as anyone could get to being an actual native. She was the last survivor of the Five Families, the couple of dozen Earthlings who, among those who were offworld at the time of the nanoplague, were willing to come back after robots constructed the isolation domes.

In terms of social hierarchy, she was the most powerful person on Earth, at least on the actual planet. The class system was complex and nearly opaque to outsiders, but being a descendant of the Five Families was a prerequisite for the highest class. Money or political power would not get you in, although most of the other social classes seemed associated with wealth or the lack of it. Not that there were any actual poor people on Earth; the basic birth dole was equivalent to an upper-middle-class income on Petros.

The nearly instantaneous destruction of ten billion people did not destroy their fortunes. Most of the Earth's significant wealth had been off-planet, anyhow, at the time of the Sterilization. Suddenly it was concentrated into the hands of fewer than two thousand people.

Actually, I couldn't understand why anyone would have come back. You'd have to be pretty sentimental about your roots to be willing to spend the rest of your life cooped up under a dome, surrounded by instant death. The salaries and amenities offered were substantial, with bonuses for Earthborn workers, but it still doesn't sound like much of a bargain. The ships that brought the Five Families and the other original workers to Earth left loaded down with sterilized artifacts, not to return for exactly one hundred years.

Norita seemed like a familiar type to me, since I come from a culture also rigidly bound by class. "Old money, but not much of it" sums up the situation. She wanted to be admired for the accident of her birth and the dubious blessing of a torpid longevity, rather than any actual accomplishment. I didn't have to travel thirty-three light-years to enjoy that kind of company.

"Did she keep you away from everybody?" White Hill said.

"Interposed herself. No one could act naturally when she was around, and the old dragon was never not around. You'd think a person her age would need a little sleep."

" 'She lives on the blood of infants,' we say. "

There was a phone chime and White Hill said "Bono" as I said, "Ch†." Long habits. Then we said Earth's "Hol " simultaneously.

The old dragon herself appeared. "I'm glad you found shelter." Had she been eavesdropping? No way to tell from her tone or posture. "An administrator has asked permission to visit with you."

What if we said no? White Hill nodded, which means yes on Earth. "Granted," I said.

"Very well. He will be there shortly." She disappeared. I suppose the oldest person on a planet can justify not saying hello or goodbye. Only so much time left, after all.

"A physical visit?" I said to White Hill. "Through this weather?"

She shrugged. "Earthlings."

After a minute there was a ding sound in the anteroom and we walked down to see an unexpected door open. What I'd thought was a hall closet was an airlock. He'd evidently come underground.

Young and nervous and moving awkwardly in plastic. He shook our hands in an odd way. Of course we were swimming in deadly poison. "My name is Warm Dawn Zephyr-Boulder-Brook."

"Are we cousins through Zephyr?" White Hill asked.

He nodded quickly. "An honor, my lady. Both of my parents are Seldenian, my gene-mother from your Galan."

A look passed over her that was pure disbelieving chauvinism: Why would anybody leave Seldene's forests, farms, and meadows for this sterile death trap? Of course, she knew the answer. The major import and export, the only crop, on Earth, was money.

"I wanted to help both of you with your planning. Are you going to travel at all, before you start?"

White Hill made a noncommittal gesture. "There are some places for me to see," I said. "The Pyramids, Chicago, Rome. Maybe a dozen places, twice that many days." I looked at her. "Would you care to join me?"

She looked straight at me, wheels turning. "It sounds interesting."

The man took us to a viewscreen in the great room and we spent an hour or so going over routes and making reservations. Travel was normally by underground vehicle, from dome to dome, and if we ventured outside unprotected, we would of course have to go through the purging before we were allowed to continue. Some people need a day or more to recover from that, so we should put that into the schedule, if we didn't want to be hobbled, like him, with plastic.

Most of the places I wanted to see were safely under glass, even some of the Pyramids, which surprised me. Some, like Angkor Wat, were not only unprotected but difficult of access. I had to arrange for a flyer to cover the thousand kaymetras, and schedule a purge. White Hill said she would wander through Hanoi, instead.

I didn't sleep well that night, waking often from fantastic dreams, the nanobeasts grown large and aggressive. White Hill was in some of the dreams, posturing sexually.

By the next morning the storm had gone away, so we crossed over to Amazonia, and I learned firsthand why one might rather sit in a hotel room with a nice book than go to Angkor Wat, or anywhere that required a purge. The external part of the purging was unpleasant enough, even with pain medication, all the epidermis stripped and regrown. The inside part was beyond description, as the nanophages could be hiding out anywhere. Every opening into the body had to be vacuumed out, including the sense organs. I was not awake for that part, where the robots most gently clean out your eye sockets, but my eyes hurt and my ears rang for days. They warned me to sit down the first time I urinated, which was good advice, since I nearly passed out from the burning pain.

White Hill and I had a quiet supper of restorative gruel together, and then crept off to sleep for half a day.

She was full of pep the next morning, and I pretended to be at least sentient, as we wandered through the city making preparations for the trip.

After a couple of hours I protested that she was obviously trying to do in one of her competitors; stop and let an old man sit down for a minute.

We found a bar that specialized in stimulants. She had tea and I had bhan, a murky warm drink served in a large nutshell, coconut. It tasted woody and bitter, but was restorative.

"It's not age," she said. "The purging seems a lot easier, the second time you do it. I could hardly move, all the next day, the first time."

Interesting that she didn't mention that earlier. "Did they tell you it would get easier?"

She nodded, then caught herself and wagged her chin horizontally, Earth-style. "Not a word. I think they enjoy our discomfort."

"Or like to keep us off guard. Keeps them in control." She made the little kissing sound that's Lortian for agreement and reached for a lemon wedge to squeeze into her tea. The world seemed to slow slightly, I guess from whatever was in the bhan, and I found myself cataloguing her body microscopically. A crescent of white scar tissue on the back of a knuckle, fine hair on her forearm, almost white, her shoulders and breasts moving in counterpoised pairs, silk rustling, as she reached forward and back and squeezed the lemon, sharp citrus smell and the tip of her tongue between her thin lips, mouth slightly large. Chameleon hazel eyes, dark green now because of the decorative ivy wall behind her.

"What are you staring at?"

"Sorry, just thinking."

"Thinking." She stared at me in return, measuring. "Your people are good at that."

After we'd bought the travel necessities we had the packages sent to our quarters and wandered aimlessly. The city was comfortable, but had little of interest in terms of architecture or history, oddly dull for a planet's administrative center. There was an obvious social purpose for its blandness-by statute, nobody was from Amazonia; nobody could be born there or claim citizenship. Most of the planet's wealth and power came there to work, electronically if not physically, but it went home to some other place.

A certain amount of that wealth was from interstellar commerce, but it was nothing like the old days, before the war. Earth had been a hub, a central authority that could demand its tithe or more from any transaction between planets. In the period between the Sterilization and Earth's token rehabilitation, the other planets made their own arrangements with one another, in pairs and groups. But most of the fortunes that had been born on Earth returned here.

So Amazonia was bland as cheap bread, but there was more wealth under its dome than on any two other planets combined. Big money seeks out the company of its own, for purposes of reproduction.

4

Two other artists had come in, from Auer and Shwa, and once they were ready, we set out to explore the world by subway. The first stop that was interesting was the Grand Canyon, a natural wonder whose desolate beauty was unaffected by the Sterilization.

We were amused by the guide there, a curious little woman who rattled on about the Great Rift Valley on Mars, a nearby planet where she was born. White Hill had a lightbox, and while the Martian lady droned on we sketched the fantastic colors, necessarily loose and abstract because our fingers were clumsy in clinging plastic.

We toured Chicago, like the Grand Canyon, wrapped in plastic. It was a large city that had been leveled in a local war. It lay in ruins for many years, and then, famously, was rebuilt as a single huge structure from those ruins. There's a childish or drunken ad hoc quality to it, a scarcity of right angles, a crazy-quilt mixture of materials. Areas of stunning imaginative brilliance next to jury-rigged junk. And everywhere bones, the skeletons of ten million people, lying where they fell. I asked what had happened to the bones in the old city outside of Amazonia. The guide said he'd never been there, but he supposed that the sight of them upset the politicians, so they had them cleaned up. "Can you imagine this place without the bones?" he asked. It would be nice if I could.

The other remnants of cities in that country were less interesting, if no less depressing. We flew over the east coast, which was essentially one continuous metropolis for thousands of kaymetras, like our coast from New Haven to Stargate, rendered in sterile ruins.

The first place I visited unprotected was Giza, the Great Pyramids. White Hill decided to come with me, though she had to be wrapped up in a shapeless cloth robe, her face veiled, because of local religious law. It seemed to me ridiculous, a transparent tourism ploy. How many believers in that old religion could have been off-planet when the Earth died? But every female was obliged at the tube exit to go into a big hall and be fitted with a chador robe and veil before a man could be allowed to look at her.

(We wondered whether the purging would be done completely by women. The technicians would certainly see a lot of her uncovered during that excruciation.)

They warned us it was unseasonably hot outside. Almost too hot to breathe, actually, during the day. We accomplished most of our sight-seeing around dusk or dawn, spending most of the day in air-conditioned shelters.

Because of our special status, White Hill and I were allowed to visit the pyramids alone, in the dark of the morning. We climbed up the largest one and watched the sun mount over desert haze. It was a singular time for both of us, edifying but something more.

Coming back down, we were treated to a sand-storm, khamsin, which actually might have done the first stage of purging if we had been allowed to take off our clothes. It explained why all the bones lying around looked so much older than the ones in Chicago; they normally had ten or twelve of these sandblasting storms every year. Lately, with the heat wave, the khamsin came weekly or even more often.

Raised more than five thousand years ago, the pyramids were the oldest monumental structures on the planet. They actually held as much fascination for White Hill as for me. Thousands of men moved millions of huge blocks of stone, with nothing but muscle and ingenuity. Some of the stones were mined a thousand kaymetras away, and floated up the river on barges.

I could build a similar structure, even larger, for my contest entry, by giving machines the right instructions. It would be a complicated business, but easily done within the two-year deadline. Of course there would be no point to it. That some anonymous engineer had done the same thing within the lifetime of a king, without recourse to machines-I agreed with White Hill: that was an actual marvel.

We spent a couple of days outside, traveling by surface hoppers from monument to monument, but none was as impressive. I suppose I should have realized that and saved Giza for last.

We met another of the artists at the Sphinx, Lo Tan-Six, from Pao. I had seen his work on both Pao and ThetaKent, and admitted there was something to be admired there. He worked in stone, too, but was more interested in pure geometric forms than I was. I think stone fights form, or imposes its own tensions on the artist's wishes.

I liked him well enough, though, in spite of this and other differences, and we traveled together for a while. He suggested we not go through the purging here, but have our things sent on to Rome, because we'd want to be outside there, too. There was a daily hop from Alexandria to Rome, an airship that had a section reserved for those of us who could eat and breathe nanophages.

As soon as she was inside the coolness of the ship, White Hill shed the chador and veil and stuffed them under the seat. "Breathe," she said, stretching. Her white body suit was a little less revealing than paint.

Her directness and undisguised sexuality made me catch my breath. The tiny crease of punctuation that her vulva made in the body suit would have her jailed on some parts of my planet, not to mention the part of this one we'd just left. The costume was innocent and natural and, I think, completely calculated.

Pao studied her with an interested detachment. He was neuter, an option that was available on Petros, too, but one I've never really understood. He claimed that sex took too much time and energy from his art. I think his lack of gender took something else away from it.

We flew about an hour over the impossibly blue sea. There were a few sterile islands, but otherwise it was as plain as spilled ink. We descended over the ashes of Italy and landed on a pad on one of the hills overlooking the ancient city. The ship mated to an air-lock so the normal-DNA people could go down to a tube that would whisk them into Rome. We could call for transportation or walk, and opted for the exercise. It was baking hot here, too, but not as bad as Egypt.

White Hill was polite with Lo, but obviously wished he'd disappear. He and I chattered a little too much about rocks and cements, explosives and lasers. And his asexuality diminished her interest in him-as, perhaps, my polite detachment increased her interest in me. The muralist from Shwa, to complete the spectrum, was after her like a puppy in its first heat, which I think amused her for two days. They'd had a private conversation in Chicago, and he'd kept his distance since, but still admired her from afar. As we walked down toward the Roman gates, he kept a careful twenty paces behind, trying to contemplate things besides White Hill's walk.

Inside the gate we stopped short, stunned in spite of knowing what to expect. It had a formal name, but everybody just called it Ossi, the Bones. An order of catholic clergy had spent more than two centuries building, by hand, a wall of bones completely around the city. It was twice the height of a man, varnished dark amber. There were repetitive patterns of femurs and rib cages and stacks of curving spines, and at eye level, a row of skulls, uninterrupted, kaymetra after kaymetra.

This was where we parted. Lo was determined to walk completely around the circle of death, and the other two went with him. White Hill and I could do it in our imagination. I still creaked from climbing the pyramid.

Prior to the ascent of Christianity here, they had huge spectacles, displays of martial skill where many of the participants were killed, for punishment of wrongdoing or just to entertain the masses. The two large amphitheatres where these displays went on were inside the Bones but not under the dome, so we

walked around them. The Circus Maximus had a terrible dignity to it, little more than a long depression in the ground with a few eroded monuments left standing. The size and age of it were enough; your mind's eye supplied the rest. The smaller one, the Colosseum, was overdone, with robots in period costumes and ferocious mechanical animals re-creating the old scenes, lots of too-bright blood spurting. Stones and bones would do.

I'd thought about spending another day outside, but the shelter's air-conditioning had failed, and it was literally uninhabitable. So I braced myself and headed for the torture chamber. But as White Hall had said, the purging was more bearable the second time. You know that it's going to end.

Rome inside was interesting, many ages of archaeology and history stacked around in no particular order. I enjoyed wandering from place to place with her, building a kind of organization out of the chaos. We were both more interested in inspiration than education, though, so I doubt that the three days we spent there left us with anything like a coherent picture of that tenacious empire and the millennia that followed it.

A long time later she would surprise me by reciting the names of the Roman emperors in order. She'd always had a trick memory, a talent for retaining trivia, ever since she was old enough to read. Growing up different that way must have been a factor in swaying her toward cognitive science.

We saw some ancient cinema and then returned to our quarters to pack for continuing on to Greece, which I was anticipating with pleasure. But it didn't happen. We had a message waiting: ALL MUST RETURN IMMEDIATELY TO AMAZONIA. CONTEST PROFOUNDLY CHANGED.

Lives, it turned out, profoundly changed. The war was back.

5

We met in a majestic amphitheater, the twenty-nine artists dwarfed by the size of it, huddled front row center. A few Amazonian officials sat behind a table on the stage, silent. They all looked detached, or stunned, brooding.

We hadn't been told anything except that it was a matter of "dire and immediate importance." We assumed it had to do with the contest, naturally, and were prepared for the worst: it had been called off; we had to go home.

The old crone Norita appeared. "We must confess to carelessness," she said. "The unseasonable warmth in both hemispheres, it isn't something that has happened, ever since the Sterilization. We looked for atmospheric causes here, and found something that seemed to explain it. But we didn't make the connection with what was happening in the other half of the world.

"It's not the atmosphere. It's the Sun. Somehow the Fwndyri have found a way to make its luminosity increase. It's been going on for half a year. If it continues, and we find no way to reverse it, the surface of the planet will be uninhabitable in a few years.

"I'm afraid that most of you are going to be stranded on Earth, at least for the time being. The Council of Worlds has exercised its emergency powers, and commandeered every vessel capable of interstellar transport. Those who have sufficient power or the proper connections will be able to escape. The rest will have to stay with us and face... whatever our fate is going to be."

I saw no reason not to be blunt. "Can money do it? How much would a ticket out cost?"

That would have been a gaffe on my planet, but Norita didn't blink. "I know for certain that two hundred million marks is not enough. I also know that some people have bought 'tickets,' as you say, but I don't know how much they paid, or to whom."

If I liquidated everything I owned, I might be able to come up with three hundred million, but I hadn't brought that kind of liquidity with me; just a box of rare jewelry, worth perhaps forty million. Most of my wealth was thirty-three years away, from the point of view of an Earth-bound investor. I could sign that over to someone, but by the time they got to Petros, the government or my family might have seized it, and they would have nothing save the prospect of a legal battle in a foreign culture.

Norita introduced Skylha Sygoda, an astrophysicist. He was pale and sweating. "We have analyzed the solar spectrum over the past six months. If I hadn't known that each spectrum was from the same star, I would have said it was a systematic and subtle demonstration of the microstages of stellar evolution in the late main sequence."

"Could you express that in some human language?" someone said.

Sygoda spread his hands. "They've found a way to age the Sun. In the normal course of things, we would expect the Sun to brighten about six percent each billion years. At the current rate, it's more like one percent per year."

"So in a hundred years," White Hill said, "it will be twice as bright?"

"If it continues at this rate. We don't know."

A stocky woman I recognized as Oona Something, from Jua-nguvi, wrestled with the language: "To how long, then? Before this Earth is uninhabitable?"

"Well, in point of fact, it's uninhabitable now, except for people like you. We could survive inside these domes for a long time, if it were just a matter of the outside getting hotter and hotter. For those of you able to withstand the nanophages, it will probably be too hot within a decade, here; longer near the poles. But the weather is likely to become very violent, too.

"And it may not be a matter of a simple increase in heat. In the case of normal evolution, the Sun would eventually expand, becoming a red giant. It would take many billions of years, but the Earth would not survive. The surface of the Sun would actually extend out to touch us.

"If the Fwndyri were speeding up time somehow, locally, and the Sun were actually evolving at this incredible rate, we would suffer that fate in about thirty years. But it would be impossible. They would have to have a way to magically extract the hydrogen from the Sun's core."

"Wait," I said. "You don't know what they're doing now, to make it brighten. I wouldn't say anything's impossible."

"Water Man," Norita said, "if that happens we shall simply die, all of us, at once. There is no need to plan for it. We do need to plan for less extreme exigencies." There was an uncomfortable silence.

"What can we do?" White Hill said. "We artists?"

"There's no reason not to continue with the project, though I think you may wish to do it inside. There's

no shortage of space. Are any of you trained in astrophysics, or anything having to do with stellar evolution and the like?" No one was. "You may still have some ideas that will be useful to the specialists. We will keep you informed."

Most of the artists stayed in Amazonia, for the amenities if not to avoid purging, but four of us went back to the outside habitat. Denli om Cord, the composer from Luxor, joined Lo and White Hill and me. We could have used the tunnel airlock, to avoid the midday heat, but Denli hadn't seen the beach, and I suppose we all had an impulse to see the sun with our new knowledge. In this new light, as they say.

White Hill and Denli went swimming while Lo and I poked around the ruins. We had since learned that the destruction here had been methodical, a grim resolve to leave the enemy nothing of value. Both of us were scouting for raw material, of course. After a short while we sat in the hot shade, wishing we had brought water.

We talked about that and about art. Not about the sun dying, or us dying, in a few decades. The women's laughter drifted to us over the rush of the muddy surf. There was a sad hysteria to it.

"Have you had sex with her?" he asked conversationally.

"What a question. No."

He tugged on his lip, staring out over the water. "I try to keep these things straight. It seems to me that you desire her, from the way you look at her, and she seems cordial to you, and is after all from Seldene. My interest is academic, of course."

"You've never done sex? I mean before."

"Of course, as a child." The implication of that was obvious.

"It becomes more complicated with practice."

"I suppose it could. Although Seldenians seem to treat it as casually as... conversation." He used the Seldenian word, which is the same as for intercourse.

"White Hill is reasonably sophisticated," I said. "She isn't bound by her culture's freedoms." The two women ran out of the water, arms around each other's waists, laughing. It was an interesting contrast; Denli was almost as large as me, and about as feminine. They saw us and waved toward the path bade through the ruins.

We got up to follow them. "I suppose I don't understand your restraint," Lo said. "Is it your own culture? Your age?"

"Not age. Perhaps my culture encourages self-control."

He laughed. "That's an understatement."

"Not that I'm a slave to Petrosian propriety. My work is outlawed in several states, at home."

"You're proud of that."

I shrugged. "It reflects on them, not me." We followed the women down the path, an interesting study in

contrasts, one pair nimble and naked except for a film of drying mud, the other pacing evenly in monkish robes. They were already showering when Lo and I entered the cool shelter, momentarily blinded by shade.

We made cool drinks and, after a quick shower, joined them in the communal bath. Lo was not anatomically different from a sexual male, which I found obscurely disturbing. Wouldn't it bother you to be constantly reminded of what you had lost? Renounced, I suppose Lo would say, and accuse me of being parochial about plumbing.

I had made the drinks with guava juice and ron, neither of which we have on Petros. A little too sweet, but pleasant. The alcohol loosened tongues.

Denli, regarded me with deep black eyes. "You're rich, Water Man. Are you rich enough to escape?"

"No. If I had brought all my money with me, perhaps."

"Some do," White Hill said. "I did."

"I would too," Lo said, "coming from Seldene. No offense intended."

"Wheels turn," she admitted. "Five or six new governments before I get back. Would have gotten back."

We were all silent for a long moment. "It's not real yet," White Hill said, her voice flat. "We're going to die here?"

"We were going to die somewhere," Denli said. "Maybe not so soon."

"And not on Earth," Lo said. "It's like a long preview of Hell." Denli looked at him quizzically. "That's where Christians go when they die. If they were bad."

"They send their bodies to Earth?" We managed not to smile. Actually, most of my people knew as little as hers, about Earth. Seldene and Luxor, though relatively poor, had centuries' more history than Petros, and kept closer ties to the central planet. The Home Planet, they would say. Homey as a blast furnace.

By tacit consensus, we didn't dwell on death any more that day. When artists get together they tend to wax enthusiastic about materials and tools, the mechanical lore of their trades. We talked about the ways we worked at home, the things we were able to bring with us, the improvisations we could effect with Earthling materials. (Critics talk about art, we say; artists talk about brushes.) Three other artists joined us, two sculptors and a weathershaper, and we all wound up in the large sunny studio drawing and painting. White Hill and I found sticks of charcoal and did studies of each other drawing each other.

While we were comparing them she quietly asked, "Do you sleep lightly?"

"I can. What did you have in mind?"

"Oh, looking at the ruins by starlight. The moon goes down about three. I thought we might watch it set together." Her expression was so open as to be enigmatic.

Two more artists had joined us by dinnertime, which proceeded with a kind of forced jollity. A lot of ron was consumed. White Hill cautioned me against overindulgence. They had the same liquor, called "rum," on Seldene, and it had a reputation for going down easily but causing storms. There was no legal distilled

liquor on my planet.

I had two drinks of it, and retired when people started singing in various languages. I did sleep lightly, though, and was almost awake when White Hill tapped. I could hear two or three people still up, murmuring in the bath. We slipped out quietly.

It was almost cool. The quarter-phase moon was near the horizon, a dim orange, but it gave us enough light to pick our way down the path. It was warmer in the ruins, the tumbled stone still radiating the day's heat. We walked through to the beach, where it was cooler again. White Hill spread the blanket she had brought and we stretched out and looked up at the stars.

As is always true with a new world, most of the constellations were familiar, with a few bright stars added or subtracted. Neither of our home stars was significant, as dim here as Earth's Sol is from home. She identified the brightest star overhead as AlphaKent; there was a brighter one on the horizon, but neither of us knew what it was.

We compared names of the constellations we recognized. Some of hers were the same as Earth's names, like Scorpio, which we call the Insect. It was about halfway up the sky, prominent, embedded in the galaxy's glow. We both call the brightest star there Antares. The Executioner, which had set perhaps an hour earlier, they call Orion. We had the same meaningless names for its brightest stars, Betelgeuse and Rigel.

"For a sculptor, you know a lot about astronomy," she said. "When I visited your city, there was too much light to see stars at night."

"You can see a few from my place. I'm out at Lake P†chl†, about a hundred kaymetras inland."

"I know. I called you."

"I wasn't home?"

"No; you were supposedly on ThetaKent."

"That's right, you told me. Our paths crossed in space. And you became that burgher's slave wife." I put my hand on her arm. "Sorry I forgot. A lot has gone on. Was he awful?"

She laughed into the darkness. "He offered me a lot to stay."

"I can imagine."

She half turned, one breast soft against my arm, and ran a finger up my leg. "Why tax your imagination?"

I wasn't especially in the mood, but my body was. The robes rustled off easily, their only virtue.

The moon was down now, and I could see only a dim outline of her in the starlight. It was strange to make love deprived of that sense. You would think the absence of it would amplify the others, but I can't say that it did, except that her heartbeat seemed very strong on the heel of my hand. Her breath was sweet with mint and the smell and taste of her body were agreeable; in fact, there was nothing about her body that I would have cared to change, inside or out, but nevertheless, our progress became difficult after a couple of minutes, and by mute agreement we slowed and stopped. We lay joined together for some time before she spoke.

"The timing is all wrong. I'm sorry." She drew her face across my arm and I felt tears. "I was just trying not to think about things."

"It's all right. The sand doesn't help, either." We had gotten a little bit inside, rubbing.

We talked for a while and then drowsed together. When the sky began to lighten, a hot wind from below the horizon woke us up. We went back to the shelter.

Everyone was asleep. We went to shower off the sand and she was amused to see my interest in her quicken. "Let's take that downstairs," she whispered, and I followed her down to her room.

The memory of the earlier incapability was there, but it was not greatly inhibiting. Being able to see her made the act more familiar, and besides she was very pleasant to see, from whatever angle. I was able to withhold myself only once, and so the interlude was shorter than either of us would have desired.

We slept together on her narrow bed. Or she slept, rather, while I watched the bar of sunlight grow on the opposite wall, and thought about how everything had changed.

They couldn't really say we had thirty years to live, since they had no idea what the enemy was doing. It might be three hundred; it might be less than one-but even with bodyswitch that was always true, as it was in the old days: sooner or later something would go wrong and you would die. That I might die at the same instant as ten thousand other people and a planet full of history-that was interesting. But as the room filled with light and I studied her quiet repose, I found her more interesting than that.

I was old enough to be immune to infatuation. Something deep had been growing since Egypt, maybe before. On top of the pyramid, the rising sun dim in the mist, we had sat with our shoulders touching, watching the ancient forms appear below, and I felt a surge of numinism mixed oddly with content. She looked at me-I could only see her eyes-and we didn't have to say anything about the moment.

And now this. I was sure, without words, that she would share this, too. Whatever "this" was. England's versatile language, like mine and hers, is strangely hobbled by having the one word, love, stand for such a multiplicity of feelings.

Perhaps that lack reveals a truth, that no one love is like any other. There are other truths that you might forget, or ignore, distracted by the growth of love. In Petrosian there is a saying in the palindromic mood that always carries a sardonic, or at least ironic, inflection: "Happiness presages disaster presages happiness." So if you die happy, it means you were happy when you died. Good timing or bad?

6

!Oona M'vua had a room next to White Hill, and she was glad to switch with me, an operation that took about three minutes but was good for a much longer period of talk among the other artists. Lo was smugly amused, which in my temporary generosity of spirit I forgave.

Once we were adjacent, we found the button that made the wall slide away, and pushed the two beds together under her window. I'm afraid we were antisocial for a couple of days. It had been some time since either of us had had a lover. And I had never had one like her, literally, out of the dozens. She said that was because I had never been involved with a Seldenian, and I tactfully agreed, banishing five perfectly good memdries to amnesia.

It's true that Seldenian women, and men as well, are better schooled than those of us from normal planets, in the techniques and subtleties of sexual expression. Part of "wholeness," which I suppose is a weak pun in English. It kept Lo, and not only him, from taking White Hill seriously as an artist: the fact that a Seldenian, to be "whole," must necessarily treat art as an everyday activity, usually subordinate to affairs of the heart, of the body. Or at least on the same level, which is the point.

The reality is that it is all one to them. What makes Seldenians so alien is that their need for balance in life dissolves hierarchy: this piece of art is valuable, and so is this orgasm, and so is this crumb of bread. The bread crumb connects to the artwork through the artist's metabolism, which connects to orgasm. Then through a fluid and automatic mixture of logic, metaphor, and rhetoric, the bread crumb links to soil, sunlight, nuclear fusion, the beginning and end of the universe. Any intelligent person can map out chains like that, but to White Hill it was automatic, drilled into her with her first nouns and verbs: Everything is important. Nothing matters. Change the world but stay relaxed.

I could never come around to her way of thinking. But then I was married for fifty Petrosian years to a woman who had stranger beliefs. (The marriage as a social contract actually lasted fifty-seven years; at the half-century mark we took a vacation from each other, and I never saw her again.) White Hill's worldview gave her an equanimity I had to envy. But my art needed unbalance and tension the way hers needed harmony and resolution.

By the fourth day most of the artists had joined us in the shelter. Maybe they grew tired of wandering through the bureaucracy. More likely, they were anxious about their competitors' progress.

White Hill was drawing designs on large sheets of buff paper and taping them up on our walls. She worked on her feet, bare feet, pacing from diagram to diagram, changing and rearranging. I worked directly inside a shaping box, an invention White Hill had heard of but had never seen. It's a cube of light a little less than a metra wide. Inside is an image of a sculpture-or a rock or a lump of clay-that you can feel as well as see. You can mold it with your hands or work with finer instruments for cutting, scraping, chipping. It records your progress constantly, so it's easy to take chances; you can always run it back to an earlier stage.

I spent a few hours every other day cruising in a flyer with Lo and a couple of other sculptors, looking for native materials. We were severely constrained by the decision to put the Memory Park inside, since everything we used had to be small enough to fit through the airlock and purging rooms. You could work with large pieces, but you would have to slice them up and reassemble them, the individual chunks no bigger than two by two by three metras.

We tried to stay congenial and fair during these expeditions. Ideally, you would spot a piece and we would land by it or hover over it long enough to tag it with your ID; in a day or two the robots would deliver it to your "holding area" outside the shelter. If more than one person wanted the piece, which happened as often as not, a decision had to be made before it was tagged. There was a lot of arguing and trading and Solomon-style splitting, which usually satisfied the requirements of something other than art.

The quality of light was changing for the worse. Earthling planetary engineers were spewing bright dust into the upper atmosphere, to reflect back solar heat. (They modified the nanophage-eating machinery for the purpose. That was also designed to fill the atmosphere full of dust, but at a lower level-and each grain of that dust had a tiny chemical brain.) It made the night sky progressively less interesting. I was glad White Hill had chosen to initiate our connection under the stars. It would be some time before we saw them again, if ever.

And it looked like "daylight" was going to be a uniform overcast for the duration of the contest. Without the dynamic of moving sunlight to continually change the appearance of my piece, I had to discard a whole family of first approaches to its design. I was starting to think along the lines of something irrational-looking; something the brain would reject as impossible. The way we mentally veer away from unthinkable things like the Sterilization, and our proximate future.

We had divided into two groups, and jokingly but seriously referred to one another as "originalists" and "realists." We originalists were continuing our projects on the basis of the charter's rules: a memorial to the tragedy and its aftermath, a stark sterile reminder in the midst of life. The realists took into account new developments, including the fact that there would probably never be any "midst of life" and, possibly, no audience, after thirty years.

I thought that was excessive. There was plenty of pathos in the original assignment. Adding another, impasto, layer of pathos along with irony and the artist's fear of personal death... well, we were doing art, not literature. I sincerely hoped their pieces would be fatally muddled by complexity.

If you asked White Hill which group she belonged to, she would of course say, "Both." I had no idea what form her project was going to take; we had agreed early on to surprise one another, and not impede each other with suggestions. I couldn't decipher even one-tenth of her diagrams. I speak Seldenian pretty well, but have never mastered the pictographs beyond the usual travelers' vocabulary. And much of what she was scribbling on the buff sheets of paper was in no language I recognized, an arcane technical symbology.

We talked about other things. Even about the future, as lovers will. Our most probable future was simultaneous death by fire, but it was calming and harmless to make "what if?" plans, in case our hosts somehow were able to find a way around that fate. We did have a choice of many possible futures, if we indeed had more than one. White Hill had never had access to wealth before. She didn't want to live lavishly, but the idea of being able to explore all the planets excited her.

Of course she had never tried living lavishly. I hoped one day to study her reaction to it, which would be strange. Out of the box of valuables I'd brought along, I gave her a necklace, a traditional beginning-love gift on Petros. It was a network of perfect emeralds and rubies laced in gold.

She examined it closely. "How much is this worth?"

"A million marks, more or less." She started to hand it back. "Please keep it. Money has no value here, no meaning."

She was at a loss for words, which was rare enough. "I understand the gesture. But you can't expect me to value this the way you do."

"I wouldn't expect that."

"Suppose I lose it? I might just set it down somewhere."

"I know. I'll still have given it to you."

She nodded and laughed. "All right. You people are strange." She slipped the necklace on, still latched, wiggling it over her ears. The colors glowed warm and cold against her olive skin.

She kissed me, a feather, and rushed out of our room wordlessly. She passed right by a mirror without

looking at it.

After a couple of hours I went to find her. Lo said he'd seen her go out the door with a lot of water. At the beach I found her footprints marching straight west to the horizon.

She was gone for two days. I was working outside when she came back, wearing nothing but the necklace. There was another necklace in her hand: she had cut off her right braid and interwoven a complex pattern of gold and silver wire into a closed loop. She slipped it over my head and pecked me on the lips and headed for the shelter. When I started to follow she stopped me with a tired gesture. "Let me sleep, eat, wash." Her voice was a hoarse whisper. "Come to me after dark."

I sat down, leaning back against a good rock, and thought about very little, touching her braid and smelling it. When it was too dark to see my feet, I went in, and she was waiting.

7

I spent a lot of time outside, at least in the early morning and late afternoon, studying my accumulation of rocks and ruins. I had images of every piece in my shaping box's memory, but it was easier to visualize some aspects of the project if I could walk around the elements and touch them.

Inspiration is where you find it. We'd played with an orrery in the museum in Rome, a miniature solar system that had been built of clock-work centuries before the Information Age. There was a wistful, humorous, kind of comfort in its jerky regularity.

My mental processes always turn things inside out. Find the terror and hopelessness in that comfort. I had in mind a massive but delicately balanced assemblage that would be viewed by small groups; their presence would cause it to teeter and turn ponderously. It would seem both fragile and huge (though of course the fragility would be an illusion), like the ecosystem that the Fwndyri so abruptly destroyed.

The assemblage would be mounted in such a way that it would seem always in danger of toppling off its base, but hidden weights would make that impossible. The sound of the rolling weights ought to produce a nice anxiety. Whenever a part tapped the floor, the tap would be amplified into a hollow boom.

If the viewers stood absolutely still, it would swing to a halt. As they left, they would disturb it again. I hoped it would disturb them as well.

The large technical problem was measuring the distribution of mass in each of my motley pieces. That would have been easy at home; I could rent a magnetic resonance densitometer to map their insides. There was no such thing on this planet (so rich in things I had no use for!), so I had to make do with a pair of robots and a knife edge. And then start hollowing the pieces out asymmetrically, so that once set in motion, the assemblage would tend to rotate.

I had a large number of rocks and artifacts to choose from, and was tempted to use no unifying principle at all, other than the unstable balance of the thing. Boulders and pieces of old statues and fossil machinery. The models I made of such a random collection were ambiguous, though. It was hard to tell whether they would look ominous or ludicrous, built to scale. A symbol of helplessness before an implacable enemy? Or a lurching, crashing junkpile? I decided to take a reasonably conservative approach, dignity rather than daring. After all, the audience would be Earthlings and, if the planet survived, tourists with more money than sophistication. Not my usual jury.

I was able to scavenge twenty long bars of shiny black monofiber, which would be the spokes of my

irregular wheel. That would give it some unity of composition: make a cross with four similar chunks of granite at the ordinal points, and a larger chunk at the center. Then build up a web inside, monofiber lines linking bits of this and that.

Some of the people were moving their materials inside Amazonia, to work in the area marked off for the park. White Hill and I decided to stay outside. She said her project was portable, at this stage, and mine would be easy to disassemble and move.

After a couple of weeks, only fifteen artists remained with the project, inside Amazonia or out in the shelter. The others had either quit, surrendering to the passive depression that seemed to be Earth's new norm, or, in one case, committed suicide. The two from Wolf and Mijhøven opted for coldsleep, which might be deferred suicide. About one person in three slept through it; one in three came out with some kind of treatable mental disorder. The others went mad and died soon after reawakening, unable or unwilling to live.

Coldsleep wasn't done on Petros, although some Petrosians went to other worlds to indulge in it as a risky kind of time travel. Sleep until whatever's wrong with the world has changed. Some people even did it for financial speculation: buy up objects of art or antiques, and sleep for a century or more while their value increases. Of course their value might not increase significantly, or they might be stolen or coopted by family or government.

But if you can make enough money to buy a ticket to another planet, why not hold off until you had enough to go to a reallydistant one? Let time dilation compress the years. I could make a triangle from Petros to Skaal to Mijhøven and back, and more than 120 years would pass, while I lived through only three, with no danger to my mind. And I could take my objects of art along with me.

White Hill had worked with coldsleep veterans, or victims. None of them had been motivated by profit, given her planet's institutionalized antimaterialism, so most of them had been suffering from some psychological ill before they slept. It was rare for them to come out of the "treatment" improved, but they did come into a world where people like White Hill could at least attend them in their madness, perhaps guide them out.

I'd been to three times as many worlds as she. But she had been to stranger places.

8

The terraformers did their job too well. The days grew cooler and cooler, and some nights snow fell. The snow on the ground persisted into mornings for a while, and then through noon, and finally it began to pile up. Those of us who wanted to work outside had to improvise cold-weather clothing.

I liked working in the cold, although all I did was direct robots. I grew up in a small town south of New Haven, where winter was long and intense. At some level I associated snow and ice with the exciting pleasures that waited for us after school. I was to have my fill of it, though.

It was obvious I had to work fast, faster than I'd originally planned, because of the increasing cold. I wanted to have everything put together and working before I disassembled it and pushed it through the airlock. The robots weren't made for cold weather, unfortunately. They had bad traction on the ice and sometimes their joints would seize up. One of them complained constantly, but of course it was the best worker, too, so I couldn't just turn it off and let it disappear under the drifts, an idea that tempted me.

White Hill often came out for a few minutes to stand and watch me and the robots struggle with the icy

heavy boulders, machinery, and statuary. We took walks along the seashore that became shorter as the weather worsened. The last walk was a disaster.

We had just gotten to the beach when a sudden storm came up with a sandblast wind so violent that it blew us off our feet. We crawled back to the partial protection of the ruins and huddled together, the wind screaming so loudly that we had to shout to hear each other. The storm continued to mount and, in our terror, we decided to run for the shelter. White Hill slipped on some ice and suffered a horrible injury, a jagged piece of metal slashing her face diagonally from forehead to chin, blinding her left eye and tearing off part of her nose. Pearly bone showed through, cracked, at eyebrow, cheek, and chin. She rose up to one elbow and fell slack.

I carried her the rest of the way, immensely glad for the physical strength that made it possible. By the time we got inside she was unconscious and my white coat was a scarlet flag of blood.

A plastic-clad doctor came through immediately and did what she could to get White Hill out of immediate danger. But there was a problem with more sophisticated treatment. They couldn't bring the equipment out to our shelter, and White Hill wouldn't survive the stress of purging unless she had had a chance to heal for a while. Besides the facial wound, she had a broken elbow and collarbone and two cracked ribs.

For a week or so she was always in pain or numb. I sat with her, numb myself, her face a terrible puffed caricature of its former beauty, the wound glued up with plaskin the color of putty. Split skin of her eyelid slack over the empty socket.

The mirror wasn't visible from her bed, and she didn't ask for one, but whenever I looked away from her, her working hand came up to touch and catalogue the damage. We both knew how fortunate she was to be alive at all, and especially in an era and situation where the damage could all be repaired, given time and a little luck. But it was still a terrible thing to live with, an awful memory to keep reliving.

When she was more herself, able to talk through her ripped and pasted mouth, it was difficult for me to keep my composure. She had considerable philosophical, I suppose you could say spiritual, resources, but she was so profoundly stunned that she couldn't follow a line of reasoning very far, and usually wound up sobbing in frustration.

Sometimes I cried with her, although Petrosian men don't cry except in response to music. I had been a soldier once and had seen my ration of injury and death, and I always felt the experience had hardened me, to my detriment. But my friends who had been wounded or killed were just friends, and all of us lived then with the certainty that every day could be anybody's last one. To have the woman you love senselessly mutilated by an accident of weather was emotionally more arduous than losing a dozen companions to the steady erosion of war, a different kind of weather.

I asked her whether she wanted to forget our earlier agreement and talk about our projects. She said no; she was still working on hers, in a way, and she still wanted it to be a surprise. I did manage to distract her, playing with the shaping box. We made cartoonish representations of Lo and old Norita, and combined them in impossible sexual geometries. We shared a limited kind of sex ourselves, finally.

The doctor pronounced her well enough to be taken apart, and both of us were scourged and reappeared on the other side. White Hill was already in surgery when I woke up; there had been no reason to revive her before beginning the restorative processes.

I spent two days wandering through the blandness of Amazonia, jungle laced through concrete,

quartering the huge place on foot. Most areas seemed catatonic. A few were boisterous with end-of-the-world hysteria. I checked on her progress so often that they eventually assigned a robot to call me up every hour, whether or not there was any change.

On the third day I was allowed to see her, in her sleep. She was pale but seemed completely restored. I watched her for an hour, perhaps more, when her eyes suddenly opened. The new one was blue, not green, for some reason. She didn't focus on me.

"Dreams feed art," she whispered in Petrosian; "and art feeds dreams." She closed her eyes and slept again.

9

She didn't want to go back out. She had lived all her life in the tropics, even the year she spent in bondage, and the idea of returning to the ice that had slashed her was more than repugnant. Inside Amazonia it was always summer, now, the authorities trying to keep everyone happy with heat and light and jungle flowers.

I went back out to gather her things. Ten large sheets of buff paper I unstuck from our walls and stacked and rolled. The necklace, and the satchel of rare coins she had brought from Seldene, all her worldly wealth.

I considered wrapping up my own project, giving the robots instructions for its dismantling and transport, so that I could just go back inside with her and stay. But that would be chancy. I wanted to see the thing work once before I took it apart.

So I went through the purging again, although it wasn't strictly necessary; I could have sent her things through without hand-carrying them. But I wanted to make sure she was on her feet before I left her for several weeks.

She was not on her feet, but she was dancing. When I recovered from the purging, which now took only half a day, I went to her hospital room and they referred me to our new quarters, a three-room dwelling in a place called Plaza de Artistes. There were two beds in the bedroom, one a fancy medical one, but that was worlds better than trying to find privacy in a hospital.

There was a note floating in the air over the bed saying she had gone to a party in the common room. I found her in a gossamer wheelchair, teaching a hand dance to Denli om Cord, while a harpist and flautist from two different worlds tried to settle on a mutual key.

She was in good spirits. Denli remembered an engagement and I wheeled White Hill out onto a balcony that overlooked a lake full of sleeping birds, some perhaps real.

It was hot outside, always hot. There was a mist of perspiration on her face, partly from the light exercise of the dance, I supposed. In the light from below, the mist gave her face a sculpted appearance, unsparing sharpness, and there was no sign left of the surgery.

"I'll be out of the chair tomorrow," she said, "at least ten minutes at a time." She laughed, "Stopthat!"

"Stop what?"

"Looking at me like that."

I was still staring at her face. "It's just... I suppose it's such a relief."

"I know." She rubbed my hand. "They showed me pictures, of before. You looked at that for so many days?"

"I saw you."

She pressed my hand to her face. The new skin was taut but soft, like a baby's. "Take me downstairs?"

10

It's hard to describe, especially in light of later developments, disintegrations, but that night of fragile lovemaking marked a permanent change in the way we linked, or at least the way I was linked to her: I've been married twice, long and short, and have been in some kind of love a hundred times. But no woman has ever owned me before.

This is something we do to ourselves. I've had enough women who tried to possess me, but always was able to back or circle away, in literal preservation of self. I always felt that life was too long for one woman.

Certainly part of it is that life is not so long anymore. A larger part of it was the run through the screaming storm, her life streaming out of her, and my stewardship, or at least companionship, afterward, during her slow transformation back into health and physical beauty. The core of her had never changed, though, the stubborn serenity that I came to realize, that warm night, had finally infected me as well.

The bed was a firm narrow slab, cooler than the dark air heavy with the scent of Earth flowers. I helped her onto the bed (which instantly conformed to her) but from then on it was she who cared for me, saying that was all she wanted, all she really had strength for. When I tried to reverse that, she reminded me of a holiday palindrome that has sexual overtones in both our languages: Giving is taking is giving.

11

We spent a couple of weeks as close as two people can be. I was her lover and also her nurse, as she slowly strengthened. When she was able to spend most of her day in normal pursuits, free of the wheelchair or "intelligent" bed (with which we had made a threesome, at times uneasy), she urged me to go back outside and finish up. She was ready to concentrate on her own project, too. Impatient to do art again, a good sign.

I would not have left so soon if I had known what her project involved. But that might not have changed anything.

As soon as I stepped outside, I knew it was going to take longer than planned. I had known from the inside monitors how cold it was going to be, and how many ceemetras of ice had accumulated, but I didn't really know how bad it was until I was standing there, looking at my piles of materials locked in opaque glaze. A good thing I'd left the robots inside the shelter, and a good thing I had left a few hand tools outside. The door was buried under two metras of snow and ice. I sculpted myself a passageway, an application of artistic skills I'd never foreseen.

I debated calling White Hill and telling her that I would be longer than expected. We had agreed not to interrupt each other, though, and it was likely she'd started working as soon as I left.

The robots were like a bad comedy team, but I could only be amused by them for an hour or so at a time. It was so cold that the water vapor from my breath froze into an icy sheath on my beard and mustache. Breathing was painful; deep breathing probably dangerous.

So most of the time, I monitored them from inside the shelter. I had the place to myself; everyone else long since gone into the dome. When I wasn't working I drank too much, something I had not done regularly in centuries.

It was obvious that I wasn't going to make a working model. Delicate balance was impossible in the shifting gale. But the robots and I had our hands full, and other gasping appendages engaged, just dismantling the various pieces and moving them through the lock. It was unexciting but painstaking work. We did all the laser cuts inside the shelter, allowing the rock to come up to room temperature so it didn't spall or shatter. The air-conditioning wasn't quite equal to the challenge, and neither were the cleaning robots, so after a while it was like living in a foundry: everywhere a kind of greasy slickness of rock dust, the air dry and metallic.

So it was with no regret that I followed the last slice into the airlock myself, even looking forward to the scourging if White Hill was on the other side.

She wasn't. A number of other people were missing, too. She left this note behind:

I knew from the day we were called back here what my new piece would have to be, and I knew I had to keep it from you, to spare you sadness. And to save you the frustration of trying to talk me out of it.

As you may know by now, scientists have determined that the Fwndyri indeed have sped up the Sun's evolution somehow. It will continue to warm, until in thirty or forty years there will be an explosion called the "helium flash." The Sun will become a red giant, and the Earth will be incinerated.

There are no starships left, but there is one avenue of escape. A kind of escape.

Parked in high orbit there is a huge interplanetary transport that was used in the terraforming of Mars. It's a couple of centuries older than you, but like yourself it has been excellently preserved. We are going to ride it out to a distance sufficient to survive the Sun's catastrophe, and there remain until the situation improves, or does not.

This is where I enter the picture. For our survival to be meaningful in this thousand-year war, we have to resort to coldsleep. And for a large number of people to survive centuries of coldsleep, they need my jaturnary skills. Alone, in the ice, they would go slowly mad. Connected through the matrix of my mind, they will have a sense of community, and may come out of it intact.

I will be gone, of course. I will be by the time you read this. Not dead, but immersed in service. I could not be revived if this were only a hundred people for a hundred days. This will be a thousand, perhaps for a thousand years.

No one else on Earth can do jaturnary, and there is neither time nor equipment for me to transfer my ability to anyone. Even if there were, I'm not sure I would trust anyone else's skill. So I am gone.

My only loss is losing you. Do I have to elaborate on that?

You can come if you want. In order to use the transport, I had to agree that the survivors be chosen in

accordance with the Earth's strict class system-starting with dear Norita, and from that pinnacle, on down-but they were willing to make exceptions for all of the visiting artists. You have until mid-Deциembre to decide; the ship leaves Januar first.

If I know you at all, I know you would rather stay behind and die. Perhaps the prospect of living "in" me could move you past your fear of coldsleep; your aversion to jaturnary. If not, not.

I love you more than life. But this is more than that. Are we what we are?

W. H.

The last sentence is a palindrome in her language, not mine, that I believe has some significance beyond the obvious.

12

I did think about it for some time. Weighing a quick death, or even a slow one, against spending centuries locked frozen in a tiny room with Norita and her ilk. Chattering on at the speed of synapse, and me unable to not listen.

I have always valued quiet, and the eternity of it that I face is no more dreadful than the eternity of quiet that preceded my birth.

If White Hill were to be at the other end of those centuries of torture, I know I could tolerate the excruciation. But she was dead now, at least in the sense that I would never see her again.

Another woman might have tried to give me a false hope, the possibility that in some remote future the process of jaturnary would be advanced to the point where her personality could be recovered. But she knew how unlikely that would be even if teams of scientists could be found to work on it, and years could be found for them to work in. It would be like unscrambling an egg.

Maybe I would even do it, though, if there were just some chance that, when I was released from that din of garrulous bondage, there would be something like a real world, a world where I could function as an artist. But I don't think there will even be a world where I can function as a man.

There probably won't be any humanity at all, soon enough. What they did to the Sun they could do to all of our stars, one assumes. They win the war, the Extermination, as my parent called it. Wrong side exterminated.

Of course the Fwndyri might not find White Hill and her charges. Even if they do find them, they might leave them preserved as an object of study.

The prospect of living on eternally under those circumstances, even if there were some growth to compensate for the immobility and the company, holds no appeal.

13

What I did in the time remaining before mid-Deциembre was write this account. Then I had it translated by a xenolinguist into a form that she said could be decoded by any creature sufficiently similar to humanity to make any sense of the story. Even the Fwndyri, perhaps. They're human enough to want to wipe out a competing species.

I'm looking at the preliminary sheets now, English down the left side and a jumble of dots, squares, and triangles down the right. Both sides would have looked equally strange to me a few years ago.

White Hill's story will be conjoined to a standard book that starts out with basic mathematical principles, in dots and squares and triangles, and moves from that into physics, chemistry, biology. Can you go from biology to the human heart? I have to hope so. If this is read by alien eyes, long after the last human breath is stilled, I hope it's not utter gibberish.

14

So I will take this final sheet down to the translator and then deliver the whole thing to the woman who is going to transfer it to permanent sheets of platinum, which will be put in a prominent place aboard the transport. They could last a million years, or ten million, or more. After the Sun is a cinder, and the ship is a frozen block enclosing a thousand bits of frozen flesh, she will live on in this small way.

So now my work is done. I'm going outside, to the quiet.

The End

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