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- 4: THE MAN WITH NO FRIENDS
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- 6: EARTHBOUND
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Castellon (President)

Eric Burgess (Captain, Brasilia)

Ricardo Diaz (Copilot, Brasilia)

Correro (Psychologist & Missions Specialist, Brasilia)

UMAF personnel:

Resa Mansur

Hassan Ali Hoveida

Falling Angels Enterprises personnel:

Fleming (President)

Miss Ellinshaw (Air Quality Control)

Janet De Camp (Pilot, Anansi)

Thomas De Camp (Ion drive technician, Gabriel)

Mrs. Kelly (Fleming's personal secretary)

Marion Guinness (Copilot, Anansi)

Dr. Dexter Stonecypher (Metallurgist)

Tim Connors (Ion drive technician and pilot, Michael)

Oyama Construction personnel:

Takayuki Yamada

Retsudo Oyama

The Brazil Techimetal-Electromotores building was the second tallest in all of Sao Paulo, a glistening golden spire that sprouted from a cluster of drab five-story structures, an egotistical giant among dwarves.

Xavier parked his Mercedes in the underground parking structure, and took Yamada up to the thirty-first floor in a public elevator. There they changed to a security elevator.

Jorge Xavier stood perfectly erect, and nearly a foot taller than his companion. His face was dark, his hair thick and fluffy and prematurely white; he was altogether a tailor's dream. Now his generous mouth was drawn into a slender line, his brows wrinkled in concentration. He asked-in English; he had learned that Yamada's Portuguese was poor - "You are sure of the amount?"

"Absolutely. Oyama Construction wants the cable at all costs. The Trans-Korea bridge will make their reputation."

Xavier slammed the edge of his palm into the elevator wall, swearing in Portuguese. "I know, I know. It is why we must have it. With the Stonecypher Cable in our hands, we can force Oyama construction into a merger. Such a merger would combine the raw materials and manpower available to BTE with the technical resources and world respectability of Oyama Construction. With terms favorable to both sides, such a merger

them to the fifty-fourth floor. Yamada stepped out and smiled reflexively at the pleasant softness of the carpet. He said, "And you do?"

"I would not have brought you here otherwise. I, and a few others in my company, we have the heart. We are young, and strong. We will gamble."

Yamada wondered, too late, if it had been wise to betray Oyama Construction to this man. He was suddenly very aware of what he himself was gambling. Income, reputation, honor, freedom...if he lost.

The BTE executive suite was as luxurious as practicality would allow. Muted music flowed from the inner walls, and many of the outer walls were gold-tinted plastic. The tinting reduced the glare without obstructing the view of the city. It was a view worthy of appreciation, a vista of silver and red buildings sparkling in the sun almost as far as the eye could see.

The receptionist was alert and smiling a greeting as the elevator door slid open. "Boa tarde, Senhor Xavier."

"Boa tarde, Luisa. Apresento-lhe o Senhor..." he turned to Yamada apologetically.

"Excuse me. Luisa, this is Mr. Yamada. We will be in conference. Call Mr. da Silva, Mr. Costa, and Mr. Giorgi. Have them come to my office. Obrigado. Mr. Yamada? This way, please."

Xavier led the slender Oriental down the hallway and steered him around a right corner. This corridor ended in a huge oak-panelled door with

short glass of ice and clear liquid garnished with a twisted slice of lime.

He sat across from Yamada, sipped his drink and gazed at him speculatively. Yamada felt naked, stripped to the skin and then flensed to the bone. Xavier probed and examined and weighed, finally laying the meat and organs back in place, slipping the skin back onto the body.

No Japanese would have stared so. The room's silence was oppressive, and Yamada fought to escape that gaze, to break contact with those bottomless black eyes. He found a painting to look at, a garish thing of oranges and blacks. Concentric rings of color surrounded plastic bubbles that rose inches out from the canvas, sprays of yellow arcing through the black background like comets through space.

A name clicked in his mind. "This is your Mr. Castellar's work, is it not?"

Xavier smiled, some of the coolness leaving his face. "Yes. You know our painters? He was one of the finest. Emilio Castellar dreamed of space when much of our country was trying merely to enter the industrial age. A man of vision."

The office door opened, and two men entered, followed a moment later by a third. One of them was Xavier's height, a fraction over six feet, but heavy in the stomach and thighs. He nodded without speaking. Xavier filled the silence. "This is Mr. da Silva. Edson da Silva."

Giorgi was as tall as da Silva, but much thinner. His eyes were hollow, and the skin on his face was stretched taut over the bones, as if a long illness had stripped away the fat. Giorgi nodded with satisfaction and spoke with excellent, though accented, English. "I see that news of my accident precedes me."

"We were interested in your work on the Parana Dam project. Of course, when the scaffolding collapsed, we knew that the famous Giorgi had been the only survivor."

"I am perhaps too old to continue on-site inspections."

"If this project is as successful as we hope, we will definitely desire your expertise." They shook hands, and all five men were seated.

There was a moment of uncomfortable tension. Then Xavier cleared his throat and slapped his palms on the table. "Well, Mr. Yamada. If you would be so kind as to share your information with us."

"Certainly." All hesitation had left him now. He swung his briefcase up to the table and dialed its five-digit combination. There was a sharp click, and Yamada eased it open and removed a thin folder of papers. He locked the case and set it on the floor.

Yamada thumbed through the folder, talking to himself in barely audible Japanese. "Ah, yes. I trust that I do not have to fill you three gentlemen,"

that it is much stronger than Kevlar, at least ten or twenty times stronger."

His eyes slid over a page and a half of notes. "Suffice it to say that the ... ah ... delicate situation existing between America's National Aeronautics and Space Administration and Falling Angel Enterprises has severely limited buyers for the cable."

Da Silva nodded enthusiastically. "This is true. Pressure from the U. S. of A. has caused four nations to drop out of the bidding, Great Britain just this morning."

"Saving face," Costa laughed. "They knew they would be outbid. Quitting now earns them a few points in the eyes of the Americans." There was a twist on the word "American," as if he was sharing a private joke. "No. We and the Japanese are the only ones remaining in the bidding."

"I think that I can guarantee, that Oyama Construction will win the bid. The Bridge project is entirely too important."

Xavier caught his breath. "How high is Oyama going?"

"One hundred and eighty million dollars."

There was a hiss of exhaled breath, and \* Costa cursed vividly. "He's insane. . ."

"No," Xavier said, his voice a solid weight in the room. "It is one of a kind. A thousand miles of the strongest cable even produced by man. An option on the next five thousand to be produced. Oyama is taking the kind

The five men looked at each other, saying nothing. Costa watched Xavier carefully, watched him turn to Giorgi and measure his words before speaking. "Lucio. In your opinion, how important is that cable to the construction of the Japan-South Korea bridge?"

Giorgi's hollow, pale face took on some color as he sat forward, fingers twining animatedly. "Mr. Da Silva will correct me if I am wrong, but Oyama Construction is overextended financially. If the project is successful, Oyama will be in an exceedingly advantageous position. If it fails, or if the Bridge goes disastrously over budget, they will be in considerable difficulty. Certainly the present administration of the company would undergo considerable upheaval. Therefore, they need the cable. Even at the cost of one hundred and eighty million dollars, it is cheap. They will save money, time, and establish a permanent advertisement for their most advanced engineering techniques. Oh, yes, they need it. Oh, yes."

Xavier's eyes were cold and calm. "Well, then. If it is certain that Oyama needs the Cable, then we can proceed with Phase Two. Again, Mr. Yamada?"

The Japanese swallowed, stepping over the edge of a mental cliff, trusting that there was water at the base. "I can supply you with course data for the Space Shuttle Anansi. With this information, you will know where the vehicle is during every second of its descent to Kwanto



"Ready and eager. It has been a dry time for them, and a headline of such magnitude will do much to revitalize the organization."

"I try never to denigrate our...allies... but one would think that these people would forget the Zionites and find themselves another war. It has been sixty years."

Costa laughed loudly, the laughter dimming to chuckles, then a private smile as no one else joined in. Xavier drummed his fingers on the table. He said, "It is a holy war. Soldiers in a holy war win or die. They do not seek new wars. Mr. da Silva?"

"As of today, for a short operation, I believe that we can divert nearly eight million dollars from the central computer without any danger until the July audit." Da Silva twisted slightly in his chair and wiped a thin sheen of perspiration from his forehead. Yamada noted that it wasn't warm in the conference room.

"Today is November the Seventeenth. That gives us almost seven months. By that time, it will all be over, one way on the other. Well, gentlemen...there is the gamble: Disgrace and prosecution, or control of Brasil Tecimetal-Electromotores."

Again, there was no sound in the room, except for the subdued hum of the air conditioner. Then Giorgi cleared his throat and spoke. "I myself have always been a gambling man."



"Look at these people. Most of them don't want to be here, either. They just want it to be over, one way or the other. We need you here, Tommy."

He looked down at their locked hands, her pale fingers forming a crisscross pattern against his dark brown skin, and sighed, knowing she was right. Someone had to be here, someone who cared. He just wished that it didn't have to be him. Janet pressed his hand again, then released it. Her ice-blue eyes were alive with eagerness, and the contrast to his own feelings was as marked as their physical contrast: her Nordic blood against his African and Oriental features, her five foot eight against his five and a half. The differences went deeper, deeper than he wanted to think about now.

A circular magnification screen glowed at one end of the Space Shuttle external tank that served as a meeting hall. Nobody had used chairs for free fall since Skylab. The hundred and fifty foot tank was a maze of netting. One hundred and eighty barefoot audience members clung to the lines by fingers and toes, like flies in a spiderweb, with this one difference: their feet all pointed in one direction, a tacitly agreed-upon "down."

The magnification screen was still blank: Fleming, the head of Falling Angel Enterprises, had yet to mount the podium.

There was a trickle of excitement from the back of the meeting hall, and De Camp turned his head in time to see Fleming and one of his aides

A tension-easing chuckle warmed the room as Fleming inserted a cartridge into the podium and flashed through his notes. A brawny Solar Satellite tech in front of the De Camps unhooked his fingers from the web and stretched his arms. "This isn't going to be good," he said to no one in particular. "Fleming is smiling."

"Give him a chance," Thomas said, before he realized he was speaking aloud. The tech turned and looked at him with a bemused smile.

Fleming took his usual position at the mike, hands braced at the side of the podium, pulling down to make his own gravity. "Can all of you hear me? Good, good." He arched his back, and long muscles flexed. He spent more time in the centrifugal gravity of the administrative offices than anyone in Falling Angel. He looked every inch the patriarch, and the fatigue lines in his face only strengthened the image. "Well, I have just finished a short conversation with our friends in NASA." He let the ripple of laughter run its course. "Not totally to my surprise, they still refuse to deal with us. I believe that the most popular term being applied to us is 'lunatic pirates.'"

A thin woman-her name escaped Thomas, although he knew she worked in Air Quality- raised her hand. "And why shouldn't they call us pirates?" she asked testily. "Everything that we have up here was paid for by the taxpayers of the United States. As far as they're concerned, we're robbing them."

tightly, little muscles at the hinge of the jaw twitching. He had risked health and reputation to build Falling Angel from a single spacecraft in close orbit around the Moon, to a collection of clumped space junk, to one of the finest laboratory complexes in the world. He had supervised the expansion personally, scuffling and battling every inch of the way with the Earthlocked NASA honchos. Balding now, eyes weakened from long hours pouring over computer displays, Fleming had personally suited up and led rescue operations, supervised the construction of the big mass driver in Mare Crisium, and for the past twelve years had poured his life and organizational genius into Falling Angel. At another time, this same roomful of people might have soberly discussed spacing Ellenshaw for those words.

Today, there was merely a whisper of assent.

"Stealing?" Fleming asked softly. "I think not. In the twelve years that Falling Angel has been in existence, we have repaid the original investment in our facility one and one half times. Adjusting for inflation and interest on the original 'loan,' it is arguable that we still owe the United States a few million dollars. Believe me-every effort will be made to set this right. The truth of the situation is that unless we are freed from the present crippling bureaucracy, we will soon be unable to operate at all.

finding it difficult to watch. "And like so many other noble efforts, so many other dreams, one day we'll all pack up and go home."

Fleming gripped the side of the lectern and leaned forward, anger alive in his voice. "I'm an old man, and I've given my life to Falling Angel and the technology that build her. I'm too damned old to start over, and too damned mean to take this thing gracefully. We're going to show the American people that we can survive as a business, that we can make money-for them. If we can't appeal to their hearts, we'll try their wallets, but we're not going to lose. We need things that only Earth has, and Earth needs things that only we can make. We're Americans here, but we're something else, too. We're the future. If America doesn't believe in her future anymore, then maybe it's up to us to show her we're not dead yet."

At least half of the audience applauded loudly as Fleming pushed himself back from the podium and scanned them. Janet De Camp whispered to her husband: "Round one for the Good Guys."

The floor was opened for discussion, and controversy raged. Could Falling Angel truly survive as an independent? Could NASA or the American military retaliate?

The second question Fleming answered immediately. "If you ask that, you don't understand the situation. We aren't sitting on top of a diamond mine up here. At present we are considered a marginal enterprise. While

That voter is fairly rare, and he's on our side anyway, and what does he see? A junkyard of expended Shuttle main tanks. Hardly something worth fighting over. What else? A fleet of six antiquated Space Shuttles, two of which NASA has already confiscated because they were on the ground, and three cesium-fueled ion drive tugs capable of moving them between Earth and Lunar orbit."

There were a few more minutes of talk, then Ellinshaw raised her hand and stood again. "Mr. Fleming," she said, "I move that we put this to a vote now."

He nodded. "All right. Seconded?"

The silence lasted too long for Thomas' comfort, and he raised a stocky arm. "Seconded."

"Then a vote it is. All in favor of independence for Falling Angel?"

For an instant there was no movement in the room, then hands began to rise like sprouted seedlings, until just under half of the personnel had raised their arms. There was a quick count.

"Opposed?"

Fleming's assistant counted again, and handed her tally up to the administrator. He looked it over with a neutral expression. Janet's face flattened with dismay. "We lost." She sounded numb.

"Wait. It's not over yet."

arrangements to ferry you back. This will relieve you of any fear of prosecution. Those of you who stay, well, I hope you know how badly we need each and every one of you, now more than ever. Let it be a matter between you and your conscience. Just remember-it's your future we're fighting for."

Fleming left the lectern to scattered applause, much of the audience already divided into percolating knots of controversy.

Thomas turned to his wife, unhooking fingers and toes from the net. "Well, that's that."

"We did it, Tommy." She grinned broadly. "Look at this. Are you sure you don't want to stick around? You won't find action like this out in the Belt." Her smile was a mask, her voice part wheedle and part sorrowful acceptance.

"I need quiet. Makes it easier to do the job. Anyway, I'll be wherever the ion drives are. I've done my part here."

Their eyes met and locked, and Janet tore hers away first. She tugged at him as he launched himself towards the safety line. "See you for dinner?"

There was quiet humor in the dark mongol face, humor that rose to a smile. "Sure. I'll be in the shop if you need me."





married to one of the solar engineers. Bright, competent, and fiercely loyal to Falling Angel Enterprises. But she never moved quickly enough for Fleming's taste. After more than thirty months at the facility, she still wasn't used to zero gravity. No problems with it, in fact just the opposite.

Unless there was a specific demand for speed she seemed to linger over each separate movement, savoring it.

She had buckled herself in and sealed the door. Fleming broke anchor manually and they floated away, accelerating.

The universe was silence and razor-edged shadow as they cruised along the sprawling structure of Falling Angel. A score of Shuttle external tanks were splayed out in orbit around the Moon, serving as a basis for the industrial complexes that served the needs of America, the Soviet Union, and the European Combine.

Suddenly Fleming's crow's-feet squeezed flat, and he pointed at a dimly lit rounded object, like a water smoothed rock equipped with tailfins. "Notation, Kelly. Find out why Strickland still has men working on the cable re-entry package. I was told it was ready to go."

She nodded, scribbling, glad that he had broken the silence. "What do you think about the meeting?" They were passing through a cluster of Shuttles. She ticked the names of the winged boxcars as they passed: Susanoo, Lucifer (that name had proven an ill omen: on its thirteenth

just voted itself out." His hands played delicately over the controls, and his voice never wavered. It took someone very familiar with his ways to sense the bitterness in him, but Mrs. Kelly was that close, and more. "We can count on them. You'll see." His eyes never left the shadow-crested shapes rising beneath and around the scooter.

He smiled now, and she was happy to see it was his private smile, not the one he pulled out and glued on for meetings. She could imagine him smiling thus at an hour's worth of sand castle, fifty years ago. "You know... sometimes when I'm sitting at my desk it gets easy to be abstract about this. . . junk sculpture. It's just so much metal and plastic tubing, consuming so many pounds of oxygen and water, and so many millions of dollars a month. A thing. But here-" She could see his eyes building infrastructures as they scanned the complex. Building, changing, improving and never satisfied.

The scooter went into an approach path for the administration buildings: a flat disk connecting three Shuttle tanks. The tanks rotated about the axis of the disk, providing "gravity" for the offices. The center disk housed the filing and supply warehouse.

He docked without a bump, and Kelly sealed their door on, waiting for Safety to approve and admit them to the tiny airlock. She barely noticed the

trim laid on foam steel. Now, the niceties of gracious living were creeping aboard. The crew, invited to assist with the decorating, had responded with a generous sampling of their talents: oil paintings, sculpture, an achingly beautiful tinsel and blown glass mobile. There were many moonscapes, including one spectacular view of the Apennine mountains which had won second prize in the Venice Arts Festival, Earthside. Kelly still remembered passing the hat to pay for the shipping space aboard a Shuttle.

Closer to the center of the hub the floor was carpetted in Velcro, but that was unnecessary out at the edge, with two-thirds Earth gravity to hold a traveler down.

The office section was largely deserted, which made the narrow hallways seem more spacious. It was a feeling to cherish and to dread. If this desperate plan didn't work...

Fleming was reaching for the doorknob when it slid away under his hand. Dr. Stonecypher popped his head out, bending so that his greying hair barely grazed the top of the six-foot doorframe. His thick eyebrows knitted in perplexity. "There you are, Benjamin." He checked his watch with poorly concealed irritation. "I was beginning to worry." He moved his towering frame aside to let them pass, moving with the strange, disjointed grace of a praying mantis. Dr. Stonecypher was one of the original Falling Angels, and held the record for time spent in nullgrav, beating out the

calcium transport often-experienced by long term astronauts, his skeletal structure had experienced a second anabolic stage. The bones were growing again. He was nearly seven inches taller than the Stonecypher who had matured on Earth, and the medics were frankly baffled as to when the sixty-three-year-old metallurgist could expect it to stop. Eight years older than Fleming, Stonecypher was one of the few people who addressed him by name, and the only man Kelly had ever seen upbraid him. Fleming took it well. There was only one Dexter Stonecypher, and his expertise in a very special field was irreplaceable.

"Come, come," Dexter said, shoing Fleming along with a thin-fingered hand. Stonecypher walked along behind him with the painstaking delicacy he always adopted on his infrequent sojourns into the centrifugal zone. "I still have to supervise mating of Gabriel and the cable pod. Special Projects is going crazy over dead rats and dead fleas for gosh sake. Mark my word-you'll push me too far one day. Dead rats indeed. And oh," he added almost as an afterthought, "We're holding Japan and Brazil on the line."

Fleming took the briefcase from Kelly and took his position at the conference table. "Let's not fall apart now, Dexter. A bit of teasing never hurt a sale. If it's worth buying, it's worth waiting for."

"An unexpected result of overexposure to moonlight," Stonecypher growled to Kelly as he took his place next to Fleming. He looked down at

empty chairs at the table. The slender, dark one was Jorge Xavier. The other was a solidly-built Japanese whom Kelly recognized as Retsudo Oyama, the son of the founder of Oyama Construction.

"Gentlemen," Kelly said, using clear, careful diction. "Are you receiving us clearly?"

There was a perceptible delay before Retsudo answered her crisply. "Yes, thank you. Reception is fine. And you, Mr. Xavier?"

His English sounded more British than American.

"Yes, thank you," Xavier said at once. "We had a problem with resolution, but it has been adjusted." He seemed somewhat stiff and unspontaneous. A handsome man, Kelly thought, but not an attractive one. "Please proceed."

"Gentlemen, Dr. Stonecypher, the head of the team which created the cable, is on my left. Mrs. Kelly is recording. Do we have any opening comments?"

Xavier cleared his throat. "I would like to point out that the sale of the cable should be influenced by other factors than sheer weight of gold."

"Indeed it has, Mr. Xavier," Stonecypher said with infinite gravity. "The fact that only two of you are left at this stage of the bidding indicates that quite clearly."

Oyama seemed curious. "Mr. Xavier, you speak as if you have already conceded defeat."

"Not at all. We are prepared to top your bid. I merely wished to point out that there are many ways that payment can be made, and that liquid assets are only one form."

"But what Falling Angel needs now are liquid assets," Fleming said quietly. "The item in question is already packaged for reentry, and can be available for shipping within ten hours. Shipping can be completed within five days, and will commence after the first third of the payment has been transferred to our bank in Zurich. We trust that this will be satisfactory. Dr. Stonecypher will accompany the cable personally to guarantee its safety."

Fleming looked from face to face. "Are there any further questions? No? Then let the bidding conclude."

A small white rectangle appeared in front of each holographic image, and hovered there. "You understand the rules, gentlemen. Each of you will be allowed one bid, and one bid only. The highest bid buys the cable." Tension had eased some of the depth from his voice, making it higher and thinner than usual. "May I have your bids, please?"

Xavier's rectangle filled at once: \$120,000,000

Fleming nodded approvingly. "Mr. Oyama, are you ready?" The Oriental could not see Xavier's bidding box, but still he gazed studiously at Xavier.

Perhaps another time, Mr. Fleming." His image fuzzed out.

If a ton of steel girders had been lifted from Retsudo's chest, his relief could have been no greater. "Now, Mr. Fleming. I can assure you that the first payment will be deposited to your account within forty-eight hours. May I ask that the cable be ready for shipment as soon as you have received word?"

The rest of the details-high finance and ground control-were relatively easy to work out, and within fifteen minutes Oyama had faded from the room. Fleming and Stonecypher grinned at each other with the unaffected pleasure of two children let loose in a toy store. "We did it." Fleming's voice was muted with wonder. "A hundred and seventy-six million dollars."

"Even inflation doesn't bite that too badly. Falling Angel has definitely hung out the shingle." Stonecypher ran skeletal fingers through his thinning shock of white hair. "We need to make decisions now, though. Our pilots are going to be busy ferrying the candy-pants back to terra firma. We'll need the very best pilots for the cable."

Fleming glanced at Kelly, who raised an eyebrow and silently mouthed a single syllable. Fleming nodded and turned back. "That would be Janet De Camp. Her husband Thomas would be my choice for ion drive tech. They're both space crazy-wouldn't think of going back."



in a community this size it's hard not to pick up rumors."

Stonecypher clicked his puzzlement, leaning forward at the table. "This has some bearing on Thomas's fitness to accompany the cable?"

"It might affect his compatibility profile. He and his wife are separating. Nothing hostile, just. . . well, Dexter, you know Thomas. Introvert. Lives in his machines.. He's never been much of a socializer."

Stonecypher's long frame stiffened slightly. "I've never heard of his having problems with anyone. We're here to work, not socialize. De Camp is a worker. I can understand that."

Kelly spread her hands helplessly. "I'm not passing judgment. I'm just trying to put my finger on the problem. What it boils down to is that his wife Janet started playing the field. There are six men for every woman up here, and that's an awful temptation to a healthy girl."

"How serious is the rift?" Fleming asked.

"They're being very civil about it. But he's heading for the asteroids, and Janet is staying in the Earth-Moon system. Separation, for sure. I don't know about divorce."

"And your judgment?"

"Thomas puts his job first. Always. We can trust him. Janet's every bit as much the pro, she just knows how to cut loose, and he doesn't."

"-down in three loads. Lucifer and Susanoo, bring a can back and send Haephestus. Anansi goes with the cable pod. Tell Gomez that we want Anansi ready by the time Oyama's check clears."

"Yes sir. I'll get on it immediately." Kelly stood, in a smooth, graceful motion that took years to master. The trick was to thrust against Coriolis force and keep one's feet on the floor. She paused before leaving. "Sir?"

Fleming lifted a bushy gray eyebrow.

"I'm glad Oyama got the bid. There's something about that man Xavier that bothers me."

Her boss merely laughed quietly before turning back to Stonecypher.

Kelly left the room, still unable to dispel the disquieting image of the too-handsome man with the silver hair and the oily smile. "Perhaps another time." Just a personal reaction, she decided. Very unprofessional of her.

Janet De Camp detached her helmet and took a deep breath as the airlock opened. It wasn't bottled air she hated, though she thought it was. All air was bottled air at Falling Angel, except in the greenhouse bubbles themselves. What ruined the taste of pressure suit air was being confined in that helmet.

She stripped down to a light green leotard, and hung her pressure suit on the rack near the inner door. There was one other suit on the rack.

Leg at full extension, she hooked her heel on a bar above her head and hoisted herself up with one leg, spun in a tight ball and caught another bar. Her performance would have been impossible under any but the weakest of gravities. She climbed and twisted "down" the bars, working against coriolis force and increasing spin-weight. She turned a horizontal bar into a side horse, doing a quick series of leg circles and then a backward scissors.

She was beginning to perspire now. She descended the rest of the way as if she were working parallel bars, swinging up, then dropping to the next level, hoisting herself into a handstand-and banging her ankle on another bar.

Janet's grip faltered, and she fell a few feet, catching herself frantically with a grip that would have shattered her wrist on Earth. Somewhat shamefaced, she lowered herself the rest of the way, the returning weight pressing the bars into her bare feet. The monkey bars, welded to the sides of the tank, ended eight feet above the floor, and she dropped, favoring the bruised ankle.

Lazy applause praised her efforts. "Bravo. Wonder Woman displays another of her myriad skills." The speaker was a slender blond man with finely chiseled muscles. His features were delicate enough to seem pretty, except for his nose, which was a trifle too large. He was stripped to the

"I've been doing this for almost an hour, if you must know." He sat up, and wiped his face with his cotton T-shirt, gazing at her with narrowed eyes. "May I assume that you aren't here just for a workout?"

"I hear that you're leaving."

Marion swung one leg over the bench, sitting sideways, and mopped his chest with the shirt. "Is that question business or pleasure?"

"We need you, Marion."

His eyes were chips of green ice. "I never realized how impersonal a plural could be."

"Look. We're fighting for something you believe in. Don't try to tell that what happened between us changed your mind about Falling Angel."

He said nothing, but leaned away from her a bare fraction.

She tried to smile. "Will you fly with me? Just this last time?"

"I really can't, Janet." His face softened, and he seemed even younger than his twenty-eight years. "I . . . have assets in American banks. A savings account, Uncle Gavin's trust fund—they could be frozen or attached. I can't afford to stay, and I can't afford to help you get that cable down." She watched him without speaking, and at last he shrugged, pulling his shirt on over his sweat-slick torso. It stuck on the dampness, and he had to tug it down. "I won't be surprised if you don't understand, okay?"

Without a backward glance, he headed toward the ladder.

change places with their copilot once we've landed, and go back to America. They may suspect something, but not enough to stand up in court."

Hope flared for a moment in his face, and her heart lifted. He did care about Falling Angel. He tucked his emotions back in as soon as he realised they were showing. "What if it doesn't work? I stand to lose quite a bit."

"That will be our department. You help us get this cable down, and if anything goes wrong you'll find yourself with a numbered Swiss account in the amount of your losses. Please, Marion. I wouldn't trust anyone else to be with me on this run. We. . . I need you."

There was the embryo of a smile tugging his thin lips into a bow. He shook his head ruefully. "Damn you, Janet. You've always got everything figured out, don't you?"

"All but one thing," she said. "I'm still not sure you're going to say 'yes.'"

He saw her smile waver for an instant, and knew her words were true. "All right," he said finally. "I've always had this thing about being needed."

Until he said those words, she hadn't realized that there was a tiny packet of constricted air in the base of her lungs. It went now, hot and stale, and she felt pounds lighter.

"Don't go gushy on me," he said without sarcasm. "I've got to pack, and this is no time for a scene." He turned and started up the ladder, whistling.



Djalma could never eradicate the image of flames and twisted steel and mangled bodies, but he had learned to leech the color from them. Now his mind was filled with savage black and white arabesques of destruction: unnerving, but tolerable.

The Eurasian stewardess walked the aisle, checking the passengers. She paused at his seat. "Please place your briefcase under the seat in front of you, unless you'd like me to-"

He nodded with nervous quickness. He slid the black case gingerly under the seat, then placed his right foot atop the case, so that it took only a slight pressure to reassure himself that it was still there. He closed his eyes and breathed slowly, concentrating on the fact that within minutes he would be in Teheran.

Costa's contact met him as soon as he had passed through customs. "Welcome to Iran," the man said politely, making a shallow bow. "Mr. Hoveida sent me."

Costa nodded, only the barest spark of suspicion still alive in his mind. "And who is Mr. Hoveida's friend?"

The man's light brown face crinkled into a knowing smile. "Mr. Hoveida has no friends, sir. His partner, however, is Mr. Reza Mansur."

Costa nodded. "All right. Take my bags. I'll carry the briefcase."

dealer, in Baghdad as a hired gun, and once in Paris, soliciting financial support for a new organization, the United Moslim Activist Front. Claiming to represent the interests of all Arabs, he gained backing from several sources-some said that Middle Eastern OPEC interests were heavily involved-and was suspected to have been behind some of the most audacious acts of terrorism of the 1990's.

It was known that he had acquired a critical mass of plutonium, with plans to blackmail a western nation, most probably the United States. Word had leaked, and the enforcement arm of the United Nations Nuclear Limitations committee descended on his headquarters in Edmonton, Alberta. Spearheaded by the RCMP, the operation had been a complete success-the plutonium recovered, the terrorist organization smashed. Only Hoveida had escaped.

Hoveida knew that one of three people had betrayed him. All three of them were close friends of his. Unable to determine which of them was the traitor, he had taken the only expedient course of action, killing all three.

Since that time, Hassan Ali Hoveida had been known as "The man with no friends."

Here, in Iran, Hoveida had found a new home for the United Moslim Activist Front. Officially denounced and outlawed by the Iranian Parliament, they had nonetheless operated out of Teheran for the past six years with a



followed him to the house. There was a five-second pause after a rhythmic knock, and the door opened. He was led down a narrow wood-paneled hall decorated with hanging rugs and lit with a single dull bulb. It jarred with the modern exterior: perhaps a misguided attempt to capture a bygone simplicity.

The hallway opened into a circular room where a plain wooden table sat, holding an electric lamp. There were three men in the room. He recognized Mansur by his cadaverous thinness and precisely groomed beard. Mansur sat at the table, using a crust of bread to sop the last drops of gravy from a plate. Behind him stood a huge man with a discernable lump beneath his light coat. Bodyguard.

The third man sat at the table, paring an apple very precisely with a folding knife. He was light for a Jordanian, and his face was a calm oval. His shoulders were broad but slack, relaxed almost lethargically. Costa had met him twice before, and both times had been stricken by the lack of warmth in the room. Regardless of the temperature elsewhere in the house, Hoveida's presence was always like a draft of cold air.

"Sit down, please." Hoveida's English was heavily accented, a strong element of French mixed with the Arabic. Djalma sat, laying out his briefcase and crossing his legs carefully. "I am prepared to offer you a half million Pounds Sterling for your organization's participation in this venture."

A wedge of apple vanished into Hoveida's mouth, and he chewed thoughtfully. "Of course, it is good that the men understand that this spaceship of yours does indeed threaten us. If they didn't understand this thing, it might seem as if the money were a primary motivation." Djalma glanced at the bodyguard, a huge dark man with hollow eyes. The man was too tense.

"Let me explain again," Djalma said, taking the hint smoothly. "The developing nations of the world have always been stripped of their resources by the industrial nations. Many of us have based our economy chiefly on the exportation of materials and energy, and through great struggles, have forced the robber nations to pay us a fair price for our goods. Now they prepare to rape the asteroid belt, and a network of solar power satellites is under construction, which will soon ring the earth.

"Perhaps the two best forms of storing solar energy are, one, using it to dissociate water into hydrogen and oxygen. The hydrogen can be liquified and used as fuel. Two, use solar power to make methyl alcohol from water and air and garbage. Either method reduces the dependency of the industrial nations on petroleum products, weakening the economy of any oil producing country, particularly in the Middle East.

"It is time to show America, Russia, and Japan that they cannot despoil the Earth, then escape to the stars. They must be shown their vulnerability

the time to strike, gentlemen."

Hoveida nodded, watching Mansur out of the corner of his eye. After devouring another slice of apple, he turned to the thin man. "I am satisfied with the money and the justification. The men will do as I say. The rest is your end, Mansur. It would be best to ask any basic questions now."

Costa had the distinct feeling that Mansur did not like him, or trust him. It was in the slow turning of the head, the moistening of narrow lips with a brownish tongue. It mattered little. The man was a weapons and explosives expert, perhaps the finest who had ever gone "Underground" in the Middle East. He had been responsible for the design of the plutonium device captured in Edmonton. Experts had determined that the hellish thing, briefcase-sized, could have done more damage than the one detonated over Nagasaki in 1945.

"I do not doubt," Mansur began, his accent so thick that Costa had difficulty distinguishing the consonants "that you can obtain a Prometheus missile. The resources of Brazil Techimetal and Electromotores are well known."

In shock, Costa looked to Hoveida, and to the guard who stood quietly against the wall. Hoveida laughed harshly. "No, little man. I didn't give your secret away."

"But then how-? No one was supposed to know-"

"Very well." Costa mopped his forehead. "But I trust that this information will go no further?"

"Certainly. As I was saying before you became so upset, I have no doubt that you can obtain a ground-to-orbit missile. I need to know how you plan to deliver it to our launch site."

The smile on Costa's face was an uneasy thing, held by force of will alone. He riffled through his briefcase until he found the papers he needed, and laid them out on the table. "Now," he began, breath rasping in his throat. "The Prometheus missile will be brought in by tanker through the Persian Gulf to Bandar-e-Shahpur. It will be contained in twenty-three boxes labeled 'machine parts.' The necessary officials have already been bribed or-" He glanced at Hoveida, who, expressionless, was slipping the last section of apple into his mouth. "-removed."

He skipped to another sheet of paper, reading down a quarter of-a page before continuing. "From there, it will be shipped by rail, north to Qom, and from there Southeast to Ardestan. Then we will need trucks to relay the boxes to the launch site. You have kept the exact coordinates of the site a secret, although we know it is in the desert near Isfahan."

Hoveida had stopped moving, was totally motionless, and again Costa had the feeling that the room temperature had dropped. "That is all you need to know. It is actually more than you need to know."

the next several days. There- is much work to do, and it will be good for you to rest."

"Yes. I didn't get any coming in from Moscow."

"Yes. The Russians. They did not open your briefcase? Good." Hoveida stretched, yawning, then snapped his head around as if a thought had just occurred to him. "I think that you had better give me the money now. It will be much safer, don't you think?"

"Of course." Costa peeled off a false lining in his briefcase and stripped out six short stacks of paper. He riffled through them, then placed the stack on the table in front of Hoveida. "Count it."

"I am sure there is no need. We understand each other all too well. Please, go now. Rest yourself." He waved an arm expansively. "I am sure you will find the accomodations to your liking. Rest. There is much work to be done tomorrow."

Costa clicked his case shut and rose. "Well, then. I will see you later this evening."

"No. Tomorrow."

"Tomorrow." He bowed slightly and took his leave, noticing that the temperature seemed to rise as he left Hoveida's presence. He was sweating, but he didn't think that his hands were trembling too badly. He

proper timing. Costa trudged up the staircase, clutching his briefcase tightly, feeling a headache coming on. Death, and unimaginable riches, were hovering in the air about him. He wondered which would come to roost first.

Five

## THE PRESSURE COOKER

Falling Angel emerged from the shadow of the Moon, and glaring sunlight swept across the clusters of cylinders. It picked up the Cable Assembly like a spotlight. Marion Guinness, sucking gravy from his fingers in the commissary, barked startled laughter.

He covered his mouth with his hand and peered around guiltily. Nobody seemed to have noticed. How did I miss that yesterday? he wondered. It's grotesque. It looks like some kids tried to make a pickaxe out of old spacecraft models.

external tank would ride during a Shuttle's ascent into orbit.

The ion drive floated behind the cable pod, not yet docked, shaping the rest of the pickaxe handle. Gabriel looked like a steel brick with lumps on it.

The dustless vacuum robbed the Cable Assembly of all sense of scale. Marion knew its size. He had worked twelve hours yesterday in Anansi's cargo bay. Though new to Falling Angel, the Shuttle had served NASA for fourteen years. Wide areas of kitchen-tile heat shielding had worn thin enough to need replacing, and the rest was examined before every flight into Earth's lethal atmosphere. Payload was light this trip, mostly widgetry for handling the cable; but if those masses started bouncing around during re-entry...

Anansi alone was huge. The cable pod was almost as big, and equally massive. Gabriel was smaller by a third. But there was no blurring to show the size of that crude pickaxe. It might well have been toy-sized, until the eye found other cues.

There: tiny human forms, pudgy in pressure suits, swarming around Anansi. The cargo bay doors flapped like slow wings, opening, closing, testing the repaired hinge systems. She was a lovely beast. At thirty-seven meters, she and her sister Shuttles were the largest self-propelled objects in the Earth-Moon system.

Marion finished his coffee, dumped his tray and was on his way to the airlock.

Lines still moored Anansi to the hangar and storage cylinders. Marion crossed by one of these, pushing his pressure-duffle ahead of him, letting its mass tow him. He entered via the airlock in the cargo bay. The pressure suit was uncomfortably tight now, but he left it on while he climbed to the cockpit.

Janet was already there, but busy. She nodded perfunctorily before returning to her checkout. She played her hands over the instruments like a master pianist caressing the keyboard. He knew that blank look. Only her body occupied the command chair; her mind was in the miles of wire and tubing, reestablishing an almost symbiotic link with Anansi. He had spent hundreds of hours in the, cockpit with her, and knew that her flying was less an intellectual appreciation of readout than a kind of kinesthetic perception whereby she became one with her craft: its engines her muscles, its thermal-insulated aluminum sheathing her skin.

He went back down to the airlock. The pump whirred down to silence; his pressure suit lost its tightness.

The cargo bay doors had been left open. Marion coasted down the vast empty space. His gaze picked out bulges in the sprayed foam-plastic



Marion knew something about space propulsion systems-ion drives, solar sails, linear accelerators-enough to hold his own in a conversation, and no more. Those things didn't fly. They pushed, or fell, or sailed; but since his earliest school days the thing that had fascinated Marion Guinness was flight. When other children were torn between wanting to be policemen or baseball players, Marion watched the skies. When boys his age were thinking of proms and driver's licenses, Marion was an Honors student at the Air Force flight academy. Be it hang gliding, or riding a supersonic shock wave across the sky in a combination meteor/surfboard/winged metal building, or anything in between, he loved it. Life in free fall didn't bother him as long as he exercised, and Falling Angel gave him the chance to fly occasionally.

He found Thomas De Camp in the ion drive's tiny cockpit. It was open, and De Camp was in full pressure suit, taking readings from one of the computer screens. He dictated into his suit mike while liquid-crystal readouts flashed before him. Marion scanned his helmet radio band to find Thomas's frequency.

"Hey there, Tom. What's the problem?" He winced at the somewhat forced jollity in his voice.

De Camp looked up and spotted Guinness, and bent back down to his work. "Just a minute."

with tension.

That might be for personal reasons, or professional. Marion gambled on professional. "Is there a problem?"

His father's dark skin, his mother's fat-padded face, made Thomas resemble a sooty Buddha when he pouted. "Wouldn't be a problem if I had the extra month I was supposed to have."

"Hell, you were on your way to the asteroids! I'd think a shakedown is a good idea. If there's trouble on the way to Earth, we're still close enough to yell for help."

Thomas was shaking his head. "If there's trouble, then I fluffed it. If I fluff it, it's because they short-changed me by a month! This is my job, and I should have a chance to do it right." His eyes narrowed. "I would think you'd understand that."

Marion broke eye contact, clearing his throat. He eyed the steel-and-glass bubble moored to the ion drive assembly. It wasn't small, but food and water and oxygen storage and instrumentation panels left little room for a man. "I'd want a cockpit that was bigger than this."

"Think of it as a small igloo," Thomas said, turning back to his work. "It'll be enlarged before Gabriel goes out to the asteroids. Anyway, I've got more room than the old Mercury capsules."

"You'll be four days coming back to the Moon."

Marion felt himself bristle. "How do you mean that?"

"I could be wrong, but I'd think you had too much intelligence to be one of her trinkets. Oh, you're pretty enough, but you don't seem to be an invertebrate." He laughed harshly, without looking up. "Anyway, I'm glad you directed her to the playground down the street."

"You're pretty dry about all this."

Another laugh. "What am I supposed to do, jump and scream? We're about through with each other, anyway. After this trip, it's me for Juno, and Janet can do what she pleases."

"No divorce?"

"If she wants to file papers, I'll be glad to sign. Looking at the way things turned out, that's not too likely, though, is it?"

"I don't understand you."

"You're not required to." He turned back to 'his work. "Now, if you'll excuse me, we're about ready to mate this thing to the cable pod. You'd better get yourself clear."

He released his safety line and jumped toward the looming belly of Anansi, sparing his backpack fuel. Marion watched him for a few seconds, then called after him. "Thomas-I loved her."

De Camp's voice came back. "Did it make a difference?"

"I don't think she ever believed it."

view of Gabriel, a huge steel brick closing massively on the mating ring at the stern of the cable pod. Surrounding that image were nine smaller views, giving alternate angles on the pod, technical readouts, and video feeds from his Special Projects division.

From a couch webbing set flush against the opposing wall, Stonecypher watched the progress on the center screen while he sucked coffee from a squeeze bottle. His eyes were red and his hand trembled. Thirty hours without sleep had nearly laid him low. He trusted his subordinates, but the cable was his child, his concept, his creation. To allow anyone else to oversee its journey to Earth would have been dereliction of duty.

He spoke softly: "Command swap Four for One." The central image traded places with one of the smaller screens. He was looking over the pod now, watching the approach of the ion drive. The cable, over twenty tons of it, was coiled on an immense reel and sheltered within a steel housing. The housing was cased thickly in foamed lunar slag, forming a shape halfway between an airplane and a boulder: flattened at the belly, rounded at the nose, with three hatchet-blade fins and the motors to turn 'them mounted at the tail. Despite its makeshift look, it was aerodynamically sound. He'd worked on the computer animated re-entry test. Major restructuring of the exterior housing had been necessary...though that was no problem; it only involved adding more of the lunar rock.

electronics field.

But that was in the dead past, and right now Stonecypher's near-weightless body felt heavy with fatigue. He was alone in his office, his door Do Not Disturbed to stop his assistants from reminding him to go to bed. He sat with knees drawn up, strapped into his vertical couching, and blinked slowly as one of the peripheral screens blinked rapidly, demanding his attention.

"Biolab." The small screen blossomed into center position. A pressure-suited technician faced the camera, holding a polyethylene bag filled with red-blotched gray fur balls.

Oh, yes, Dexter thought wearily. The rats. Every experiment that didn't fall under an established heading came under the scope of Special Projects, including Project Plague.

When *Pasteurella pestis* confines itself to an infection cycle of rat-flea-rat, it is untroublesome to man. When the disease kills off so many of the rat population that the fleas cannot find proper hosts, they will accept human beings instead. But in general it spreads from man to man only with the cooperation of migrating fleas. When the disease becomes pneumonic, attacking the lungs, infesting phlegm and saliva with virulent bacteria, plague becomes most fearsome, spreading directly from human to human, leaving death in its path.

electric fields. The process, electrophoresis, couldn't be used in a gravity field because the heat caused convection within the fluid medium, contaminating or destroying the biological materials.

Falling Angel offered another advantage, the results of which Stonecypher watched with ill-disguised irritation. "Dr. Quinn. It seems that you've captured the errant rodents."

Quinn shook the plastic bag. The freeze-dried puffballs rattled like so many hard meringues. "What's left of them, yes."

"And the Xenopsyllfrastia?" The face on the screen went blank for a moment, and Dexter leapt into the breach. "The fleas, dammit man. I want each and every carapaced corpse enumerated and accounted for." Behind Dr. Quinn other workers in pressure suits ran magnifying viewers along the corners and crevices, inspecting the rows of anchored glass tubes and hooded flasks. Equipment was being dismantled and removed from the room for further disinfection. "After diverting my funds, personnel and administrative time for the past fourteen hours, I should like to hear that something positive has come of our little excitement."

"Dr. Stonecypher, we're doing the best we can," Quinn said apologetically. "We're just glad we could contain the problem by depressurizing the section." He tried a grin. "Can you imagine the results if this happened at the Mayo Clinic?"

a whiskbroom and a pan to help?"

Quinn shook his head uneasily and broke the contact. Dexter rubbed his eyes and had the momentary good sense to check his pulse, forefinger gently pressing the vein in his wrist. His heart was racing, near 120. Fatigue, he told himself. Stress. The coffee. Or...

But that was unthinkable. Not now, not when he was needed so badly. His cable would buy freedom for Falling Angel, and nothing else mattered. He had taken three years of his life to design it, and two to set up the facility. Adding two more for the actual extrusion process, and the damned cable had stolen seven years of his life. Perhaps he was becoming a little obsessive about the project, but who wouldn't be?

Again he fingered his wrist, searching for the pulse. He felt it flutter, and sucked air. If he wasn't careful, very careful...

Despite the Do Not Disturb on his door, he heard a hesitant knock, then a swish as it opened.

Stonecypher stretched his long frame, forcing crispness into the motion. A familiar profile blotted out the videobeam. "Mrs. Kelly," he said wearily as she swung herself up onto the webbing. "Have you lost the ability to read? The sign is most explicit."

"Dr. Stonecypher-

"I don't want to hear it. I am extremely busy right now-"

unless you chill that right now."

Strickland's voice crackled Over the speakers. "Got you, Doc, we've already caught it. Correction was started twenty seconds ago. See?"

Stonecypher leaned closer. "Computer animation," he said distinctly, and a blue rotating skeleton popped onto the right corner screen. He checked the numbers. "Right. Sorry to bother you."

"No problem, Doc."

Stonecypher sighed hugely, waved a shaking hand at the multiple screens. "Do you see? You see what I have to worry about? By gosh, woman, who do you think is going to do the work around here?"

"It seems to me that Strickland was doing just fine."

"Hmm. Yes. For the moment. Tell that to Quinn. I can't relax now. Do you think I like being in a pressure cooker?" Kelly seemed to be considering the question, and Stonecypher reacted with rage. "If Fleming ever stops cutting corners and gets some competent help up here, maybe then I'll believe that I can turn my back without the whole show going straight to hell!"

He was almost screaming now, and she could see how his hands were shaking. There was a light sheen of perspiration on his forehead, and Kelly bet herself that it was sticky and cool. She said, "Doctor, you have only



commit suicide, swallow a tube of silicone patch." She turned like a wraith and glided through the door, pausing a moment to hear Dexter's inevitable sigh of defeat.

"Damn you, woman, you don't fight fair."

"I'm not playing for points, Doctor." And she was gone.

Stonecypher turned back to his screen. It was all over. The ion drive was firmly mated to the rear of the cable pod. Now two cylinders alongside the steel brick began to unroll themselves.

He watched until the solar power collectors stood out from Gabriel like a pair of long rectangular wings. A moment later the screen went dead. Kelly's promise had been mercifully delayed, but not forgotten. He looked out his window, seeing the same approximate view, but without the close-up detail.

Stonecypher sighed and reached out a pipestem arm for the blanket tucked folded on one of his horizontal shelves. Thank God for Kelly. Sometimes he felt like an old machine whose automatic shutoff had frozen years back. He would just run on and on, until something broke or someone pulled his plug. One day he would have to let Kelly know how much he appreciated her. Not soon, but someday.

There were four seats on the command level of Anansi: three standard, and one stretched-out monstrosity to handle the stretched-out frame of Falling Angel's chief metallurgist. Thomas patted the older man's shoulder as he edged past. "Good to have you along," he said.

Stonecypher nodded, still relaxed from his nap. "I assume you brought your board?"

Thomas nodded vigorously, buckling himself into his own seat, behind Janet. "You bet. And we've got a chess program in the onboard, so take your pick." He leaned forward to speak to his wife. "We weren't getting enough efficiency from the atomic plant."

"Everything's fine now, Tommy. Check the monitor." Janet leaned left in the command chair so that her husband could peek over her shoulder. Ahead of her, out the front window, there was nothing but pinpoint stars and, low in her horizon, a blue-white half-disk Earth. She could feel the adrenalin beginning to flow, as it always did before a mission, regardless of its size or importance. Joining with her craft, becoming part of the most advanced piece of flying machinery ever created by man, was an excitement beyond anything else in her life.

"Everything in order here. Go." She glanced back at Stonecypher. He looked to be half asleep, but his straps were in place. Professional paranoia...

Fuel tanks, a swiveled motor, and- an electromagnetic plate: that was a limpet motor. It weighed as much as a man and was half a man's size, and it was generally handled manually. It was relatively cheap, and very useful in free fall. Whatever you wanted moved, enough limpet motors would move it. There were twenty now on Gabriel. Ten more on the cable pod would drop it from Earth orbit to Japan.

A score of limpets fired, and the Cable Assembly moved away from Falling Angel. After a minute or so their carefully measured fuel ran out, not all at once; and as they did, the magnets cut off. The Cable Assembly left a trail of limpet motors behind itself, all joined by a hundred meters of safety cord. The last to go was a sled bearing two limpet motors and a man.

They watched the sled heading back, trailing dead limpet motors.

"We picked up a touch of spin," Janet said disapprovingly, and she keyed attitude jets. Her crew's bellies rolled with the peculiar motion. When it stopped, the Cable Assembly's pickaxe handle was parallel to the lunar surface, and Falling Angel had grown small enough to be cupped in two hands.

"Ion drive in ten," Thomas said. "Janet?"

Angel monitored through relays. At the end of six hours Falling Angel had become invisibly small below them, the Moon had become a good deal smaller, and their orbit was cometary. If the ion motor failed now, the Cable Assembly would not return to lunar orbit. Its target was Earth.

"Bishop to Queen's Knight three," Thomas said. Stonecypher watched him move the magnetic piece, and a smile tugged at the corners of his mouth.

Stonecypher castled.

The next move was pivotal, and Thomas relaxed a moment to think; but he found his thoughts drifting along other lines. It was easy to lose himself in abstractions once the mission was underway. Easy to begin a good game of chess with a friend, or to watch the pinpoint stars, or the hazy blue disk of Earth. His co-workers, the game, the myriad calculations and adjustments forever coalescing in the back of his mind, his memories of Alaska, would all blend into a single complete pattern, a tapestry of contented thought which was as close to poetry as he ever allowed himself to come.

Thoughts of Alaska were particularly close now, as he hovered over a game board in the forward compartment. In a week he would be in orbit around Earth, the closest he had been for months. He alone would not

cutting edges. He frowned, and concentrated on the board in front of him.

"Who's hungry?" Marion said from the top of the ladder.

Thomas heard Janet's musical laugh, pictured her slipping off her headset and stretching, cool blue eyes alive with pleasure. "I feel like I haven't eaten for a week," she said.

"Good enough." Marion started down the ladder. "I'll see what's in the food locker." He saw Thomas and Stonecypher absorbed in their game, cocked his head sideways to get a better look at the board. "Pretty quiet down here. Who's slaughtering whom?"

"We'll know in a move or two. Meanwhile, hush."

Marion raised a blond eyebrow. "I hope Tom beats your pants off. Then I think I'll take a crack at it."

The metallurgist tsk'd. "No respect for age." He studied the board, then looked up. "I am getting a bit itchy. Almost time to check on the cable."

Marion produced plastic envelopes filled with club sandwiches and Hershey bars. "Food?" Stonecypher smiled, Thomas nodded without looking up from the board. The copilot dropped off an envelope apiece and a pouch of cold milk, then climbed up the ladder to the flight deck.

After he was gone Thomas made his move. Stonecypher watched his opponent place the piece, and chuckled. "You don't like him very much, do you?"

three, I think."

Thomas savaged a great hunk from his sandwich, eyeing the board with his irritation giving way to humor. "Your game," he said, "and your point, too. I'll try to keep a lid on it."

Stonecypher nodded, tore open his own package and started to eat. He barely nibbled at his meal. Fatigue syruped his movements, making them clumsy, making a lie of the lightness in his voice. Thomas started to speak, to give warning, but he knew that part of that urge was the wish to give Stonecypher a taste of his own medicine. Unfair. The only thing that would relax Falling Angel's elder statesman was an opportunity to do something useful: a mental state Thomas understood perfectly.

When Stonecypher pushed the remains of his sandwich aside, and the plasticware was gathered for the dishwasher, Thomas unhooked himself from his seat. "Let me stow this," he said. "Then we can get some work done." The thin face nodded. "Yes, it's time to check our cargo."

There was little sound, even from footsteps, as they moved to the back of the lower deck, shuffling carefully down a strip of Velcro flooring. Surrounding them were lockers and a good deal of working space, including plugs and attachments and mountings for instrument boards. In the rear was mounted the elaborate control board Thomas used to monitor and steer the ion drive. Next to it, equally elaborate, the flight controls that

screens more interesting, but still he relaxed noticeably.

"The pod's riding well," he said. "No vibration. No heat buildup."

"Good." But Thomas was watching Stonecypher's thickly veined hands, noting the tremble. He weighed his motivations, found them pure. "Dexter...you're not well, are you?"

Stonecypher blew through his lips, a sound of disgust. "When you get to be my age, it's a rare day when some part or other isn't acting up." He turned back to his work, a shade too quickly.

"I'm not talking generally. I've been watching you. Your hands shake, you have no appetite, your face is drawn. Were you checked out at Falling Angel?"

Stonecypher looked down from his towering height, imperiously or something like it. "Just what are you talking about?"

"I'm asking you if you have any business going down into Earth's gravity well. You'll have to take three gees to get out again, and I'm beginning, to doubt you can take that safely."

A gnarled hand rubbed across a forehead that was suddenly damp with perspiration. He started to frame a sharper response, then sighed in defeat. "All right. All right, Thomas, I'm not well. Perhaps I shouldn't make this trip-" He waved off Dc Camp's attempt to interject a word. "Perhaps I shouldn't-if all I care about is my own life."

salvation. Someone needs to be here, right here, who understands everything about it. If that entails a certain degree of risk, then so be it. I placed myself under risk when I first became involved in the project. Things were a lot different in those days-we lost some good men and women. We all held a common dream, and we bet everything we had on it, and some lost."

"But you didn't have to come. You could have sent Mannering, or-"

"No, no no. They are my assistants. Why are they my assistants? Because they are not qualified to run the department!"

"You've got to learn to delegate some responsibility-"

"Not with the cable. Not when it concerns the product I have spent seven years designing and extruding. Not when it spells the difference between life and death for Falling Angel. No!" Suddenly his voice was whiplash strong. "This is where I should be. I thought that you, of all people, would understand that. But if you don't, it's irrelevant. Whether you or anyone else understands doesn't matter at all."

"But Falling Angel needs you!"

"No. Not if I've done my work properly. If all goes well here, then Falling Angel has a new lease on life, and the younger people will have their chance to run things. Mannering is running things now, while I'm gone. The



It was not instantly obvious that Thomas had lost his temper. "Oh, I suppose we'll have to turn around and take you back and start over after we load more cesium and more supplies. The conquest of the stars can wait a week and a half. . . no? Dammit, Dexter!"

Dexter was stunned speechless. It was as if his wallet had bitten his fingers.

"No, of course we can't turn around. It's just...you're my friend. Maybe my only friend, and I don't have the slightest idea how to keep you from committing suicide."

"It's not quite so bad as that," the giant said quietly. "I've merely made a decision that here, with my cable, is where I belong."

"All right. Well, Doctor, it looks like you're along for the ride. I hope you know what it is about you that scares me the most."

Dexter looked down into the round, almost petulant dark face, and nodded, laying a skeletally thin hand on Thomas's shoulder. "To see madness is one thing. But to see it and understand it too is a different breed of unicorn. We're all wild to conquer the stars, aren't we? I've just gone a little further over the line than you.

At last the smaller man smiled, a neutral twitch of the lips that grew warm in the light of Dexter's calm resolve.

## COURSE CHANGE

A day and a half out from Falling Angel, Stonecypher was looking better. At dinner he volunteered to take their meal trays down to the compactor. He started to turn. . . turned too far, lost his grip on one of the trays. Thomas noticed his sharp intake of breath, the wide-eyed puzzlement, the way his face lost color. Thomas frowned but did nothing. He didn't understand. Even after years in space, somehow one expects a heart attack victim to fall over.

Velcro slippers anchored Stonecypher's feet, but his body swayed like an undersea polyp while his mouth gaped and his fingers massaged his chest. Then the pressoreceptor reflex, a sympathetic reflex triggered by diminished arterial pressure, cut in, and increased the efficacy of the unaffected heart muscle, giving Stonecypher respite from the immediate agony.

ship's diagnostic display.

"Damn it, Dexter," Marion said nervously, waiting for Falling Angel to respond. "You, of all people, just aren't allowed to get sick on. us."

The radio came to life. Three minutes: not bad. "This is Fleming at Falling Angel. Janet, how is he?"

"I'm not dead yet." Stonecypher opened his eyes. "Better. Better now." Janet was studying the diagnostic, and Stonecypher took a few minutes to breathe before attracting her attention. He reached out and found her hand, and tried to squeeze it. Perhaps only then did he fully appreciate how weak he was. "What's it say?"

The lightspeed gap was a second or so, but Fleming's answer took longer than that. Fleming wasn't as calm as he tried to sound. "Bilateral cardiac failure, triggered by stress and deconditioning of the heart muscle. Dexter, the records show that you haven't kept up your aerobic points."

One of the metallurgist's frail hands gestured helplessly. "I've been busy."

"But Dexter-" Fleming caught himself, then spoke more softly. "All right, Dexter. We can talk about it later. The main question now is, what do we do with you? We can't let you go down to Earth."

Color came back into Dexter's face. "You don't have any choice, and it's stupid to even consider turning back-"

the elastic lines that webbed his patient, then opened it further. It was a thin, heat-reflective blanket. Thomas spread it out beneath the web, tucked it around Stonecypher's chin, then his legs; his thin, knobby feet protruded out the far end, and Thomas cursed under his breath. He turned it into a wan smile. "Is there anything about you that's standard?"

Stonecypher tried to smile, gulping air. "You have to make allowances for genius."

Thomas tucked the edges in. Janet saw the tension shaping his round face into planes and angles. Stonecypher closed his eyes and breathed rhythmically, trying to relax.

Thomas took the microphone. "What are the chances of his condition being aggravated by descent into Earth's gravity well? Even if he lived through it..." Suddenly he didn't want to say the words. Stonecypher looked to be asleep, but he knew that within the still body was an active, worried mind. Whispering would make it worse. "How could he ever leave again? A liftoff would kill him for sure. He's spent the last eighteen years in low gravity."

Again, there was silence on the radio. Then Fleming said, "I don't see that we have a choice. Unless-Let me work on something."

Thomas was nodding. "Shouldn't be a problem. That's what an ion drive tug does: it pushes a Shuttle between the Earth and the Moon. Docking facilities. . . hell, we'll just glue the push-pad to Anansi's belly with the molecular glue in the cargo bay. God knows it's strong enough."

Fleming's radio voice said, "I thought maybe we could send you another Shuttle to take Dexter home, but it's no go. Haephestus is ready to go, but the tugs are tied up pushing Lucifer and Susanoo. Lucifer and Susanoo were launched from Ryukyū five days ago. They're almost back to Falling Angel; it'd take a week to send one of them back. There's nothing to bring him home except Anansi."

Stonecypher inhaled sharply. "The Japanese won't like that-"

"Screw the Japanese. They'll have the cable, they can wait two weeks for the rest. How fast can you get him home?"

Thomas closed his eyes. Relaxing tension turned clenched fists into hands; his moon shaped face took on the full moon's sad, calm. His mind was in the country of orbital mechanics now. Janet envied him this ability. Only by its absence did she realize the terrible strain he had been under.

Thomas said, "If we just turn around I could have him home in just over four days.

We're a day and a half out...another day and a half to decelerate, three more to get back to Falling Angel." Stonecypher tried to protest, and Janet

" He was talking rapidly now, holding conversation with himself.

Janet watched him with pride, excitement, and an irritating grain of jealousy.

Dexter stirred. "We should deliver the entire cargo. It's what Oyama paid for. Our reputation-"

The radio cut in again. "It looks like if he doesn't die in four days, he won't die in eight either. Dexter, I hate to say it, but you either stabilize or you don't. And we sure as hell can't have you dying during re-entry. Did you give one second's thought to the publicity when you pulled this stunt?"

"That's not my department," Dexter laughed raggedly.

"Thomas, how are you doing?"

"Ask me again in a couple of hours, Fleming. This is a trial run. But I've got the fission plant running in tandem with the solar power cells, which gives me more electrical power in the grids that ionize the cesium, which lets me increase the cesium flow too. That gets us better than half again as much thrust. If everything works I can get us to Earth-orbit eight hours early. Back to Falling Angel in seven days one hour not counting the time it takes to land the cable pod and moor Anansi and Gabriel."

"I know you'll do your best. Dexter, if you wanted to be a martyr, couldn't you do it at home?"

Djalma Costa awakened quickly, as he had learned to do in the past week. Coming overland from Mehrabad he had first felt it, the little sourness in the stomach, the touch of cool air at the back of the neck, the pre-conscious thrill that warned of danger.

His hosts treated him well, but Hoveida especially had eyes which questioned. Too often the conversation had drifted innocently to STE's other business concerns, to questions concerning the programming of the missile.

Costa could honestly deny access to technical information. He wondered if they believed him.

And tension had grown. The men of the United Muslim Activist Front provided manpower: moving the machinery, constructing the launch site and the camouflaged bivoac. Then there were the men sent by BTE, the actual technicians who would direct the assembly of missile and scaffolding, who would send it streaking into the heavens on a grim rendezvous. There were twice as many Muslims as BTE personnel, and the primarily Brazilian technicians kept to themselves.

Except for Djalma. From the first, Hoveida had made sure that the little man was near to hand, that he slept nearer the Muslims than the Brazilians. That a "bodyguard" be with him at all times. That the constant, small prickle of fear continue to grow.

man left the tent.

Costa pulled himself upright and realized that he was shaking. "Damn!" he whispered, rubbing thin shoulders. Why did Hoveida have to have the same impact on him every time? His body was misted with cold sweat, and once again it seemed that the room temperature had dropped.

"Get hold of yourself," he told himself softly, pulling on pants and shoes. "Today's the day." That thought seemed to banish the fears. Soon he would be through with this phase of the project, and on to a more familiar, and rewarding, phase.

He emerged from his tent a moment later. The sun was still an orange ball on the horizon, and had not yet cut the chill from the air. He looked out across the flat, packed sand of the Iranian Central Plateau, past the clusters of brown and dull green tents and huts, to the towering shape of the Prometheus missile, held in the skeletal embrace of its scaffolding.

Bathed in the warm light of the morning sun it seemed a thing of beauty, not destruction, and for a moment all seemed right with the world. Then he remembered his place and purpose. He hurried to the main hut.

Hoveida and Mansur were there, dressed in brown fatigues. Mansur was scribbling notes on the last sheet of a stack in front of him. He folded the rest of the sheets back down and squared the pile and shoved it toward the center of the green metal table. "This project is somewhat different from



and yours. At times I have wondered if this was deliberate." His eyes flared, and Djalma felt the impact of his suspicion. Then the eyes were hooded again, and Mansur went on. "However, if your people have performed in all respects as I know mine have, then we are totally prepared. We are monitoring the conversations between Falling Angel and Oyama Construction, so we will know when Anansi has moved into orbit.

"If I understand the procedure correctly, Anansi will send the cable on ahead, monitoring its entry path. They are planning for splashdown in the Sea of Japan. It will be simple for us to monitor their position." For the first time the ghost of a smile played on Mansur's face, a touch of pride in craft. "When this day is done, it will have opened a new era. This is. . . history."

Hoveida grunted, but his lips were curled in a smile. "Your people will be ready by sunset. We expect Anansi to establish orbit at that time. And then. . ." Now the smile was savage, predatory, so that Mansur laughed aloud. "Then the bird will fly."

Costa waited the laughter out. "And by that time, the men will be ready to disperse?"

"Of course. And the announcement of the attack will be made from Mehrabad." Hoveida's long fingers played through his beard. There was real pleasure in that angular face now. "The world will learn of our power." Then, with a touch of mischief, "But not of our friends."

Jorge Xavier had not slept for two nights. Again he lay alone in his bed, sleeping blinders snugly fitted to his eyes, two tranquilizer pills dissolving in his stomach.

And his wide-awake mind played with details, extrapolating and inverting logical constructs and examining minutiae with fanatic thoroughness.

Something was wrong. Some factor had changed, and was as yet unaccounted for. Information. With precise, accurate information, adjustments could be made, disaster averted, errors rectified. But something had been lost. He could feel it. It kept him awake and staring into the blackness of his night, turning the known over and over in a fruitless search for the unknown.

He ran a hand through his hair, feeling the cold, sticky perspiration that clogged his scalp.

In a few hours, when the final phase of the project came into play, Brazil Techimetal Electromotores president Castellon would certainly learn of Xavier's plotting, and the final power play would begin. If he was as intelligent as Xavier thought, Castellon would wait to learn the outcome of Xavier's gamble. If it was successful, he would not bring the law into the matter; that would destroy BTE's salvage claim to the cable. He would surely wait and attempt to ease Xavier out of the company before the

Castellon, the Arab fanatics, the Japanese... though they will do nothing at all, for what can they do? Like the men of space-

There it was: the men of space were not like the men he knew. It wasn't his country, this factory complex falling around and around-the Moon, with death waiting outside every wall. . . Xavier knew how to move people, but these people he did not know.

What they could do was nothing, he had seen to that- The telephone buzzed, and Xavier rolled over to push the intercom button, all in one galvanic spasm. "Yes?"

"Da Silva." The financier's voice was low, urgent, and Xavier propped himself nearer the speaker, tearing away his blinders. Faint light streamed in through his apartment window, the distant blinking of a neon billboard. "We have, received a message from Yamada."

All fatigue fell away from Xavier. "Continue."

"He is aboard the Oyama flagship in the Sea of Japan, as you know. Two days ago, they received word that Dr.- Dexter Stonecypher, the metallurgist who developed the cable, has fallen ill."

Xavier felt a momentary fury at being wakened for such trivia. Then the thought clicked into place: "He's aboard the Shuttle, isn't he?"

two days for Yamada to put a cipher message through to his mistress, who relayed it to us."

Two days... eight hours... "I'm coming in," Xavier said, rolling off the bed and finding his slippers in the dark. "Patch any new information through to me as soon as it arrives."

"Yes sir."

Xavier paused for a moment at his window, opened his blinds to look out over the night-dark, jeweled city.

So. Trouble. He did not doubt or question the instinct that had warned him, as it had warned him so many times before. Such, he felt sure, were the faculties of superior men, of warriors. Winners.

He pulled the blinds closed and drew on a robe. There was nothing to do but act, now, driving all uncertainties from his mind with an iron will. That, too, was the mark of a superior man.

Thomas stood on a broad icy plain, its horizon shrouded in mist. There were no mountains, no distinct clouds, no sound. He looked for landmarks: there were none. He walked and never moved, the horizon receding perfectly, evenly, until it seemed he was merely strolling in place, the ice stealing his traction.

screamed for him to run.

Why run? I cannot move.

It was closer now, and the closer it came the slower it seemed to move: a fireball that wailed its unliving pain as it fell. It struck the ice directly in front of him and before it struck he could almost see what it was. It wasn't lifeless at all. It seemed to be a face, or faces, and the more he strained to see the features behind the flame, the more it blurred. The ice shattered in slow-motion, steam and flame and screams of agony melding together-

Janet was touching his shoulder, her face, beautiful and pale, very close to his. Her fingers touched his forehead and came away wet. "You were dreaming," she said.

He blinked, looked around the room carefully: the lockers, the kitchenette, Dexter hanging suspended in his blanket like a bat sleeping with furled wings. He unbuckled his web with a shaking hand, pushed himself away from it. In three seconds the uncertainty and fear were gone from his face, wiped away like numbers from a slate. "Nightmare," he said, his voice already calm.

He floated over to Dexter. The metallurgist wore a pressure suit helmet now, in lieu of an oxygen mask. His breathing sounded ragged and hollow. In the three days since the heart attack they had watched the

the digital clock over the microwave range. "And all I could do was watch. And wait." He tried to smile. "I'm all right. Just a little tense, I guess. Three hours to orbit." He turned up the wattage on his smile and it came alive at last. "Even if Gabriel glitched on us now, we could still get the cable pod down. The program would be hairier, that's all. Who's going to EVA with me, you or Marion?"

"Marion. I'll stay with the Shuttle. Deploying the cable pod is no big deal, you know, and we don't have to do anything else till it's down in the Sea of Japan."

She took his hands, and the gentleness there almost frightened him, some proud child in his mind saying I'm not a basket case. Keep your sympathy- But he didn't pull away. "This hasn't been good, Tommy," she said. "I had hoped that this time together might be-" she shook her head, trying to find the words. "Well, if not healing, at least soothing. Pleasant. You know, the two of us doing something important together."

"We are."

"You know what I'm saying. This trip is really the end for us and...and I hoped that..." Her voice tailed off. "I don't know. I guess I wish it hadn't been quite like this."

He watched her, his dark mongol face changing not at all as he tried to choose among the thoughts that swirled competitively in his head. "It was

She nodded and started up the ladder to the command level, turning to watch him working at his console. She knew that she had already vanished from his world, replaced by the unliving and intangible. She didn't, couldn't, begrudge him that ability. If anything, it was the basis of much of her respect for him, if not her love.

The sight of Stonecypher touched off a sudden pang. Thomas was grieving more for the loss of that old man than for the loss of their marriage. She allowed herself the luxury of hating herself for that impulse. It was a small thought, an unworthy one. But it was real.

Perhaps he was right: it was too late to say anything. They would act out the rest of their roles, and take their bows.

Still she felt old, tired, and the strain of the past three days hammered at the gates of her control. She shouted it down. Not now. Not for another week. But when this was all over, she knew that she was going to find someone to curl up with and find peace- No, She would find a place to be by herself, and she would find her own peace. She glided up the ladder, feeling. . . not heavy, but massive, her mind and spirit swollen almost beyond tolerance.

The Earth was flowing beneath them now: fingerpaint clouds swirled in fluffy spirals on a blue-on-blue worldscape, sun glare blazing off the deep

to Oyama. We are in orbit at seven point one zero zero kilometers per second, altitude one four seven oh kilometers. We'll be deploying the cable pod immediately."

The voice that came back was dry and cultured, and relayed from the Sea of Japan by satellite. "Oyama Flagship One. We are tracking. Our present position is approximately two hundred miles southwest of Akita. Anticipate splashdown in two hours ten minutes, at eleven hundred sixteen hours, Tokyo time. Falling Angel has kept us well abreast of your progress. Most eager to receive package."

"You're aware that Anansi will not be going down?"

"We were informed. Please convey our sympathies to Dr. Stonecypher."

"Will do. We'll keep the line open."

A smile, the first warm one in days, was spreading across Janet's face. "Home stretch."

Marion Guinness watched an ugly smear of white, a frosty fingerprint of cloud, inching toward them on the great blue disk. He grunted, eyes narrowed a fraction. "Anticyclonic clouds-off Portugal there."

Janet studied it for a second. "Looks nasty. Don't think it will affect our drop much... but we better make sure that's programmed into the weather model."

"That's ground control's job. I'll mention it though."



He was tapping at the keyboard as he spoke, and Anansi continued to shudder. The cargo bay doors opened, quite evenly. Marion held attitude jet keys down, and the view through the windows swung smoothly: Earth, then stars, then the cable pod and ion drive, still linked, off to their right.

"I'll just bring us up close enough that we can use tethers," Marion said. "We can go out through the cargo bay." The cable pod and ion drive drifted past, then halted at another touch of the keys. "Now let's get dressed. Janet, take over?"

"I relieve you. Luck."

Thomas guided himself over to the lockers. He pulled his pressure suit out on its rack and plugged it in for a computer diagnostic. While that was going on he gave it a careful visual inspection. Satisfied, De Camp unzipped the front and backed in. There were zippers everywhere, and it took a limber man to get them all closed. Then it hugged him like a sausage skin. He pulled the fishbowl helmet over his head and clamped it down.

Marion was still suiting up. De Camp waited until his partner's helmet was on, then switched on his microphone. "How you doing?"

"Raise your volume a little."

"Now?"

Oyama Construction-eventually. They would have to wait until the next trip.

Marion was strapping himself into one of the chair-shaped mobility packs, and Thomas was right behind him. He checked the pack's circuits, then spared a glance up out of the bay. The Earth hung there, a dark swollen disk filling the sky.

"Ready?"

"Go."

In tandem, silently, the two men arced up and around until they cleared the wings.

The ion drive/cable pod combination hung close alongside. Everything looked fine. Thomas ran through his mental checklist. Anything wrong? Ten limpet motors mounted in place, undisturbed. No obvious meteor pocks. . .and what else could go wrong? The cable pod had been inert cargo till now.

Okay. Detach the mating rings. Separate the cable pod from the ion drive. Then back to the ship, check the cameras and other instruments, and send it on down.

The night-shrouded Earth formed a velvet-black backdrop. Here and there cities glowed; tiny sparks of lightning showed in the storm off Portugal.

"Ready?"

some kind."

Let's get the job done, daydreamer. "Where?"

"High in the atmosphere. . . Janet, did you see it?"

"No."

Thomas whistled low, in irritation. "All right, I'll take a look." He had almost reached, the mating rings, where the ion drive joined the cable pod. Now his backpack jets flared and he veered away behind Gabriel. "Okay, where?"

Marion sounded almost petulant. "It was there. I saw it."

Thomas closed his eyes and counted to five. "Right. Now can we get on with the-" The mating rings exploded, searing his vision white as the world turned to fire and pain.

Eight

DAMAGE REPORT

Space had turned foggy around him. Anansi's outline, blurred and dimmed to dark blue by the visor, whirled past his field of vision. There were flame-colors in the fog around Anansi, red and blue and yellow, dimming as they ballooned outward. Pretty, he thought. Flame in vacuum. He'd seen rocket exhausts, but never anything like this.

I'm tumbling! His fingers tapped at controls on his chest, and hot gasses jetted from his mobility unit. He didn't need his brain for this. He could have stopped a tumble in his sleep. "Marion, do you copy?"

There was a spitting sound, and a stress-tautened voice rang through the static. "Tommy! This is Anansi." Janet's voice gained control even as he listened. Good girl. "Bad trouble here. Something gave us a hell of a wallop-" There was a string of words obscured by hissing, and Anansi passed his field of vision again. "I've lost some external sensors-don't think cabin integrity has been compromised-"

He'd killed the tumble.

Janet paused, then spoke again. "Tommy- relaying message from Marion."

There was a click, and Thomas could hear Guinness' breathing, heavy in his ear. "Thomas?"

"Here, Marion. About a hundred' meters off Anansi. It looks pretty bad." The fog was thinning, dispersing in vacuum, the fire-colors gone. The

His voice went icy calm, freezing in an instant. "I think I have a leak here. . . ." His visor had cleared and he checked himself over. The rip was two inches above his knee. It was small, and the edges were bubbling as the silicone self-seal frothed into action. "Minor-class one, maybe. Suit is sealing, but I'm going to put a patch on it. Where are you?" Thomas took one of the flat, flexible repair patches from his side pouch. The accustomed clumsiness of his gloves frightened him now, with the wound in his suit bubbling air. He bit into his lip and forced his Fingers to obey, peeling off the protective backing and smoothing the patch into place.

"I have visual contact with you, Thomas. We're about equidistant from the cable pod, but I'm further astern. My suit-to-suit is out, that's why it took me a second to reroute through Janet. I think my mobility unit took a hit. Shrapnel, I guess...I'm tumbling. What the hell happened?"

The hissing sound had stopped, Thomas scanned Anansi. She was spinning around a skew axis. No obvious damage to the belly... none to the nose. . . she turned, and Thomas' heart sank at what had happened to the Shuttle's tail. The aft Reaction Control System pod on the left was ripped open and half melted. The fuel and oxydizer tanks must have ripped and exploded. That was the fireball. The RCS pod on the right looked undamaged. The vertical fin. . . blackened by fire.

form, looking much like a man strapped into a metal chair. A crippled man, Thomas thought. He aimed himself toward Marion and used the mobility unit thrusters.

His course took him past the cable pod and Gabriel, slowly drifting apart. He was able to spot more damage. The mating rings were still mated, still part of the cable pod, but splayed and melted, as if they had been packed with Thermite. Most of the limpet motors had been blown into the sky; a couple still clung, in skewed positions. Some of the silica heat-shield bricks on the rear underside of the Shuttle had been torn free.

He was running out of safety tether. Marion's must have been severed. The copilot was even now floating further and further from Anansi. Thomas hurriedly unhooked his own line before it could snap taut, and continued after him.

What in hell happened? He remembered Marion's words, ". . . a flare of some kind... high in the atmosphere. . ." and cursed himself for his disbelief. Guinness was a competent, trained observer, and Thomas made a mental note never to let personal feelings twist his judgement again.

Marion was still tumbling. Thomas watched his distance closing, and used mobility unit jets to slow himself a bit. "Hang in there, Marion."

"Haven't got a lot of choice. I can't get a good look at Anansi. How is she?"

The sweat droplets itched, and Thomas shook his head reflexively. The globules scattered, spattering into his faceplate and breaking into spray. A droplet hit his eye, burning. The suit responded to increased heat: a cool breeze blew up from his chin.

"His heart's giving out?"

"Yes, dammit, and I can't leave the controls. Get Marion in as soon as you can, he can see to Dexter while you check out the exterior damage."

Thomas gritted his teeth and adjusted his course slightly, preparing to move alongside Marion. The copilot was doll-sized now, a silver-white figure spinning slowly against a vast darkness edged with a thick crescent of white cloud and blue water. "Did you hear that, Marion?"

"God, yes. I'd like to think there's something I can do, but I don't know. Everything's happening at once."

"Just hold on." Thomas snatched at Marion's hand as he spun past. He caught the back of Marion's wrist, then lost his grip. That left Thomas himself rotating. He used jets to kill the rotation and got back to Marion, who had shed some spin. Again Thomas caught his passing arm, held on against the recoil, felt Marion's hand close on his wrist. They jerked and spun. Thomas used the gas jets until they were both facing back toward Anansi.

"Man," Marion said as he righted himself. "Am I glad to see you."

raced in a dozen directions at once. Damage. . . how much damage? And where? The cable pod was a ruin. It couldn't leave orbit. . . and most of the limpet motors were gone too.

The ion drive? Have to see, but with the cesium fuel tank ripped apart, Gabriel was surely unuseable. Anansi? Both aft RCS pods damaged, and what else? The vertical fin? Could Anansi move at all?

We could be marooned.

The ready light blinked green, and he swung the inner door open. Thoughts of material problems disappeared as he saw Dexter; anchored by blanket and electronic sensors. The metallurgist was in pain, shuddering, gasping for breath, and although he faced the opening door his eyes didn't focus.

Marion doffed his helmet and pulled himself over to his patient. He checked the life support readout and swore. With desperate speed he flipped the intercom to "on" and barked up to Janet. "Marion here. How long have Dexter's signs been running crazy?"

"Check the computer. I'm still evening out the spin." She didn't say, I'm busy, damn you!, but, he heard it in her voice.

He danced his fingers over the controls. The diagnostic readout board cleared, then began to display. Marion said something foul.



lights and sliding graphics that measured out the remaining moments of Stonecypher's life. The hand on his shoulder tugged again, weakly, and the copilot grasped it gently and turned back.

Stonecypher's eyes were glazed, his face wracked with strain. He labored for every breath, sweat standing out from his forehead in jeweled beads. His body shook, and the droplets spun off into the air, drifting as slowly as tiny soap bubbles.

"Cynthia? Oh God, it hurts!"

"It's Marion, Doc." He wiped Stonecypher's forehead. "You're on board Anansi."

The older man's eyes focused, and just for an instant he was there, really there in the Shuttle, a man who was weak, and pale, but lucid. "Anansi. What happened?" He grew more intense. "There was an explosion. Is the cable all right? Is...?" He gasped for air, groaning as if his chest were bound tight with chains.

"Yes," Marion lied, remembering the blackened, ruptured cable pod. After all, the cable itself might be undamaged, though they wouldn't be sure until Thomas finished his report. "Everything's fine. You just relax."

"Yes. . ." His eyes drifted shut, even as his body shivered in pain. "I thought... "I thought that Cynthia was here, but of course she wouldn't be." His voice was becoming slurred. "Tell her. Tell her and the grandchildren."

blur. He fumbled for a tissue. Crying was a mistake in free fall; the tear built up into a single salty globule over the eye.

Stonecypher's body, anchored by its sensors and tubes and safety strap; remained upright after the display buzzed dully and flashed red, after there was no more movement. And no more pain.

"Falling Angel, this is Anansi." Janet was steady now, as steady as the ship itself. The attitude jets in the nose had finally slowed the spin, and Earth's disk no longer whirled crazily past their windows.

"We read you, Anansi. Request preliminary status report."

In cold, precise words Janet recited the litany of torn metal and flesh that screamed to her from the dials and cathode ray displays. She repeated what Thomas had seen on his preliminary, inspection.

When she was finished she ran her fingers through her hair and calmed herself, feeling shakier than she cared to admit. There was the sound of cloth rustling against metal, and she heard Marion sigh. From the corner of her eye she saw the medical readout flashing red, and her head dropped.

Marion laid a slender hand on her shoulder. She saw his reflection, faint in the front window, as he shook his head in grim, negation.

He moved stiffly to his seat and immersed himself in the silent testimony of the readouts.

experienced terminal heart failure, apparently due to stress caused by the explosion."

The next 'voice on the line was Fleming himself, and he spoke with emotionless precision. "Can you describe the nature of the explosion?"

Marion leaned forward to the microphone. "I saw it, but I'm not sure I can describe it for you. There was a flash high in the atmosphere a few seconds before we were hit. Tentative hypothesis: missile attack of some sort. Never seen anything like that impact, though."

"Can you clarify?"

"The missile never came near us." He squinted, even the memory taxing his ability to communicate. Nothing like this had ever happened. "It was a bright flash, but tens of kilometers below us. Maybe there was another missile, but . . ."

"Well?"

"No, dammit, it wasn't enough. A missile the size of the one we saw would have blown us all to gas, What hurt us was an explosion between the ion drive and the cable pod. It looked a little like napalm, or ball lightning. No. . ." He squeezed his eyes shut trying to remember clearly. "The explosion seemed to crawl along the joining, spreading like the threads of a spiderweb. And it ripped up everything in its path. This was

Stonecypher's body down there. I'm going to. . . I don't know. Put him in his suit, I guess. Then take him into the bay." She knew what he was about to ask, and touched his hand. "No, I can take care of this myself. I need you up here. Be careful, Marion, and let me know if anything changes."

Nine

## THE GOOD NEIGHBOR POLICY

Fleming sat, deadly silent, as the computer-animated Anansi went through her holographic paces. The damage to Shuttle and cargo pod was outlined in red: the ion drive was swathed in it.

Connors was there in the darkened room. Like De Camp, he was an ion drive technician and operator, though he claimed, other skills too. He was a smallish beach ball of a man who kept to the low and null-gray sections of Falling Angel as much as possible. He was watching the cable pod burn.

Aerodynamics altered drastically, the grey oval began to glow soon after it reached the upper atmosphere. He watched as the foamed ceramic peeled off in blazing droplets, then chunks. The ruined fins had no hope of

He swivelled in his chair, fingers steepled, peering over them at Connors. "Accurate?"

"Only too. There's no way in the world we're going to get that pod down without repair. And that's a chancy job. The patching material is going to change either mass or configuration." He thought for a moment. "We'll have to check the possibility of pushing Stonecypher's foam projector out to them. Any ideas?"

"One big one. Susanoo will be in in an hour, and that gives .us an ion drive tug, Michael. You'll have to take Michael down to bring Anansi home. Any reason you can't push the foam factory down at the same time? I'll tell Strickland. I want a crew putting that package together quick."

The door shushed and Kelly was there, clothes thrown on roughly and hair unkempt. She seemed to be moving by nervous energy alone.

Stonecypher's death was hitting her hard.

Fleming had considered taking her off duty, giving her time to grieve. But Kelly was in this; it was her fight too, and her right to see it won or lost. And...she was needed.

He said, "Get me a line to Oyama, Kelly."

"There's something coming in on their frequency now, Doctor." She strode past him to her console, switched the transmission into the room. The bob cameras in the ceiling focused on Fleming.

please."

The air fuzzed for a few seconds; then a woman's face appeared. She was definitely middle-eastern, and her hair was pulled back severely. The transmission seemed shaky.

"Taped under bad conditions," Connors muttered.

"Nations of the world!" Her English was thick and studied. "We, the United Muslim Activist Front, have struck a great blow for freedom. Today we have proven that there is nowhere on Earth-" here she paused for dramatic effect. "Nor in the sky where the cowardly lackies of capitalism can hide from the wrath of the people.

"Today, using a surface-to-orbit missile of highly advanced capabilities, we attacked and destroyed the Space Shuttle Anansi. We grieve for the loss of lives. This tragedy was made necessary by the limitless greed of the capitalist nations, to warn them that they will not despoil the Earth and leave us a bitter husk. We will fight for our lands, and we will fight for our skies." She raised a khaki-clad arm, making a tight fist. "Long live the revolution!"

She faded from the screen.

"A Prometheus?" Connors asked incredulously.

"More likely the Soviet version." Fleming fell silent, watching the projection point.

hope-" he paused, trying to phrase his words delicately. "I hope his final work was not destroyed."

"Preliminary reports indicate that the cable pod was damaged. One of the crew, Thomas De Camp, is investigating more closely now. We hope to have a favorable report within the hour."

The younger Oyama's head bobbed fractionally. "As to the nature of the attack..."

"Yes?"

"As an industrial nation dependent upon foreign resources for our raw materials, Japan has suffered its share of terrorism. We have had brushes with the UMAF before. Never have they displayed the technical skill necessary to accomplish this feat."

Fleming glanced at Kelly and Conners. "Yes, but we can't say that they actually accomplished it, can we?"

"I see," Retsudo answered slowly, "that I must make my meaning clearer. Although they have used sophisticated explosive devices in the past, I am suggesting that a sudden leap into the space age must be viewed with suspicion."

"We. . . are viewing it with suspicion, yes." Kelly recognised Fleming's expression. Should I tell Oyama about Guinness's suspicions? He changed the subject. "Under the circumstances, it would seem impossible to meet

"Thank you," Fleming said, desperately wishing he could reach out and shake this man's hand. He understands, by God! "Thank you so very much, Retsudo. Unless there is something else, we have work to do."

There was nothing else, and the Japanese signed off, his image evaporating in snow. Fleming's mouth set in a grim line. "Conners, if there is any chance that that explosion didn't originate on Earth..."

He didn't need to finish the sentence.

Kelly broke a chilly silence. "Doctor, if it was a bomb. . . a mine. . . then surely whoever set it would have left with the rest of the Earthbound?"

Fleming didn't look up. "Yes. We might hope so. There's no way to be sure, not until we check out everyone who had access to Anansi during its drydock. Unfortunately, that could be almost anyone."

Thomas nudged the left toggle on his mobility pack, and came in for a closer look at the cable package. The tail was half in black shadow, half in blazing sunlight. The outer shell of foamed lunar stone, man-made pumice, had cracked and splintered, isolating the twisted fins and their attached motors. Thomas caught glimpses of the inner envelope in curves of blackened steel.

It looked unreal. Surrealistic sculpture.

"Thomas?"

"I'm moving in now. Contact in about ten seconds."



have been a missile.. Whatever it was, believe me, I'm not playing hero."

He played the jets as the cable pod approached. His legs took the last few pounds of recoil, and he hovered a few centimeters from the pod. He shone a hand-light into the wound. "Ripped right down to the inner package, but. . ." For the first time in an hour, a grin broke across his face. "I'll be damned if it doesn't look secure."

"Are you sure?"

"I'll be surer in a minute, but I really think the cable's intact."

"Thank goodness. I-" Marion broke off. When he came back Oh, all the pleasure in his voice had been leached out. "Thomas, I'm picking up something on the radar. Two blips, rising through the atmosphere above South America, ahead of us. Hold on, I'm getting Janet up here." Another pause, while Thomas pivoted his mobility pack, found South America and searched, the clouds. "Do you have visual contact?"

Another missile! We can't take another hit- "I don't have anything yet." He drifted away from the cable pod. He strained his eyes, the pain in his leg becoming a thundering heartbeat. "I see something. Two dots."

Janet was back on the line. "I'm here, Tommy. There's two of them. They seem to be matching course with us. What can you see?"

snarled ball of worms in his stomach. He could hear his breathing whistle harshly in his helmet. He tried to relax. It was pointless to speculate until Janet and Marion could talk to the Shuttles...

"This is the Space Shuttle Anansi calling unidentified Shuttles. Please acknowledge." Marion sat back in his seat and watched the speaker. No answer. .

Janet watched the radar image on the cathode ray display, wishing that they had visual contact. "Well, there are any number of possible reasons. Set our receiver to search the bands-they might be using an odd frequency."

He nodded, complying. "About three kilometers now-"

The speaker came to life with a crackle of sound. The voice it carried was American. "Anansi. This is the Shuttle Brasilia. Do you copy? Over."

"We copy, Brasilia. What's your business?"

The man on the other end laughed easily. "We're playing good neighbor. Heard about your trouble and came running."

Marion started to speak, but Janet raised a finger of warning and switched on her own headset. "This is Captain. De Camp of Anansi. We appreciate the thought. We can use a push, all right. You people are very efficient-

silently, but said, "I'll buy that. Who am I speaking to? And why are there two Shuttles? One's enough to tote us down."

Brasilia was silent for about fifteen' seconds. Marion said, "They're about two kilometers away now. One of them is slowing to a crawl."

"This is Captain Burgess speaking. We were set for a double launch when the news came in. The other ship is Willy Ley. Nobody aboard speaks English."

"Who sponsored the launch?"

There was another pause. "The Brazilian government owns both Shuttles."

Marion said it, softly: "That's not an answer."

Janet asked, "Why weren't we notified that you were coming?"

"We tried to reach you, couldn't get an answer. We assumed that your radio was damaged. Is that the case?"

"That is . . . possible. All right, Brasilia, what's your plan?"

"Depends on your situation. Can you reenter?"

She couldn't avoid a question so simple and so urgent. "No. We can't move. Both of the aft Reaction Control System pods are torn to hell."

"Well, as soon as it can be arranged, we'd like to take you aboard."

"And our cargo?"

"Maybe."

"Burgess. Ever hear of him?"

Marion watched the radar blips creeping toward them. "The name rings a bell, but I can't be sure. NASA, I think."

"And renting out to Brazil now?"

"You know something? That stinks." One of the dots was at rest near the cable pod. The other drifted toward Anansi. "The runner-up in the cable bidding was Brazilian. I think we'd better assume that our Captain Burgess is in the employ Of Brazil Techimetal-Electromotores. They want the cable."

Janet popped open a squeeze bottle of water and took a swallow's worth. She squinted at the radar screen. "Tommy." She opened the ship-to-suit band and started to speak.

Marion touched the base of her neck, caressingly, and put his lips to her ear. "Be careful. They'll pick up our transmission."

Janet combed her yellow hair with her fingers, fighting light-headedness. Distraction was the last thing she needed. Damned stupid stud! She hadn't been laid in days, and Marion hadn't either, and from the look of him now-concerned, alert, ready to back her up-the thought had never crossed his mind. Perhaps it hadn't. The caress could have been habit.

Janet thought cool thoughts. When she was ready, she said, "Tommy? This is Anansi. How is everything out there?"

voice took on a deceptively casual tone. "The ship here with me is Brasilia. The one heading toward you is Willy Ley. Didn't the Brazilian government buy that one about five years ago?"

"Go to the front of your class. Our friends are from Brazil."

"Well . . . as long as they don't want to play piñata with Anansi I guess we'll be all right. I think I'll stay here and check the cable pod awhile longer, if you don't mind."

"How's your air?"

"Fine. I switched bottles when I brought Marion in. By the way. Falling Angel and our Japanese friends both have a legitimate interest in any decisions made out here. Let's tie them into the communications link."

Janet pressed her mike a little closer to her mouth, smiling. "I like that idea. You hang on out there. There's an answer to this."

"Let's define the questions first. Call me when you have something." And he clicked off.

Janet resisted the image of Thomas, tiny against the hulk of the cable pod, sandwiched between it and the Shuttle Brasilia. So vulnerable...

Marion sensed her mood and laughed aloud. "'Play piñata with Anansi.' Was that Thomas saying that?"

The black underbelly of Willy Ley was pulling into their field of vision. Janet watched it speculatively: "They killed Dexter. One ship...only one ship is doing all the talking. The other one is hanging over our heads, ready for action if things go wrong. 'Jane' back there-" she jerked an impatient thumb in the direction of the cable pod and Brasilia-"is going to be all sweetness and light until they realize how much we've figured out."

"Then Tarzan swings in and takes the bananas."

Janet laughed suddenly. "Burgess is cute." She caught Marion staring and said, "Not cute that way. I meant that offer to take what's in the cargo bay down for us. It's all stuff for handling the cable. So the tools go down to Brazil, while Willy Ley claims the cable. Then BTE offers to buy the tools too."

"Cute," Marion said without a smile. Willy Ley had halted, hanging suspended above them, a silent reminder of their helplessness. "We've got to get out of here. There's no way in the world that we can let them get away with this kind of piracy."

"We can't go anywhere. No rocket motors." Janet pounded her fists against the console, hard, once only. "Never mind. If there's a way, I'll find it. We'll find it."

Ten

checked his air gauges. No problem. It was just too warm, too quiet and, with his faceplate fully polarized, too dark. Sleep was a natural path for a body in pain to take.

He looked up, saw Willy Ley blotting out the stars like a great dark scavenger, its belly armored with heat-shield scales. "I'm here." His breath whistled in his ears. "My friend is here too." He rotated his suit to face Anansi. She seemed close enough to reach out and touch, a toy floating at arm's length. "I'd really like to come home."

"How's the leg?"

"It still hurts, so it's okay, I guess." The patch on his knee was secure, but it was too easy to picture torn flesh under it, and he winced away from the image.

Janet sounded relieved. "Good. Listen. We're thinking about the ride home we've been offered-"

No! "Janet, listen-"

She interrupted him urgently. "No, Thomas, you listen. We have to remember what Dr. Anansi always said: 'You have to know where to draw the line.'"

Dr. Anansi? What the hell was she talking about?

"So check over the pod once more, then come on back. No arguments-I hope I don't have to make myself any clearer."

Thomas sipped from the nipple at his cheek and washed his mouth out hard before swallowing. It wasn't cold, but it helped him feel awake and alive. His battery gauge looked okay; he turned up his cooling system a little. He detached his safety line and crawled back along the gently curved surface of the cable pod.

It was clear enough what she wanted... and that wasn't going to be easy. But for what?

There were steel handholds and foot rests placed for the benefit of those who had built the cable pod. Thomas was glad for that. Early astronauts had half killed themselves trying to work in free fall with nothing to brace themselves.

Anansi = spider. Doctor = Dexter Stonecypher. Draw the line- Thomas paused, gripping one of the metal hand rungs. They killed Dexter! The thought echoed within his skull, a mix of grief and incredulity and rage, shockingly strong. Thomas wasn't used to dealing with rage.

He moved on. Willey Ley was a massive shadowed wedge: like an Empire battleship from Star Wars, ludicrously dangerous.

Access to the cable was at the back Of the pod, between the fins. Heat from the explosion had remelted some of the lunar slag, and Thomas' fears were justified: the access plug, a steel screw-hatch set in the cannister and now showing through the ripped foam shell, was warped. He crawled



plier-like thing with blades and pressure points of tungsten carbide, designed solely for gripping or cutting Stonecypher's cable. The enormous gear ratios and the small motors inside it made it a massive object indeed.

It made a dandy hammer. He braced himself and pounded the wheel a few times, rim and center. Break up the vacuum cementing. He tried the wheel again. It didn't move.

He flipped on his radio. "Janet. There's something here that needs to be secured, or vice versa, but my air will be running low in about fifteen minutes. I may have to leave it."

"Your choice."

Thomas detached the cutting torch from his belt. He braced himself anew, for fear of being jarred loose. In free fall and vacuum, the torch would act as a rocket. It even had a flared nozzle to direct most of the flaming gas away from the man holding it . . . and some of it still sprayed in all directions into the hard vacuum.

He worked the torch in a circle around the screw, holding it a fair distance from the metal. He wasn't trying to cut anything, yet. He only wanted to heat the surface as evenly as possible, to expand the metal.

Without atmosphere, there is no convection to help get rid of waste heat. But there is conduction, and Thomas, enveloped in gas that was vacuum-thin but flame-hot, was swimming in sweat within a few minutes.

dropping. He had to try now. Another five minutes and he wouldn't have the safety margin he'd need to return to the ship. He clicked off the torch and reached for the wheel.

It was unpleasantly hot, and he knew that without his gloves the flesh of his hands would have been seared to the bone. Again, he set his feet, inhaled deeply, and threw his body into the effort. There was an inch of give, then it stuck again. This time he didn't give up. Thomas gulped another lungful of air, then hissed it out in an explosion of total commitment.

It moved. Sluggishly, as if the screw didn't quite fit the grooves any more, but it moved, and the ion tech grinned in savage satisfaction. Even the pain felt good.

He unwound a foot and a half of steel screw before it finally came free. The first two meters of cable were sheathed in yellow plastic a quarter of an inch thick, but after that it seemed to disappear. He cautiously grasped the plastic section and pulled it out into unfiltered sunlight. It unreeled easily.

Beyond the plastic was naked cable, the precious end product of seven years of work and hope. Almost as thin as spider silk, it was a dim hairline that barely reflected the light at all. But frail as it looked, Thomas knew that no man alive could sunder that line with strength alone. He was looking at a

line tautened behind him. Drag slowed him almost to a halt.

But the cable was running free, unwinding, spinning out behind him like a single strand of spider silk. He fired the jets again. Anansi wasn't far: a quarter of a mile, no more. If the drag cost him his backpack fuel, the cutting torch would still serve as a rocket.

Thomas loved open spaces. He had traded the vast plains and rugged mountains of his youth in southern Alaska, for a greater vastness. But now, crossing on invisible thread between the cable pod and his own ruined spacecraft, with bandit ships ahead and behind... he felt utterly vulnerable. Can't fight, can't run. Has Janet got something in mind? Or is she just thrashing around?

For all of his life Thomas had analyzed his emotions and fragmented them and shoved them away into convenient pockets. Later he could take them out, like moldy, forgotten, half-melted candy bars, and examine those old feelings after they were too dead to hurt him. He knew that was what he would be doing in the asteroids. Safely distant from Janet and a ruined marriage, he would exhume the memories and perform an intellectual autopsy. Probing here, culturing there, until he knew everything about it that there was to know, and could file it away forever.

And never, never experience it.

said, "The mobility unit's dead."

"I'll refuel it now."

"Bombs," Thomas said. "Time or radio controlled. If they put one in the locking ring, maybe-"

"I searched." Marion shook his head. "Can't find anything that shouldn't be there, but there's no way to search everything. You want to open every package in the cargo bay?"

"No."

Janet spoke in their helmets. "Marion, are you ready to go for the limpet motors? We've got to have them."

"I'll go right after I refuel the mobility unit."

"What's chances of their spotting you?"

Marion grinned. "Oh, they will, but they're not likely to guess what I'm doing."

As he dream-walked to the airlock, Thomas saw Dexter Stonecypher's two-meters-plus of pressure suit lashed to the side of the cargo bay, partially wrapped in tarps. It looked almost like a clumsily prepared mummy, but for the ridged boots sticking out at the lower edge. He stepped into the lock, still looking back at his friend's body.

Thomas was exhausted on every level his senses could touch, but still felt himself tense when Janet began helping him out of, his suit. "I can do it, damnit-" .he started to say, and only then realized how his voice and body were trembling.

"Don't, Tommy. Don't push me away now, please? You need help. Don't make me pull rank on you."

Somehow, that made him smile. He stumbled back out of his suit, limbs feeling clumsy and swollen. He hadn't noticed it before, but his left leg didn't hurt as much anymore.

There was blood darkening the synthetic material of his overalls, partially clotted now, and he didn't resist as Janet helped him to a web. He curled his fingers around its strands and closed his eyes. He heard her busy herself at the first aid cabinet, felt her as she snipped away the material to expose the wound.

"Tommy. . . you should have let Marion do the inspection. This should have gotten attention hours ago."

He felt too weak to argue, and didn't. Her hands were cool and. soothing as they manipulated his leg, gently wiped away the thickened blood. "There's something in there, all right. This is going to hurt a little." He flinched as the knifepoint of pain lanced into the muscle over his knee.

eyes met, and he knew that some of the accumulated resistance was gone, that a direct current of understanding passed between them. His mouth grew cottony, and he swallowed hard. "I'm tired, Janet, but I can keep going. Now. Why did you want the cable? And why the limpet motors?"

"I've got an idea." She waved at the expanse of scribble-covered paper. "Look it over. Tell me if I'm crazy."

Glad that there was no gravity to test his knee, Thomas crossed to stare at her diagrams.

She had sketched a Shuttle outline, recognizably Anansi. A line ran straight up from the Shuttle's open cargo doors. An arc of Earth's surface was below. The line reached up to a rocklike shape with fins. In the middle of the line were the words "Approx 2 km?" Off to the side were two Anansi-shaped craft emblazoned with skull and crossbones.

"I'll be damned. Tides," he said.

Janet spoke from behind him. In her voice was a touch of belligerence, and a bit of a stammer too. "After all, we want Anansi to go down, right? And the cable should go up, out of their reach. Well?"

"You're not much of an artist," he said, images flowing together in his mind like colors in a paint-by-numbers drawing. "But you don't have to be. You're one hell of a smart lady."

carry enough fuel to get very high. If we can put the cable in a higher orbit, it'll be out of their reach. They'd have to launch a Shuttle with an auxiliary tank. Falling Angel will have an ion tug here before they could launch. I think we can beat them," she said, moving up close behind him. She seemed a little breathless. "The cable can take the stress if Anansi can."

"Anansi and the cable and Dexter's special staples and glue. It all has to hold. Mmm..."

Enveloping the squat outline of the Shuttle were wavy lines representing atmosphere, above the curve of the Earth's surface. In Thomas's mind, stress vectors performed a wardance, and he burned to get to his computer. "Nobody's ever tried anything like this," he said slowly, "except for some early gravity-stabilized camera satellites. The satellites would reel wires out in opposite directions, and tidal effect held the wires oriented on a line through the Earth. They don't do that any more."

"Why not?"

"There are better ways to stabilize a satellite. Never mind. We have all the information in the world on the cable, the structural strength of Anansi, tidal stress, winds. . ." his voice trailed off. "I'll have to try to program a model of this."

"Marion and I tried it, but you'd better check us out."

finger along the pencil line connecting Shuttle and cannister. "They may not sit back and let us rescue ourselves."

Marion floated up behind him. He was puffing. "Listen, Thomas-it's not quite as bad as that. The bandits can't even see the cable. We use those last limpet motors to thrust us down and backward in our orbit. They'll see that, but they won't know why. Down and back puts us in a lower orbit than the cable pod. We'll pull ahead of the cable pod before the line goes taut. When the cable starts reeling out, maybe they'll figure out what we're doing." His smile, still tinged with darkness, began to glow with the promise of merry Hell. "By that time it'll be too late to grab the cannister or stop us. Let them try to match orbits with us! We won't be in an orbit!"

"We'll have to stall them somehow," Thomas mused, thoughts snaking away in a dozen directions at once. "We can't be sure how desperate they are."

"Sure we can." Janet tapped a long finger hard on one of the Jolly Rogers. "This is the first act of space-age piracy. It takes a lot of momentum to get a ball like this rolling. BTE must have its ass right on the line. Hundreds of millions at stake. With that kind of motivation, their contingency plans are bound to include murder."

"They've proved that already. Thomas, Willy Ley hasn't said word one the whole time it's been over our heads. Brasilia says that Ley's pilots don't



"I'll handle the communications. If there are any questions from 'Jane'-" she ruffled her blond hair ruefully. "-Brasilia, I'll be ready to answer them. We also need to keep up some harmless chatter with Falling Angel and Oyama. Harmless chatter." The words seemed to choke her. "God, I hate this. I want so bad to tell those bastards exactly what I think of them, and here I have to chit-chat like Sunday supper."

"Let's get to work, then." Thomas moved to a computer input. His fingers were twitching. "None of us is going to feel alive until we're doing something. And I don't think you have to worry about the 'harmless chatter.' They know we're upset. They won't expect frivolity. Show you're hurt. Hide the anger."

Janet nodded. "As long as they know. Eventually."

Eleven

IN PLAIN VIEW

Half the boxes and pressure-packed equipment in the cargo bay had to be moved, restacked and lashed to the walls to redistribute the floor space.

crated cutting tools, Stonecypher was there urging caution. The cable grippers and special gloves were boxed separately, and had to be moved to the side. Without them, the cable was nearly useless, capable of slicing through the strongest case-hardened metals like a razor through skin. Yet they were not just tools, they were Dexter's legacy, and there was a nearly reverential silence as they worked.

When they were finished, the walls of the entire bay were lined and stacked with boxes, but most of the floor space was clear.

Marion removed a cable gripper from the already opened package, and worked it a few times to lubricate the joints. With his feet anchored in Velcro, he reached up and clamped the tool to the cable. He pulled it to the floor. It gave easily, and sprang back. The quarter-mile length was too flexible.

"We need slack, and we can't pull it out from here," Marion said with some reluctance. "It won't unreel. We'd end up with the whole cable pod nestling cosily up against us."

"Okay."

Marion saw Thomas unloading a fresh mobility pack. "Hold it. Isn't that my job now? You're hurt."

"Pulling cable out is the easy part. You'll be here doing the muscle work."

All right, go."

Thomas rose in a nearly invisible burst of thrusters. Marion turned back to work. He had opened a crate of Stonecypher's special staples when he heard, "Marion?"

"Here, Janet."

"Any problems?"

"Nothing we can't handle." Did she know where Thomas had gone?

"I want you to hook a camera to the manipulator arm. I want to maintain visual contact at all times."

He couldn't help glancing up at the hovering black wedges. A picture of silent, armed figures emerging from Brasilia's open cargo doors, gliding down to Anansi-"I'll do that now."

He hooked the auxiliary camera up, and tied it into the main video display. "Are you getting it?"

"Fine." She didn't ask where Thomas was. So far their words had given nothing away, painted no image save that of a desperate Shuttle crew trying to save what they could of their mission.

Videoscreen #3, directly to Janet's right and below the rectangle of the Surface Position Indicator, filled with snow as the camera activated. She waited for the automatic tuning to do its best before she began to fiddle.

was looking past one of the bay doors, down toward the blue mists of Earth and the silent "Tarzan," Willey Ley. She toyed with the thought of trying to talk to them again, then directed the camera back down into the bay. "Everything's fine. Color's fine. Carry on."

Marion began setting staples. Janet rotated the camera until she was looking up: out of the bay, outward from Earth. Tommy was a dwarfed, shapeless figure approaching a great grey monolith, the cable pod.

At a thousand kilometers distance, in full sunlight, Earth was big enough to spark the fear of falling. Thomas' jets pushed him outward, past one black wedge-shaped bandit and toward another.

They'd see everything. The tail of the cable pod was in full sunlight; Anansi's cargo bay yawned wide open. They'd see, but would they understand?

Thomas came in slowly, to one side of the ruined tail. The cable was a thread of light, glowing in raw sunlight, easy to avoid as he pulled himself around the jagged shards of torn heat-shielding.

Thomas set grippers to the cable, tugging gingerly at first, then with increasing power. After a moment's hesitation it began to unwind from the spool. He pulled it out a meter at a time. At first the line remained almost taut; then it began to form loops.

them. He kept his hands on the yellow leader, stringing it under the staples. Then he sprayed the three lengths with more of Stonecypher's special epoxy.

The staple box was half empty. Marion pursed his lips. Then he began laying more cable, continuing the zigzag pattern. He used cable grippers to hold the strands in place while he sprayed epoxy down its length.

He could feel the strain of exertion in his back, and his suit was getting warm. Good warmup, this. Finish with stretching exercises...in an hour or two, or three. Thomas had given him plenty of slack, and he could think of no excuse for stopping. Twenty strands...thirty. . . no more sunlight now. The floods in the cargo bay gave plenty of light. He'd lay a hundred strands or so, and plant staples along the last three.

Don't get too tired, he told himself. Tired people make mistakes, and this stuff is deadly. Wup! Thomas doesn't have any light at all!

"Thomas, Marion speaking. I've got enough to work with. Take a break. Wait for dawn before you start again," he said, hoping that was cryptic enough for the bandit ships. Hoping Janet could spin them a song and dance.. . but lying was not one of Janet's skills, Marion thought. A few good lies might have saved her marriage. . She'd have to learn quick, to save the cable.

He set back to pulling cable. His abused arm and shoulder muscles had stiffened, and he groaned and kept working. The cable hung in loops around him.

It would have to do, Marion thought. He was getting too far aft in the cargo bay. It wouldn't do to have Anansi hanging nose down. Besides. . . if he laid twice that much cable it would give them no more safety at all. It would hold or it wouldn't.

He took a break. No need to lie "down"; he simply closed his eyes and let every separate muscle relax. A minute passed, or two, or five...

To work. Marion removed the two remaining limpet motors from their clamps and plugged them in for a diagnostic. "Janet?"

"Everything seems fine, Marion."

"Good. Tommy, you've probably done enough out there. Come on back. I can use, some help here."

Thomas was puffing. "I can use a change. Coming in."

The men had both taken a few minutes' rest, and Janet was glad. They were working too hard. Now, too soon, she watched Thomas trigger his backpack and come straight up toward the camera, hauling the pair of limpets after him.

Isn't that what you always wanted....?

Not a comfortable thought. Worse: was her husband trying to out-macho Marion? It would be utterly unlike him...but what in God's name would she do about it?

The camera followed Thomas toward Anansi's tail, limpet motors trailing behind him like fishing bobbers floating in a darkened sea.

The intercom hissed. "This shouldn't be too bad, but I wish we didn't have to depend on the limpets."

"What's on your mind, Tommy?"

"Control. We can control the forward attitude jets more precisely than we can control these."

She shrugged into the blind microphone. "They don't have enough fuel. We've got the limpets lined up along the original motors. They should thrust through the Shuttle's center of mass. If they're off a little, I've still got the nose jets."

The ship-to-ship line broke in, and the voice on the other end was curiously polite. "This is Brasilia calling Anansi." Janet turned the camera to get a good look at Brasilia hovering just beyond the cable pod.

"Captain De Camp here, Burgess. What can I do for you?" She kept her voice as light as possible.

anything we can't do for ourselves. What did you have in mind?"

"Captain De Camp, if I'm talking out of turn, so be it. We can see you placing limpet motors on what's left of your RCSPs. Now, you've got to know that two limpet motors won't change your orbit by more than a hundred kilometers or so-"

"Less."

"Even if you could reach atmosphere... well, your ship doesn't look like it can still maneuver. If you accept our offer and let us take you down-"

So you can claim Shuttle, cable, everything in our cargo bay and what's left of the ion drive too? "No, we have to try this. But if it doesn't work we'll be glad to accept your offer."

Pause. "We may not be able to wait forever. Why not be reasonable?"

The first glint of steel beneath the glove? "Burgess, you have to understand. We may have lost the cable and the ion drive-" she knew he would love hearing that-"but we've got to try to save what we can. Leave us that much dignity, please."

She swivelled the camera, searching for Thomas. He had reached the left RCSP, and was adjusting the limpet before triggering its magnetic lock. Behind and above him, Brasilia seemed to have drifted closer. She hoped it was an illusion.

"Burgess. . . how much room do you have aboard?"



and not be. . ." That's too much. These people killed Dexter!

There was no sound from the other end of the line, but she knew that Burgess was listening, and that Willy Ley was listening too. The next words were for them. "When you're in a tightly-knit community like Falling Angel, eccentricism just breaks the monotony. You care about those people-it's hard not to. They're likely to be the most straightforward, dedicated, intelligent people you'll ever meet in your life. You tend to make them family. Brothers, sisters. . . and if Fleming is Falling Angel's father, then Dexter Stonecypher was our uncle, the crazy one nobody understands and everybody loves.

"Now he's dead. Terrorists killed him. The United Muslim Activist Front, I believe they said. They killed him, and someone is going to pay for that." She was trembling, and paused to relax her stranglehold on the control panel.

Burgess spoke slowly. "I see what you're saying, yes."

"I hope so. After all, you're part of this too, aren't you?"

Silence. Then, "What do you mean?"

"Space. 'The Final Frontier.' How much of your life have you invested in it? You must have dreamed the same dreams as Fleming and Stonecypher, and me. You must have watched '2001' and 'Star Trek', and

twisting the knife. "Or even worse, for money, well, friend, that's tearing at the heart of the dream, that hurts me, because I give a damn. I hope you can say the same thing." She leaned back from the microphone, drunken with the need to vent her anger.

"What the hell else would we be doing here?" Burgess asked with answering anger. "Do you know what one Shuttle launch costs?"

Thomas' voice broke in. "I've got the limpets set up, Janet. We're ready for a test firing."

"Good, Tommy. Get back into the bay and secure."

Burgess spoke. "Anansi- I'm still not sure what it is you have planned.

"You don't have to be," she said bluntly. "We're going home, if we can. If we can't, we'll lock up Anansi and come down with you. Fair enough?"

She armed the limpets through the main computer and synchronized them with the forward attitude jets. She triggered the vernier thrusters. The blue-white globe below the wings rolled forward, until the cabin windows looked straight down on Borneo and Sumatra.

She hoped Tommy had given her lots of slack on the cable. Without that the cable could slice deep into Anansi. She couldn't ask, not by intercom... She let Anansi roll a few degrees further. Then a short burst of verniers slowed and stabilized the Shuttle, pointing down-and-backward in its orbit.

"Are you secure?"

"We're both in the bay, tied down."

"In five." She counted off the seconds and started the limpets. The thrust built up behind her: trivial pressure, just enough to disturb her semicircular canals. She kept an eye on Brasilia, waiting, then sighed as the bandit Shuttle began to inch past.

They had never planned a test firing. To what point? They didn't have fuel to spare. She had expected Burgess to be shouting at her by now, but there wasn't a sound from Brasilia. Perhaps he didn't want to interrupt her during a difficult maneuver. Or he might be just confused.

Who was Burgess? Why didn't he have the good grace to be smoother, slicker, more like the pirate he had to be?

Anansi was yawing left. The limpet motors weren't quite balanced. Janet used verniers to steady the nose. Vernier fuel wouldn't last forever either...

Her camera showed 'Willy Ley and Brasilia and the cable pod dwindling aft. Anansi lurched as a limpet motor ran dry, and Janet chewed her lip and rode the verniers until the other quit too.

Then, in haste: a long blast of vernier jets to bring the nose away from Earth. When Stonecypher's cable went taut it must stand straight up from the cargo bay. Otherwise it would wrap around the hull and slice away pieces.

The sun had set only an hour earlier, but on that camouflaged section of the Iranian plateau, work was nearly completed. Electronic and mechanical equipment, scaffolding, transportation gear and prefabricated living quarters had been broken down and shipped or destroyed.

Djalma Costa watched the last of the half-tracks, sagging with gear, roll groaning into the darkness. Most of the technicians supplied by BTE had already left. Soon there would be little but packed sand and sun-scorched brush, and nothing at all to connect BTE with the historic events of the past twelve hours.

The Prometheus had risen on a billowing cloud of fire and dust. Forty pairs of eyes watched it go, a spontaneous scream of victory urging the missile on. Just as reflexive was Costa's sexual arousal, and his urgent need to retire from the launch site. They'd launched late, late!

Never had he experienced anything to compare with that moment. It still flashed to mind as he wove between the evacuating workers, heading back to his own tent. Dark stains glued his shirt to his body, as they had during much of the day. But now the stains were beginning to stink of fear.

They were watching him. There was death in the breeze that flowed across the sand, fluttering canvas and paper, sending dust-imps dancing through the camp.

tortured creak from its frame. "It seems," the terrorist leader said, as calm as Death, "that the missile did not strike the Shuttle squarely."

"I don't understand." Costa held himself to balanced proportions of concern, surprise, consternation. Anything else would be suicide.

Hoveida pivoted the folding chair to watch Costa more carefully. There was no tension in the Arab's body; he was as relaxed as a coiled snake. "I mean that there was an explosion, and the ship was crippled. One crew member was killed, or has died, it is difficult to be sure how this happened. The crew is presently evaluating the damage."

"I...I was assured that a strike by a Prometheus was impossible to survive." He let anger seep into expression and body motion, springing from his chair. "I'll have to answer for this-No. At least I'm not responsible for the choice of missile. I proceeded just as instructed." He calmed himself and addressed them apologetically. "Please, I do realize that the fault lay with our equipment, not in the work and planning your people put into the project. Now, how badly did we damage them? Spacecraft are so vulnerable. An injured spacecraft should be useless for anything." He should want to know these things. Shouldn't he?

He faced Hoveida squarely. Why doesn't he mention the broadcasts? The cable vehicle might have started down before the Prometheus arrived, he thought in bitter despair, so Xavier's men set the bomb off early. Did

capitalists. . . how far would their credibility sink if that were known? Indeed, mightn't their own followers turn on Hoveida and his Angel of Death?

If they were positive they had been lied to then all of the promised funds would mean nothing, would be no protection at all for BTE's personnel liaison... Would Hoveida have to be positive?

Costa was jarred out of his reverie by a scream of rage, and he threw himself backward, stumbling, as a jeep nearly ran him down. The driver shook his fist, spitting words in Arabic as he wove his way out of camp. Costa sat on the ground, listening to his attempts to swallow. Dust and fear clogged his throat, making it difficult to breathe.

One of his technicians offered a hand up, and Costa refused, shaking his head violently.

The little man dusted himself off and stood, for an instant unsure of his next move. Then, sucking the back of a skinned hand, he headed toward his tent. It rattled its flaps at him as he ducked in, looking back over his shoulder to see if anyone had followed. The camp was an anthill of activity, workers scrambling to a hundred tasks, but there was no sign that he had been singled out.

His luggage lay packed, two cases on his bed, one by the tiny washbasin. Costa opened one of the cases, ran his hands over the

Costa steadied his nerves, and left the tent.

Leaving the camp was a nightmare, even under cover of darkness. He was sure that every eye followed him, that his every movement was a lethal betrayal. He tried to blend into the shadows, to become part of the night, slipping away from the lights and movement, belly-crawling through the dust and sand until he was far enough from the camp to stand and run.

And run he did, northward, feet slipping on the sand until he felt like a mouse on a treadmill, until he found the patch of hard flat sand he had scouted three nights ago. There, almost a kilometer from the camp and the men he had betrayed, he sat to wait for the helicopter.

There were insect sounds, and the distant purr of motors and voices, but Costa screened those out, peering into the sky, waiting and praying. Where was it? Surely it would come.

Minutes passed. He looked at the glowing face of his watch, and shivered, lying close to the sand. The wind blew coarse grains into his nose, his eyes and mouth, but he lay as silent as a lizard, waiting.

Where was it? Surely the helicopter had been waiting, fueled, pilots at the alert? Surely Xavier had chosen only men who could be trusted with a task of such urgency? Surely Xavier- A finger of doubt traced its way up his spine, whispering betrayal in his ear. What if Xavier knew that he was likely

over him like a freezing breaker, restoring the calm and sanity, sending the doubt scurrying for cover.

He could even see the landing lights. He stood and waved, knowing that they were picking him up on infra-red by now. "Thank God," he said with unaccustomed reverence.

Something hit him a smashing blow across the back of the head, and he fell, mind too full of sudden pain for questions or even fear to reach him. He fell face down, unable to soften his descent, nose impacting squarely with the sand. It felt broken, clogged with sand and what tasted like blood. A rough hand clamped brutally on his shoulder and rolled him over.

Hoveida planted a knee squarely on Costa's right arm, put the point of his knife over the little man's solar plexus. His eyes gleamed in the dim light. "We will find your master, never fear, and will send him to join you in Hell."

Costa tried to speak, but as he opened his mouth something slid into his body, tearing his body, tearing his vitals, and the breath to speak or scream was pinned within him. Hoveida smiled broadly, pulled the knife free and wiped its blade on Costa's face.

From the corner of his eye Costa saw the helicopter draw nearer, heard shots. With a sudden whine of the engines, the copter veered away,



## DOVE OF PREY

Everybody was talking and nobody was communicating. Maybe that wouldn't bother a Brazilian, but it was driving Captain Eric Burgess crazy. Worse: he was doing it himself, and for his life. He watched his instruments and kept his mouth shut; but inside, he seethed.

The tradition of the United States space effort had always been: communication is life. Ground base had to know everything; when something went wrong they could tell you what to try next; at worst they could tell the next man how you died. Silence violated Burgess' earliest training. . . but his life had been going gradually screwy ever since the government leased his contract to Brazil Techimetal Electromotores.

He was forty-eight years old, a barrel of a man who fought constantly to keep his weight within regulated limits. This had little to do with laziness on his part. On the contrary, Burgess found his problem to be an expansiveness, a hunger for experiences and the exotic that sometimes exceeded his ability to safely assimilate them.

facility, where once a month he rode the Shuttle Brasilia into orbit. Sometimes he and Ricardo Diaz, his copilot, would place satellites, or ferry up a pressurized "can" for zero-gravity industrial experiments. Once the "can" had been filled with Brazilian officials. It was a mess afterward; half of them had been sick.

'He found he could talk to the officers of the Brazilian Air Force. 'Because many of them had once been pilots, they shared an empathy difficult with the politicians, and nearly impossible with the businessmen.

But in the two and a half years he had flown for Brazil, never had an assignment troubled him like this one.

Forty-eight hours ago he had been placed on alert, driven from his apartment in Sao Luis to the National Aerospace facility some thirty miles north. Willy Ley, the new Shuttle, had flown in piggy-back on a 747 just six weeks ago. It had had one shake-down run, and was supposed to be ready for the regular flight schedule. But there was nothing "regular" about the scene that greeted Burgess on his return to National Aerospace.

Two Shuttles were mounted atop their twin launch pads, bellies nestled to external tanks and solid rocket boosters. Brazil Techimetal-Electromotores engineering consultant was with Colonel Olivera when Burgess reported for assignment. Burgess had met Lucio Giorgi before, and had not disliked the man: he carried his age with an old-world

checkout procedures. "I expect you'll want us to get started immediately." The mugginess of the past few days in Sao Luis fell away like a cloak. This was more like it! "Are we having a dual launch? If we're doing that I'd like to get together with the captain of Willy Ley-

Something in the air changed the instant he said that. It was as if Olivera and Giorgi had been waiting for him to ask that question, and were ready to explain something they didn't expect him to understand.

Olivera, his small black eyes watering slightly, looked back at Giorgi, who raised a single thin finger. The older man spoke, with the tone of a teacher lecturing an unfavored student. "Brasilia and Willy Ley will be performing separate functions during this exercise, and we feel it would be counterproductive to bring you together at this time."

"You're wondering if I can respond spontaneously? Wouldn't it be easier to test that in a simulator? This has got to be awfully expensive for a test."

"We consider the expense a worthwhile investment, Captain." There was dismissal in Giorgi's voice. Burgess didn't like it, but he took it.

The countdown began thirty-six hours later, prematurely. A rescue mission. A Shuttle belonging to Falling Angel, the American industrial facility in lunar orbit, was in trouble. Burgess watched the UMAF's flat-faced zombie read her announcement, and could barely believe what he had heard.

solidified.

It had to be coincidence that two Shuttles were ready to go when Anansi was attacked. After all, what could anyone possibly gain by such an attack? Only madmen...

His instructions were to take the crew of Anansi aboard, and take them down to safety. Then why was Willy Ley here? Their "mission specialist," Correro, had spoken with Ley several times, in Brazilian. But surely any spacecraft pilot would speak English?

There were too many separate things to bother him. The suspicion and hostility that showed through. Captain De, Camp's voice (and she wasn't saying anything either!), the ominous silence from Willy Ley, and perhaps more than anything else, the command to take orders from Correro-

Lost in his speculations, Burgess jumped when Ricardo Diaz pushed a foil-lined pouch of hot coffee into his hand. Diaz said, "It looks like we're going to have to wait, Eric."

Burgess nodded. Out of the corner of his eye he watched Correro. He and Diaz might have been brothers. Both were slender and strong, both tall, and their skin matched for tone. But Diaz was bright and cheerful, with razor-edged reflexes and an invaluable knack for second-guessing Burgess' needs.

had been aboard. Hadn't he been working on some kind of super-cable? Burgess stirred around in his mind, looking for answers.

Salvage. Omigod. That was what the second ship was for, to take charge of the cable after the crew of Anansi went down. But all indications said that the "rescue" mission had been ready for days. And that meant-

He had to be wrong. But the doubt and suspicion continued to grow...and the fear.

"They're descending," Diaz said quietly. "I don't see how they can expect to do it. They lost too much fuel."

"I know...just stupid pride, I guess. Diaz, we'd better stay-with them. They'll sure as hell need help."

Correro watched as the adjustment firing was made, then rose and clumsily made his way downstairs.

Diaz waited for the man's head to disappear down the stairwell, then nudged Burgess. "Something's wrong, Eric."

"You smell it too?"

The younger man shook his head vigorously. "I heard it. He is talking about guns. Some of what he said was in code, you know? Code words, but I heard 'guns.'"

quickly. He nearly cannoned into the seats, managing to check himself at the last second with a desperate grip on the chair back. Burgess concealed his contempt while Correro studied the screen. "Are you sure? They may have placed one of their limping motors on the cable pod."

"Limpet," Burgess~ said flatly. "Whatever it is, you'd better have Ley correct for it."

Correro barked into his microphone. They had no visual contact with the pod, but radar showed that it had risen above Willy Ley, and was continuing to gain altitude at about seven meters per second. The same rate, Burgess noted with interest, that Anansi was dropping, at least according to the computer. Burgess watched the other Shuttle rise past him. . . but his computer told him that Brasilia's own orbit was contracting, that

Brasilgia was sinking.

A quick burst of attitude jets brought Brasilia and Anansi even again. A few minutes later he had to do it again. And the cable pod continued to rise...

Burgess scowled. "I don't understand what's happening here, Correro. Anansi's rocket pods look like shredded lettuce! Where are they getting the thrust?"

decided that he liked Corroero less than any Brazilian he'd yet encountered. "All right, you're calling the shots. But I'll bet your friends in Willy Ley aren't doing much better."

They corrected three more times, and each time ended up dropping past Anansi, having to waste more fuel to come even again. Burgess had the distinct feeling that the unseen Captain De Camp was laughing at him, and was within a whisper of understanding why when his headphones broke into his train of thought.

It was Colonel Olivera. The officer's bluff voice had sharpened almost to a whine, and Burgess had little trouble sympathizing. "Captain Burgess-our ground computers are telling us very strange things. The Anansi is traveling too slowly to maintain its orbit."

"I can verify that. There doesn't seem to be any way for us to stay matched with them." He tuned his ears sharply now, waiting for the response to his next question. "I tell you what-why don't we just forget it? It's pretty clear that Anansi doesn't want to be rescued."

There was a blurred silence on the other end, marred by static. When Olivera came back on-the line there was a new, ugly sound in his voice. "Captain Burgess. I want you to understand something. You will either complete your mission, or be arrested on landing."

stake.. You will follow our orders, or upon landing you will be turned over to a military court."

And shot. Burgess couldn't help filling in the rest of the threat. It was such absurd melodrama that he almost laughed.

And he almost, but not quite, asked: And what if I don't land in Brazil? What if I ditch out somewhere that doesn't have an extradition treaty with Brazil? Then he realized how close behind him Corerro was. Come to think of it, could Diaz be in on this too? Granted that the two of them, the Americano and the young Brazilian air force officer, had made the round of bars in Rio. Some of the better brothels, too. But what did that mean when you came right down to it? Just how big was this operation? Millions? Tens of millions at least. Olivera, he could be sure, had been well bribed. BTE had to be in this up to their wisdom teeth. It had cost one life already, and no Americano pilot was going to stand in the way now. That was what Correro was for.

"Talk to them, Burgess," Olivera said nastily. "Make them see that they must cooperate- or we will be forced to become unpleasant."

There were questions, things that he wanted and needed to ask, but there was nobody on the line to answer, and he kept them to himself. Talk to them? His forehead was damp, but he didn't wipe it, didn't want to give Correro the satisfaction of seeing how shaken he was. What would he say?



"I'm . . . sorry. I didn't realize I was talking out loud." Burgess looked out of his front window. Brasilia was almost directly above Anansi's tail. The crippled ship was sliding away from him even as he watched. He could see directly into the cargo bay, could see that the bundles and packages intended for Oyama Construction had been lashed up against the sides of the ship, leaving a cleared floor space. He clucked to himself thoughtfully. It fit a pattern.

Anansi?

Years go, in a class on cultural anthropology, his teacher had discussed West African legends. Burgess fished through his mind. and found Anansi, the archetypal spider who had climbed a silk line let down from heaven. Like the Japanese Susanoo and the Greek Haephestus and the Christian Lucifer, Anansi had worn out his welcome in Heaven. He had talked a dove into bringing him down again. Anansi was an unpleasant one; at the end of the flight he had eaten the bird. There was a moral there somewhere, but damned if Burgess could find it. He reached for the microphone.

"Anansi, this is Captain Burgess aboard Brasilia. Do you read me?" There was no reply, but he knew damned well that they heard him. What could they gain by communicating with him? "Anansi. . . I know that you're just trying to live up to your legend, but be a nice spider and talk to me, huh?" Still nothing. How far would he have to push it before De Camp knew

exaggerated. "You can't make it yourself, believe me. You need our help."

This time the dove is the predator.

Still there was no answer.

Correro had made a decision. The "flight specialist" was tired of waiting. "All right, Burgess-" He deliberately smeared out the first syllable of the name in a long, nasty sound. "You've had your chance. The Willy Ley will take over from here. You are to exchange positions with the Ley, and guard the cable pod."

"Just what are you expecting Ley to do?" Burgess wasn't totally sure he wanted to hear, but part of him was fascinated, horrified but fascinated, by the drama unfolding around him. He didn't know what to do or whom to trust. Hasty action could get him killed. If, on the other hand, he kept his mouth shut and did as he was told, there might be enough in this for everyone. He hated himself for thinking that, but it didn't stop the image of golden coins from flashing into his mind.

"The Willy Ley will do what it must. You will do as you are told, or Diaz will take control of the Brasilia."

So. There it was. Burgess nodded silently and laid out his new course. The cable pod was eight kilometers from Anansi at that point, and still climbing.

alone. The crew had killed all unnecessary power usage. Even if everything went exactly as they hoped, it would be a tight squeak.

But the mugginess had more to do with tension than with any quality of cabin atmosphere. Marion, Thomas, Janet, they sat lightly, stiffly, and their faces bore an intense, nearly identical listening look. They listened to their own bodies, to minute changes in the few pounds' weight of themselves against their chairs.

They were not watching their instruments. Given their present mode of transportation, the computers were quite useless.

Suddenly all three relaxed. "That's better," Marion said. "I thought we were hung up."

Thomas nodded; he'd felt it too. Anansi hung from the sky like a piano being lowered from a building, its nose tilted perhaps ten degrees upward. Moments ago Thomas's seat had surged upward, as if the cable were dragging. It was all right now. . . or was it? If the cable stopped unreeling, the tidal effect would still be pulling them gently downward-

"Damn it," Marion demanded, "are we moving or not?"

"Hard to tell...no, we're moving," Janet said. "About a kilometer every forty seconds. Call it thirty meters per second. At least we've still got the altimeter."

the motors flash, and she eases up to us and then drifts away again...wups. Something's going on. It looks...Brasilia and Willy Ley seem to be headed for a summit meeting."

Both men craned to look past her. The two blips were drawing together on the screen. Thomas allowed himself the luxury of a moment of hope, gazed at the fragmented clouds still so far below them, but early optimism could get them killed.

"They're passing each other. . . they're changing places. Tarzan is swinging down to play."

"Oh, shit-I think you're right." Janet pushed away from the screen, turned her chair to face them. "Theories? What have they got on Willy Ley that could force us to stop?"

Marion held up a hand to tick off options. With small satisfaction, Thomas noted that the hand was not entirely steady. "Weapons, first of all."

"Not outside the ship; they'd burn off. Probably nothing big enough to blow us out of the sky, either. Even mounted in the cargo bay, we'd have seen it by now. If they'd known how much trouble we could give them, I think they would have just planted a mine inside the ship somewhere."

"Maybe they have, Janet." Thomas was talking from his pessimistic place, but he couldn't resist the temptation to answer his own implied question. "But we'd better assume they didn't. We've searched the cargo

this whole thing is a gamble." Marion's eyes were wide and almost boyish. He flicked at his hair in resignation; in the absence of gravity, it stayed flicked. "All right, then. The next possibility is men. Armed men, in mobile suits."

"Now that's a more likely possibility." Janet gripped Thomas' arm. "What do you think, Tommy? Can they do it? You've had more experience with the suits than either of us."

"The ships can't match orbits with us. We're under acceleration, however untraditional. Willy Ley might plot our course and drop some men off in an intersecting path. . . wait for us, then blast like hell with mobility units. Pretty tricky, but if they're good they might be able to do it." The inky negative thoughts roiled awhile, but once again he saw dark and bright sides both. "I'd bet they aren't much good. If they haven't figured out our play by now... Hey, Janet, what kind of game is Burgess playing? It sounded like he was trying to lay clues."

"I think he knows." She reached for his arm, and her grip was tight. "Why he didn't just come out and say what was on his mind, I don't know. Maybe. . ."

"Maybe what?"

"Oh, hell, I don't know. Maybe he's got qualms. But then what's he doing with the pirates in the first place? No, forget it."

and heading toward the stairs. "How many CO2 extinguishers do we have?"

When Marion joined Thomas on the lower deck, the ion drive tech already had the survival gear pulled out of the lockers, and had selected the flare kit and fire extinguishers for special consideration.

He was working on the first of two fire extinguishers with a screwdriver, his face tightened in concentration as he peeled the metal safety strip from around the bright red cylinder. "Just two, and lucky to get those," he said. "They'd never be used except on the ground. Fire in space, you just open the doors."

Marion watched a moment, then asked, "What can I do to help?"

De Camp flicked a glance at him. "Ever work with explosives?"

"Only as a kid."

"That will have to do. I need the primers out of two of the flares. Be careful."

Marion took the latched plastic box that held Anansi's emergency flares and anchored it next to Thomas at the work bench. Inside were two flare guns, and four flares nestled in styrofoam. A, memory ticked... "Thomas, don't we have a .45 or something? A lot of the old emergency kits had them. In case you set down in hostile territory or something?" He peered at

on your scope? Or a visual yet?"

The flared nozzle came free and he glared at the remainder of the extinguisher: safety ring, valve, and the thumb trigger that would send a steel needle through the metal foil sealing the cylinder.

"Ley is ahead of us and still about four kilometers up, Tommy."

"Good." He glanced at Marion, who had worked the flare free of its shell. "If we don't blow ourselves to hell, I should have our surprise ready in about twenty minutes." He clicked off the intercom and went back to his work: loosen a base screw, carefully twist the valve free...

"Yeah," Marion said absently sorting through Thomas' magnetic tool rack until he found needle nosed pliers. "I did a little fooling around when I was a kid. Nothing really special . . . except once."

"Once?"

"Yeah." Marion had adjusted the swanneck lamp to peer directly over his shoulder, so that the light went right down into the shell. He inserted the pliers and groped carefully. "I was a preppy-Air Force preppy. Dad sent me to military school so I'd be officer material. Anyway, I made some enemies in high school." He had hold of something at the bottom of the shell, and twisted slowly. "Bruiser named Oscar. Oscar Irving. I wrote poetry at the time- terrible stuff, I did the world a great service by becoming an

cross-marking. "Just want to weaken this a little." Marion was silent while Thomas made his delicate operation. He only realized that he had stopped breathing when the cylinder was pushed to the side and carefully moored in place. Thomas smiled weakly. "Anyway. What happened?"

"Mmm?"

"At your school." Thomas lifted the next extinguisher on end and scrutinized it.

"Oh, yeah. Well, I had a locked desk, and someone kept breaking into it. Brute force, he'd just yank the drawer open hard enough to break the lock. He'd steal the poems and post them on the bulletin board. It happened twice, and everybody knew who was doing it." He went to work on the second shell. His expression was somewhere between concentration and reverie.

"I had access to the chem lab. I precipitated 'some nitrogen tri-iodide." He glanced over at Thomas, saw the pursed smile surface and smooth over again. "Ah, you know of it. I didn't have any trouble getting iodine crystals and ammonia. I had some trouble getting hold of ether to wash it. Seems that two cadets had been dismissed the semester before for getting high on the stuff, and the professor kept it locked safely away. I had to go out and buy some."

"Simplicity is the mark of genius," Thomas said. "Go on."



"Just hold on for now, and get me two extension cords, the kind that clip into the cargo bay light sockets."

"Got it."

Thomas had almost finished with the second extinguisher when the intercom came back on. "Tommy, Willy Ley is closing on us from behind. They've set up an intercept orbit. We'll be on them in about ten minutes. No way to maneuver. Are you ready down there?"

Thomas wiped at his forehead, trying to control his breathing. "Almost, Janet." The second extinguisher was naked except for the foil cap, and he carefully scored it. "Five minutes."

Aware that his movements were growing erratic and jerky, Thomas forced calm into his hands, searched through his cabinet for the putty. He took the first primer and friction-taped it to the tip of the electric etcher, then attached the taped bundle to the top of the fire extinguisher, molding it tight with putty.

When he had done the same with the second etcher and the second fire extinguisher, he looked at both of the jerry-rigged devices and shuddered. "Damn-if only we had more time. . ." Then shook his head and started for the suit rack, taking down his helmet. "Marion, plug the etchers into the cords, but don't plug the cords in."

is his shirt. You know nitrogen tri-iodine: it's perfectly safe when wet, but when it dries it'll go off if a fly lands on it, and it leaves that iodine stain all over everything. Oscar was the Purple Man for a couple of days. He had a wonderful time explaining to the Headmaster exactly how it all happened, and what he was doing in my desk. I never had any more trouble after that."

Thomas chuckled, and helped Marion into his suit. It smelled no better than Thomas'. "You're not too bad, Guinness."

"The worst part of it for poor Oscar was that he didn't even get one of my better poems. It went something like, 'Roses are red, violets are blue, orchids are purple and so are you-'"

Janet's voice, low and urgent, interrupted their laughter. "Tommy, Marion, listen to me. I've got my camera on Willy Ley. They've dropped off three EVA's. Mobility suits and what look like rifles, maybe light rocket launchers. We'll intersect their path in about four minutes."

Thomas and Marion sealed each other's helmets on, and gripped hands, hard. "Let's do this right," De Camp said soberly. "We'll only have one chance. Janet? Do you read me?"

"Clear, Tommy."

"Good, then cycle us through the airlock. And one more thing: I want you to kill all power in the cargo bay. . ."

speaking out against the deplorable working conditions which supposedly existed in the camps. A bundle of high explosive wired to the ignition of the priest's Jeep had proved an effective rebuttal to his charges.

But there had never been anything like this. Strike Leader knew that he should have rejected the commission out of hand. His team wasn't even BTE's first choice, and he knew it. Their fee would be sufficient for a comfortable retirement. He would have a name again; he might even publish his memoirs ("As told to. . .") But none of these would have been reason enough.

He'd thought he could back out if the training went badly.

There had been two weeks of briefings that resembled high school physics courses, interrupted by weightlessness training in water tanks and in airplanes swooping through parabolic arcs. The team had, lost Wolf Three: weightlessness sent him into screaming hysterics. Wolf Three wasn't good enough. It was too late then. Strike Leader had accepted the challenge.

The lure of deep space had entered his soul via American movies with subtitles: 2001 and Star Trek episodes and Moonraker and Star Wars; but Strike Leader didn't know that. He knew only what he felt: a fiery anticipation of war in space. One day it had to come. Strike Leader ached for the glory of being first.

like a donkey: the bulky inflated suit, the massive mobility unit, his weapon, the narrow-beam radio poking from his helmet like a single huge ear. Every motion was an effort, free fall or no. He forced his attention onto his oxygen level, the positioning of Wolves One and Two, the violent work to come.

He fingered his weapon, an automatic rifle capable of firing thirty rounds of explosive ammunition per second. He felt confident that it would punch through five centimeters of fused alumino-silicate glass, leaving the captain and crew of Anansi splattered around the command module like so many squashed insects. All that preparation for a few minutes of real work. It was always that way, unless, things went wrong.

He wagged himself from side to side with his mobility harness, giving it a last test. His suit-to-suit link came to life. "Strike Leader, this is Wolf Two. I have visual contact."

"Willy Ley, this is Strike Leader. What is your estimation of intercept time?"

The voice from Willy Ley was thin and nervous. Strike Leader did not much like the sound: a weak man on Transportation could ruin the most tightly-planned operation. "Approximately ninety seconds, Strike Leader."

He could see Anansi against an arc of Earth's horizon, a wedge shape that wouldn't have covered a postage stamp, but visibly growing. He and

slowed. Wolf Two, scrambling to get out of the path of the hurtling juggernaut, triggered his jets in the wrong direction, accelerating directly into it. There was a brief squeal of pain, followed by the shriek of a dying radio. Strike Leader caught a brief glimpse of a dark hunchback-shape tumbling helplessly away, limbs twitching spasmodically.

They should have had time to practice! But Strike Leader himself was above Anansi's cargo bay, firing attitude jets sideways, then dropping between the curved double doors even as the jets continued to slow him. He felt savage satisfaction. He would make Anansi suffer for this loss . . .

Where was Wolf One?

No sign, anywhere. He gritted his teeth, hissing out a long string of filthy words, transmuting his fear into smoldering anger.

The silence, the total alienness of the surroundings had to be pushed far back, back into a corner, so that he could operate from the Killing Place. He had found the Killing Place in the African desert, he had found it in the jungles of Brazil and the backroads of Bolivia. It was a place where the gentle emotions swirled out beyond the periphery of consciousness, and the harsh feelings-fear, anger, lust-combined to burn a hole in his mind, making a concentrated furnace, a white-hot place where nothing existed except total commitment. Once he found the Killing Place he was set, ready for whatever came.

often enough to know to take no chances.

There were entirely too many shadows, too much darkness. Which way was the airlock? If they didn't let him through he had the explosive to blow the door clean off its hinges. Find out what the crew would do with a lungful of vacuum. In fact, with his backup men gone, perhaps he should do that, and to hell with their chance to surrender. How would human beings die in vacuum?

His light caught a glimmer of something on the floor. A trap? He stayed motionless while he studied it. Two rows of metal disks. . . and a glint in the air, right in front of him, like a line of spiderweb where sunlight caught it.

A thread. Anchored to the floor and stretching up into the blackness, beyond. Could this. . . this . . . be the cable that his employers were after? He almost laughed, and the sudden absurdity wiped away much of his tension, and he found himself calm once again. Now then, to business.

He headed for the airlock door. There was weight here, minute weight, different from Earth and different from what he had learned of free fall. Therefore he walked with care, aware that a trained enemy might have the advantage.

An unfamiliar voice spoke over his suit's speaker, saying in English: "Power!"

something punched through the fog at him, streaking past his chest at ferocious speed.

The second flash took Strike Leader full in the side before he ever saw it. He was smashed back into a wall of cases, dazed, surprised to be alive. Then he heard the sucking whistle, looked down at the fluttering burn hole in his suit, and knew that he wasn't.

The urge for self-preservation warred with a need to deal death. Strike Leader tried to compromise: he covered the hole with one arm, while the assault rifle chattered in his other hand. Cargo crates erupted in showers of metal and plastic. The cloud of carbon dioxide crystals fragmented, boiling up out of the open hatch until the entire bay was frosted with thinning wisps of vapor.

One burst, before Strike Leader realized he was still leaking. His ears spewed air; they felt like ice picks had been jabbed into them. Now he used both arms to block the burn-hole, too late. His body tried to expand like a balloon: irresistible pressure in belly and guts and lungs. His sphincters wouldn't hold the agonized fart, the explosion of foamy vomit across his faceplate; but he did try to hold his breath. His instructors had said that was a mistake. He remembered that when he felt his lungs tearing apart.

He thrashed, bouncing off the floor and upward. He tried to sip air from his hissing recycler, but it was still thinner than what was in his lungs. His

## PENDULUM

Marion stepped out from between two stacks of cargo crates. He was shaking badly. Right next to his hiding place, Strike Leader had made a direct hit, shattering a sack of viscous fluid. It formed itself into rough globules, floating through the bay like dark amber soap bubbles. One floated toward his faceplate, boiling sluggishly, expanding. He brushed it away with the tip of his flare gun, hoping that it wasn't any kind of corrosive.

"Thomas? Are you all right?" At the opposite wall, there was movement as one of the carefully wrapped bundles was pushed aside. The little ion tech looked up at the drifting body of Strike Leader.

There was a note of savage satisfaction in Thomas' voice. "We got him. I can't believe it. We actually got him!"

"Tommy! Is everything through down there? What happened?"

"Only one came down, Janet. Did you see what happened to the other two?"

"One rammed us. Probably regretted it. I can't find the third. Any damage? Are either of you hurt?"



eating up a lot of fuel, and about now they must be making some tough decisions."

Marion laughed. "I'd like to be in on the vote. What do we do now?"

"We've lost about eighty miles altitude-" Janet's voice changed, lowering almost to a growl. "Well, well-Willy Ley seems to be dropping out of the game. At least they're dropping off my scope. Good, that leaves us with Brasilia. I wouldn't think they're as dangerous, given they were supposed to take us down to Earth."

"Still hovering around the cable pod?"

"Right, and burning fuel every time they want to get close."

"What have they got in mind? They've got seven hours to do something," Thomas said. "Let's be careful. I want to do any clean-up we can, and then get back out of this suit."

"Good enough. See you when you're through."

"Anansi?" Fleming's voice carried concern, fear and anger across a quarter million miles of emptiness, pulling Janet out of a half-doze, nudging her back toward useful thought.

"Read you, Angel. Things are getting a little wiry. Lost track for a second. I won't let it happen again." Can't sleep! She wiped her forehead, found it already dry.

"Never mind. What is important is that it's all out in the open, now that you've broken radio silence. We will communicate with Oyama Construction on this, and that will get things moving on Earth." There was a dampening sorrow to his voice. "You know, nobody would have dared try such a thing while we were part of NASA. The, whole world knows how helpless we are. Maybe I. . ."

Janet's fingernails grated on the metal of the control display. She could finish the thought for him: Maybe I shouldn't have bucked the system. Too late. Now we're clay pigeons for anyone who wants what we've got...

"No, Doctor," she snapped. "We've done what we had to do. We have to fight and we have to win, or they'll roll all over us next time!"

"Yes. Sorry." Fleming had taken savage shocks in the last few hours: Dexter Stonecypher's death, the crippling of Anansi, the bandit spacecraft, all had taken their toll. His voice had thinned until it seemed an old man's. "You've, described your mode of descent, and our computers back you. It can be done. But you'll need emergency landing facilities: crash nets, ambulance, fire trucks-

"We can still make Okinawa. I see no reason to change plans."

"Fine, but we'll set up your alternate sites. I want no mistakes. You people are coming back, dammit. I'm not losing any more of you."

danger, and the almost intolerable stress, she felt absurdly happy that the three of them were working so well together. Tommy seemed more alive and spontaneous than he had in months, and Marion...Well, Marion seemed very good at following directions, but a little weak on establishing them.

She smiled sourly. A hell of a time to be making comparisons between ex-lover and soon-to-be-ex husband.

Or is it? After all, I put Marion aboard. Husband and lover and me, all cozy in a tiny Shuttle cabin, millions of miles from any distraction... theoretically. What would a good shrink make of that?

Janet watched her hands shake, felt her fingers curling as if caressing a cigarette. Funny... haven't wanted tobacco in years...

Thomas was first up the ladder, and he nodded to her. "What do you think? Did we get all three of them?"

"We may never know. I can't find that third bandit. If he's falling free he'll be a hundred miles down by now. Maybe he got back to Willy Ley. Anyway, all we have to worry about is Brasilia."

Marion eased into his seat, and Janet couldn't help but appreciate the grace with which he moved. Free fall was paradise for the lazy, but it was Marion's element too. She checked the air temperature, expecting to find

"Good. I think I've had about all of this I want." Thomas rubbed at his eyes. "I feel like my glands have been pumping me full of Greek fire. Somewhere down there I must be tired unto death, but it's a little hard to find, you know?"

Marion looked at Thomas curiously. The man's face was full of shallow creases that hadn't been there a day ago, and a haunted look had deepened his eye sockets. He could have been five years older. When he moved, there was a tight-skinned caution about him, as if he thought his shell might burst.

"I tell you what," Marion said impulsively. "When we get to Tokyo, I want to buy the three of us the biggest steaks we've had in years. Not that freeze-dried muck at Falling Angel, but three fearsome slabs of Kobi beef." He could taste it: almost a true hallucination. "Beer-fattened. Dripping, with sizzling juice. Garnished with slivered, quick-fried vegetables."

"Wokked?"

"Thomas, I don't care if they ever got enough exercise as long as they're fresh-"

Thomas guffawed and swung at him, and the three laughed together, the laugh fading to quiet as they really looked at each other for the first time. Janet clucked sadly. "We're quite a trio, aren't we? Here we are, three

first time."

Thomas opened his mouth, and Janet shushed him in protest. "Wait a minute, what is this, group therapy at 200,000 feet?"

"Why not?" Marion wondered. "Six hours to go, dangling like an ambitious spider. Psychoanalysis can be fun."

Janet seemed to struggle for words. "Oh, what the hell. Tommy, Marion, I owe you both an apology. I think maybe I wanted the two of you here with me."

"Why?"

"Because I hate to fail, dammit, and I failed with you, Tommy. I couldn't ever compete with your machines. Maybe I thought if you saw me interacting with Marion, if you could really see that it was over, feel that it was over. . ." By the dull light in the cockpit she looked haggard, the brilliant gold of her hair washed out into a pale straw.

Marion gave a low whistle. "I guess I could have figured something. You pressured me hard. Hum. I was supposed to be on exhibit? And Dexter for a referee, maybe?"

The floor surged up against Thomas' Velcro slippers, and his hand snaked out for the back of the control chair before he realised what it meant. "Oh, shit, it was just getting interesting."

the goddam treacherous dove that was going to take us down from Heaven. Any obvious weapons, any special tools for hijackers, wouldn't they be aboard Willy Ley, where we couldn't notice them? Cutting into the cable pod would be a tremendous job. Maybe a torch would cut the cable, but they won't do that either, because they want it. So. . . you're right. They're trying to jam it."

"Dammit, no! They can't get aboard the cable pod. They can't match orbits," Janet protested. "Don't you see, the cable pod isn't in an orbit, it's hanging from the sky like another spider, under tidal gravity. If-" The floor surged.

Thomas kept talking. "One bandit got aboard us. I think they put someone aboard the cable pod. Now, what could he use to jam the cable?"

"With that line running out at. . . Janet, you said forty meters per second? It'd cut through steel, easy."

"Something harder than steel, then. Synthetic diamond or sapphire: the faceplate from a pressure suit. And it is cutting through, cutting notches in the wedge, can't you feel it? The poor bastard has to keep pulling the wedge out and jamming it in again different." Ghost of a smile on Thomas' face.

"Not any more," Janet said. "Check the altimeter. We've stopped."

Into the silence Marion asked, "How far down are we, Janet?"

enough to drop into the atmosphere. Give the bandit on the cable pod a hell of a shock. He'll rise so high that Brasilia won't be able to rescue him and still get down. . . no?" Because Thomas was shaking his head.

"We don't have to hope," he said. "We can do the math, but I already know the answer. We're not low enough or slow enough."

Janet asked, "Tommy...how much range do we have on the mobility units?"

He barked laughter. "Nothing like enough. I'd never make it up."

Beneath them, Earth was a hazy blue sheet with a subtly curved horizon. "Close enough to taste . . ." Janet bit her lip painfully hard, then slammed her fist down on her knee. "No! We can't be beaten now. Tommy, isn't there something? Some way to get up to that pod?"

"I'm stale. I'm out of ideas, Janet. I'm sorry." He looked miserable, hollow, as if he were collapsing in on himself.

"Not so fast," Marion said. "We've got some time. Brasilia can't do anything. They probably wouldn't cut the cable even if they could. They may have to wait for turn-around time on Willy Ley, have it bring up special tools. . . a missile, maybe. Blow us away and collect the cable. But we've got hours. He was trying to project hope in his voice and his thinnish face, but Janet knew it was mostly bluff.

"Any idea what you're looking for? No? Cable collars, epoxy. . ." Her eyes scanned the list. "... lubricant, motorized cutters. . . pulleys, staples, tackle..

Thomas cut in. "Tackle? Give me the specs. Tackle as in block and tackle?"

Janet tickled the computer's memory. "As in fishing tackle, I'd say." The image looked like a cross between a geared fishing tackle and a C-clamp.

"No. It's for the construction workers. They can rappel down or climb along the cable with it." His gaze was reflective.

"Tommy!" Janet realized what her husband was thinking, and objected instantly. "You can't pull yourself along three hundred kilometers of cable! That gripper isn't even motorized."

"Doesn't need to be. The gear ratio is enormous; look at it! Just like the cutters-"

"No. I don't like it, we'll have to find another way. They'll see you coming!"

"Not from Brasilia they won't. I'll be too small, and they won't be anywhere near the cable pod most of the time. Whoever they've got on the cable won't have radar. I'll fall on him like a bomb."

Marion asked, "Why do you keep saying-"

"No. Me. Janet needs you for the landing."



down. Hey, do you think I want to play hero? I know where my priorities are, that's all."

Marion stared at him. "I bet you do. I wouldn't blame you for wanting a white hat. Janet, if you know where your own priorities are, tell this man that you love him."

Janet's mouth was numbly open as she tried to see through Thomas' mask to the workings within.

"Janet, will you tell him? Your husband is about to go and commit suicide to get your approval-

"Oh, cut it out!" Thomas snapped, then fell silent.

"Tommy? Tommy, look at me."

He wouldn't; he glared at the floor as if his life depended on it.

"See?" Marion started up from his chair. "This time, I go."

"Wait just a minute, Marion." Thomas looked up. "Maybe my motivations are mixed up, but it'll still take two, pilots to land this bullet-riddled, bomb-blasted, crippled wreck, assuming it's possible at all. No amount of macho theatrics can change that. If either of you has any real reasons why I should be here instead of up there, I'd be glad to hear them."

"Tommy," Janet said softly, "I love you."

eyes were squeezed shut. "Marion. Anything?. . . No, I thought not. I'd better get going."

Janet got up. "Marion, take charge here. I want to. . . help Tommy get suited up."

"Sure."

Thomas was already thinking through the fastest way to find the tackle—so many damaged crates!—when he heard Janet lifting the ceiling grid into place behind her. She shook her head, and her hair fluffed out in a pale halo, framing a face that was drawn, but softened with concern. She pushed herself down from the ladder, with practiced ease guiding herself over to him.

Her voice was almost timid. "Have you... have you replaced the recycler element? You'll want as much time as possible before...damn." She stopped herself in mid-sentence. His suit still hung out on the rack, not yet cleaned or deodorized, and she ran her hands over it, a dull, wordless ache emptying her chest.

Her husband checked over his equipment, carefully sorting out the necessities for his last few hours of life. She could almost see him checking off items on his mental file-cards. He had withdrawn far into that quiet, lonely place where no one ever trespassed.

"Oh, Tommy, can't you say it?" Her voice was low and husky, and she was very near him now, her lips a breath away, her arms entwining his shoulders like thick warm vines. "Can't you?" He turned his face away, but his body betrayed him, arcing forward to press against her.

His mouth worked, but nothing came out.

Janet ran her fingers gently through his hair and said, "Shhh..." and something inside Thomas De Camp broke. Suddenly he was holding her, and their lips were melting together, and their hands were ripping Velcro strips apart. Janet gasped, shocked at the intensity with which they gripped each other, as if they were two seventeen-year-old virgins intoxicated with first lust.

Then her legs were around him at the hips, and she had kicked off her shoes. She gripped the netting with her fingers and toes, forcing his back into it as they tried desperately to say all of the things that had never been said, knowing that it was too little, too late.

It was too volcanic to last more than a matter of minutes. Seconds, really, but time was an artificial construct, far from her reality, when Janet opened her eyes and looked at her husband.

He laughed uncertainly, and licked at a moist patch on her neck. "Well. . . I'll have to volunteer for suicide duty more often."

watched him cycle through the airlock, watched the light blink to red.

Then she straightened her clothes, and wiped her face with a pre-moistened, disposable towelette. And with a final glance at the unblinking red light, she climbed back up to the control level, to see through the rest of her role.

Sixteen

## MANEUVERING

The cable pod was coming into sight through Brasilia's windows. A bright dot, above and behind the Shuttle, catching up fast. Burgess watched his distance decreasing in the radar scan, took a guess, and fired a burst from the forward jets. "This is driving me nuts," he said.

"I do not expect you to moor to the pod." Corraera spoke with what he probably thought of as commendable patience. "I accept that that is impossible, since Ground Control confirms your claim. Only come close. Observe, then call Diaz, learn his situation."

two hours? More?"

"I thought I'd done pretty well. I'm in an elliptical orbit with an apogee that puts me right next to you every two hours. I could pick you up now if I had to," he said, ignoring Corro's violent headshake. "What's your situation?"

The exhaustion showed in Diaz's voice. "The cable is not moving. I can barely see it, but I tied a strip of cloth to it. The cable was cutting grooves in the cutter blade I've been using for a wedge. I have had to shift it and pound it back in, over and over. My arms are ready to drop off. No problems with the suit. In a few minutes I should change tanks. That will give me another four hours of oxygen. Is there any reason for me to stay here?"

Now the cable pod looked like a plume of desert rock, sculpted by wind and flood, floating against the night in clear defiance of common sense. At the base of the wide blunt fins a light glimmered in shadow: Diaz, watching to see that the cable didn't pop his wedge.

Corro was shaking his head again. Burgess simply handed him the microphone. Corro returned his look of contempt while he spoke into it. "You will remain on duty until our next pass. Then return."

new payload: equipment to convert the cable pod back into a re-entry vehicle; maybe a replacement computer for the package, preprogrammed for descent to Brazil. . . BTE must have planned all this out well in advance. Then enormous cranes would pull Willy Ley erect, where it would be mated to its new solid fuel boosters and external tanks. That process would take a little over a hundred hours. Finally, the entire assembly would be moved to the launch pad for final systems check and fueling, and launched. Total-  
"Call it a hundred fifty hours."

"You may collect Diaz on the next pass. Will that cost you fuel?"

"It won't maroon us. We have to be very careful, though."

Diaz laughed, an ugly sound. "We cannot even see this cable, this thread my employers want. Yet it supports a spacecraft weighing many tons and hangs it from thin air! Who would believe such a thing?"

"Anyone with a serious interest in the space program."

Correro moved up to take Diaz's seat. He looked out at the gray mass of the cable pod- dwindling now, pulling ahead in its pendulum swing-and chuckled. "You think that you are the great man because you know all of these things." He waved his arms at the panels and dials surrounding them; and out the windows to the stars beyond. He shook his head. "Poor foolish man. Do you really think that these things matter? No, you are nothing but a driver, a highly-paid, educated servant. The real decisions, the real power

and a half since Diaz had jammed the cable. Were there laws covering space piracy? The only spot of amusement in the whole nasty affair was the length of time it had taken Ground Control to figure out what Anansi was doing-and tell Corroero.

Anansi was using the tidal effect to move without rockets.

Burgess hoped he had been able to keep his face straight. BTE Ground Control had talked to Corroero for nearly ten minutes in Portugese, and Corroero hadn't understood anything. Finally, Corroero had thrust the microphone at Burgess and the harried man on the ground had spit Thominably pronounced, highly technical English at him in the desperate hope that Burgess could then explain it to Corroero.

On the thrust of a pair of limpet motors, Anansi's crew had set the ship moving slightly lower and slower than the cable pod. Dropping, Anansi had picked up velocity and drawn ahead by the time the slack cable drew taut. The tension pulled the cable pod forward-and-down, the Shuttle backward-and-up. Slowing, Anansi had dropped (raising its velocity); accelerating, the cable pod had climbed to higher orbit (and slowed). The two masses pulled apart, unreeling more cable while still maintaining the tension that pulled backward on Anansi, forward on the cable pod...

yourself by your own bootstraps, it can't-Hah? But if the Shuttle is being pulled back, how can it go faster?" Holding the laughter inside himself while the BTE man shouted that anything in a lower orbit had to move faster, you idiot! getting louder and less coherent until he was screaming in Portuguese, words Burgess hadn't heard even in the bordellos. Burgess had finally hung up, then tried to explain to Corroero, using a light-pointer and one of the screens to draw diagrams.

What a grand joke! And the best part of it was that not Corroero, nor Olivera, nor Diaz nor anyone else knew for certain that Burgess had held out on them.

"Eric." Diaz's voice was blurring a bit with distance. "Is Anansi moving?"

"I'll see." Burgess swung the radar system down, and presently found Anansi against a limb of the Earth. He watched. Presently he' said, "Not moving, not that I can see. Why?"

"The line. It's vibrating. That scrap of cloth is trembling. I thought maybe... My God, wh-?" There was a blast of static, then a dull machine squeal.

"Ricardo?" Burgess cut in the noise suppressors and got nothing-no breathing, no words. Corroero was at the window beside him, straining to see, but the cable pod was not much more than a dot. "Damn! At the very least, his radio's gone out."



Correro seethed. "You must go out and kill that man!"

"Have to catch him first. Here-" Burgess tapped the radar readout. "The cable pod's rising too fast. Anansi's man must have kicked out the wedge."

"Take us back."

"Yeah. Buckle in." Fuel supply be damned, he couldn't abandon Diaz. . . though he was half-sure Diaz must be dead. A touch of the CNS motors lined Brasilia's nose with its now dot-sized target. Burgess fired the main motors, and watched the fuel registers while the Shuttle's orbit altered. When radar said that the cable pod was approaching, he cut the motors.

He would graze the cable pod's path, now, and continue outward unless he used yet more fuel. Brasilia carried the big supplementary tanks used for longer missions; they filled half the cargo bay. But he could still be marooned. Like Anansi, but with no cable to save them. Lost in the sky with Correro for company until Willy Ley could rescue him.

"We must kill him, or everything is ruined!"

Burgess tsk'd unsympathetically. "Not: 'We must go out and rescue Ricardo Diaz'? Where's your sense of priorities?"

Correro's face darkened, and his lips worked in silence. Then: "Diaz is unimportant, in comparison with the cable."

"That's a pretty nasty way to screw your partner."

you, never have. I don't like your nasty little smile, and I don't like your breath-it smells like you've been eating raw snails. But I can tell you what I do like. What I like is the fact that there isn't a damned thing you can do about it."

Correro leaned away from Burgess as if the pilot were an angry cobra. Shock froze his eyes for a few seconds, then his hand plunged into his flight jacket emerging with a gas-driven dart gun. "Do not tell me that the bullet will go through you and pierce the hull of this craft. That would be a lie. Now-you will either do as I say, or I will kill you. Now."

An unfeigned smile wound its way onto Burgess' mouth. Almost he laughed aloud. "And who will fly you home'?"

"I-I'll wait for Willy Ley to come back. . ." The words trailed away, as Correro was remembering how very far he was from Sao Luis.

"Right," Burgess said coldly. "And what will you do if our friend out there decides to attach a few ounces of explosive to our windows? I wouldn't put it past them. On the whole, Anansi's crew has proven damned resourceful." He stood, and moved carefully over to Correro, whose face had bled from ruddy to ashen. The man seemed about to collapse. "I tell you what, Correro," he said. "You go out there and kill our intruder. You'll find a suit and mobility pack on the lower deck. I'm sure you've had an hour or more of free fall training. You'll figure it out." The two were close together now,

casually, he returned to his seat and watched Corroero gag. When the man was well enough to hear, Burgess finished the thought. "Where was I? Oh, yes. No matter where you are, don't ever point a gun at a man unless you're ready to use it. And, friend, you weren't ready."

Corroero tried to find something to say, but the hatred and fear clogged his throat, and only inarticulate sounds forced their way through. Finally, he climbed down from the control level, and closed the grill behind him.

Burgess examined the knuckles on his left hand. They were bruised and beginning to ooze blood. But by God it had been worth it!

Seventeen

THIN EDGE

The cable was running freely again. Thomas De Camp stood on the tail of the cable pod, looking up, trying to find a scrap of bright cloth against a gibbous Earth. He couldn't. Even in these few seconds of freedom, the cable had carried it too far.

Mission accomplished.

had been genuine, then they must have had room to house the full crew of Anansi: four, including Stonecypher. That put three men aboard now, to bring their homeward, load to seven, the maximum for a Shuttle. . . unless Brasilia carried a pressure can in her cargo bay. That would put his calculations into the toilet. An army could swarm all over him at any moment.

He sighed, and looked up into swirled patches of white cloud and blue ocean. Earth was close enough, big enough to serve as a noonday sky, but for the blackness around the rim. Day overhead and night underfoot, and an arc of night encroaching on the day. Anansi was up there somewhere, invisibly, remote, lost in her own battles, beyond the reach of his suit radio, gone forever. "I hope you make it, sweetheart." His eyes picked out patterns in the clouds: there a cluster of mushrooms, there a mountain range seen from his father's private plane.

And there was Janet's smile, a thing of sunshine and light rain, glowing at him from the sky. "I love you," he said, and blushed in the dark, wishing that he had been able to bring himself to say that to her, in person, in time.

The clumsy fluttering of a suited leg caught his attention. The lone bandit was less than ten yards away, clamped to a climbing rung by a cable gripper around his airhose.

carbide into the loop as a friction brake. The cable had etched holes in the block; he'd had to keep moving it as he fell.

Otherwise he would have hit the bandit like a real bomb.

At first the bandit had struggled, flailing arms and legs in a helpless jitterbug of panic as he tried to reach the cable grippers. Now . . . if it weren't for the intermittent twitch, Thomas would suspect the man was dead. Nothing to do but wait...

A white triangle, smaller than a pinhead at first, was growing at the limb of the Earth. Anansi? Not bloody likely. Brasilia to the rescue. Count on at least one man, armed to the teeth. One, or many; but not two. Two would leave Brasilia empty and falling away. Count on one.

And what were his options? Thomas hefted the automatic rifle, empty now, but still a credible bluff. No sane man would risk an impact from one of the explosive shells. He could play for time until...

Until his air ran out. No (he shook his head violently) that was no way to think of it. Until Anansi was safe!

Any other options? No BTE bandit was likely to have more hours in space than a Falling Angel man. The bandit would be clumsy. He wouldn't have Brasilia's help, either. Brasilia couldn't stay alongside.

suspiciously like the rifle Willy Ley's soldier had used to make a shambles of Anansi's cargo bay. Thomas pictured one of those shells impacting with his own body, and a bubble of sour gas expanded painfully in his stomach. He began climbing around to the dark side of the pod, slipping into deep shadow.

Brasilia's soldier rose out of the cargo bay when the Shuttle was fifty meters from the pod. Immense in his sight now, the spacecraft hovered close for a few seconds, then began to drop away again, diminishing as swiftly as she had grown.

Thomas fiddled with his radio; caught something; homed in. The new man was talking under his breath. The few words he could make out were curses, apparently aimed at the backpack itself. Thomas watched from shadow as the man clumsily attempted to change course, falling past the cable pod, coming back too fast, turning, forgetting that it would take jets to slow him...

Well, well...sending out the rookies, were they? Thomas began to hope. He would need to know what the newcomer wanted. The cable, ultimately. And Thomas' life? Or the crippled conspirator?

The sun was moving, and he dared not forget where the shadows lay. He swung out to the shadowed side of a fin and climbed out along its length, hidden from the captured bandit. At the end of the fin he extended

who could reach around at an angle impossible for the prisoner himself.

Thomas released his grip on the foot rung and wasted a precious burst of fuel floating out into the sunlight. He aimed his rifle squarely at the newcomer's head, and waited to be seen.

From the reaction, a sudden thrashing jerk, Thomas could guess at the look on the man's face: surprise, then panic. His enemy did a slow-motion scramble around the curve of the pod, then cautiously emerged again, this time weapon first, and squeezed off a long burst. A few rounds struck the external skin of the pod, exploding with flashes of light and dust. Thomas was already gone, back on the pod's flank and climbing down toward the nose.

He smiled grimly to himself. Would his clumsy foe see through the bluff? Thomas liked the other side of the question better: could the man afford to believe the gun was empty?

In silence, Thomas completed his climb to the bottom of the cable pod. Now he was anchored by two rungs. The shadow of the pod had swung around. It was blacker than black now, blocked from sunlight and Earth-light too. He could hear his enemy's breathing but not see him.

The sound, though: ragged breathing, exertion. Thomas sensed it getting clearer, closer. Not climbing, though. There were no soft, rhythmic grunts to indicate that kind of activity. Even at the tenth of a gee that was

came around into the light just in time to see his enemy approach. The man was drifting slowly down the flank of the pod, jets popping from time to time.

A chill rippled through Thomas' muscles. He hadn't known how ominous the pressure suits could look. Faceless, almost shapelessly inhuman, more like a demon in white than Thomas cared to consider.

For an instant he was frozen in terror, feeling the bullet explode somewhere in his body, hearing his own final, gobbling scream of fear and pain dwindle into vacuum...

Then he snapped out of it. His enemy's faceplate-was a silvery, reflective oval, but the, man beneath was human. Human, and fallible, and mortal, and if Thomas had to die, he was going to take one more of the bastards with him.

As the man dropped past him toward the nose of the pod, Thomas turned loose and used his mobility pack to ascend the sunlit side. Easy: just thrust like hell, brake when you're behind a fin, reach out and grab a rung. Thomas had all the fuel he needed. The bandit would keep reserve fuel to bring himself back to Brasilia.

The captive's head turned when Thomas reached him. His faceplate was misted with moist, warm breath. Something wrong with his recycler. The man didn't look the part of a villain; he looked young, and sick, and



creep into his voice, "if you proceed any further, I will kill your partner." There was no reply, of course. "Don't think I'm bluffing. I've got at least two ways to rupture his suit, and one to smash his faceplate." Still no answer.

Thomas breathed deeply. He couldn't see the injured man, nor the cable running out on its spool. Where was Anansi? How long until she could cut herself free?

He waited. His enemy should be discovering the depth of shadow, thinking it a wonderful place to hide, creeping upward to deal death to Anansi's champion. "I'm warning you," Thomas said heavily. "Don't try any tricky stuff. . ." He only had to allow the hysteria to creep into his voice. His fingers were on the mobility pack keys. If he saw the bandit in the wrong place he would jet away at once and try to dodge behind the hull.

He heard puffing in his radio. This time the bandit was climbing.

There: very close, climbing the hull with one hand on his gun, a faceless, pudgy shape barely visible in shadow. He climbed past Thomas and kept moving.

Thomas said, "Forty seconds, mister. I'm waiting to hear from you." He saw the man pause, heard his breath sobbing through the filters. The helmeted head turned this way and that, but didn't see the curved edge of Thomas' helmet. He kept moving.

right arm. The mobility pack threw him off, pulled him backward.

He slowed. Here was the curve of the cable pod's tail. . . and Anansi's man would be beyond the curve, standing or crouched, possibly with an elbow crooked around Diaz's throat. Looking in an unknown direction. Correro's heartbeat thundered in his ears. He surged over the curve gun-and-helmet first and saw Diaz still anchored to the rung. Where was the American? Correro completed his motion-too hard, so that for a moment he floated-and dropped next to Diaz. Where was the American?

Diaz hadn't reacted. Sick? Dead? At least his airhose was intact. Correro had almost whooped for joy to find Diaz alive. Now he was concerned. Diaz's well-being was precious to him. Was Diaz in shape to fly a Shuttle back to Brazil?

Where was the American? Fled in fear! Correro gave a harsh bark of derision. He knew it-the American's gun was empty, it was a bluff. Now he could jam the cable, and call for Brasilia.

The rest would-be easy-if Diaz was in shape to fly Brasilia. That would mean the the pig Burgess had no further business sucking up good air. Correro would take great pleasure in cutting Burgess' throat, working the blade in until it grated at the cartilage. Correro's mouth and nose still stung from the Shuttle pilot's blow, and the thought of bloody vengeance helped dull the tickle of fear at the back of his neck. He reached into his belt and

that point. At first Corroero felt no more pain than that of a paper cut. The cable didn't tug at flesh or spray blood about like a bandsaw blade would have. It cut far more neatly. But air spewed from around him, and his body felt like it was exploding, and his eyes crossed as they followed the silver thread. It was inside his faceplate.

Thomas had used the empty gun as a lever, shoving it under the base of the bandit's mobility pack and thrusting forward and up.

Fear and rage had put all his considerably strength behind the maneuver.

Too hard! The thread was inches from his eyes when he braked himself. He stared in horror at the two halves of his gun, at cut metal surfaces that gleamed like mirrors. He hurled them violently into the sky. Only an iron act of will kept his stomach from throwing unbreathable vomit into his helmet.

The bandit? Thomas looked for him, and found him overhead, a dark blob rising in a fog of gasses. The cable hadn't turned him loose yet; it was still reeling out through his corpse, its minute friction pulling him upward.

What now? "Mission accomplished," he muttered. Nothing now, except die.

Then he heard slow, laconic handclapping, and a dry chuckle. "Very good, whoever you are. You're a very clever man."

American industry supply nearly two-thirds of Brazil's electronics. I doubt Brazil will let this thing go on. You're finished, Burgess. Accessory to attempted piracy, sabotage, and murder."

There was a long silence. The air in Thomas' helmet smelled close and sour. Imagination, he hadn't been out that long... but he'd been working himself unmercifully, using up air...

"You may not believe this." Burgess sounded a million kilometers away. Where was Brasilia? Should be ahead, falling back.

"Believe what?"

"I didn't know about all of this. Not when I took off. I thought it was a legitimate rescue mission." There was a snorting laugh of regret. "I did figure out some of what was going on once I got up here, but I was in pretty deep by then, and that bastard Correro- never mind. From your voice I figure you're still pretty young. Maybe you won't understand this, but Brazil was the only space-going nation that would offer me a contract. I just had to keep flying..." Burgess made a sound like a punctured balloon whistling air. "Oh, what the hell. It's all blown now, why bother talking about it? How's Diaz?"

"I'd say he's injured. He's still breathing."

"Good."

"Burgess, weren't you still with NASA when you went to Brazil?"

checked his air gauge and found it edging into the red. Not much time left at all.

"You can't go home, Burgess. The Brazilian government will make you a scapegoat. Can't you see the headlines? 'Renegade American pilot indicted in piracy scheme.' BTE might even kill you to cover their tracks."

"I...doubt that."

"Feel free." Thomas was gulping for air now, and his chest was beginning to ache. Relax! Calm. Give the recycler a chance to keep up. "I'll tell you this for sure, you'll never fly again."

In the silence that followed he spotted a dim, distant winged shape. Brasilia, ahead of him, approaching tail first.

"Yeah, I know. Listen, I'm a kilometer away and closing. You're the only one who can save Diaz. Your life for his. You take him and you jump. I'll pick you up."

That easy? Of course he was right, they'd have to jump. Jump, and trust the pilot of the killer ship. Thomas pictured two corpses, abandoned evidence, lost in the sky. But he could make it a better bet.

"Burgess. Maybe there's a way out. You can come over to Falling Angel. Brazil will never make reparations for the damage done by her Shuttles. All right, then, we'll take one of her Shuttles in trade."

"My God. You're serious, aren't you?"

There was a tremulous, childlike quality to Burgess' voice. "I've got to retrofire. Stand by. Can you promise-"

"I can't promise anything!" Thomas screamed it. "All I can say is that if you're clean, and we can prove it, we'll want you. And if you're not clean, to hell with you. Just, just. . . let me die in peace."

There was another pause. But Brasilia, closer now, was blazing at her tail. Accelerating to match with the cable pod. Burgess gave a painfully long, drawn-out sigh. "You can jump any time now, but take Diaz. He wasn't part of this mess either. What's your name, fella?"

"De Camp. Thomas De Camp. Why the hell does it matter?"

"I don't know. Because you're good, you really are. Come aboard and we'll wait for your ion drive ship. Then you can take us both to Falling Angel and put us on trial. I'd rather take my chances with Lunatics than those marionette judges in Brazil. I'm not sure we've still got fuel to re-enter anyway. Come on, move!"

Thomas was already disentangling Diaz. The man was still alive, which was more than Thomas would be if he didn't get fresh air soon. . . no! Air or not, he was going to stay alive on sheer will power, if need be. "You've got a deal. Burgess?"

"Yeah?"

"You're right. I'm good!"

cargo bay. Anansi dropped like a piano. Marion, braced against what must be a fifth of a gee by now, found he had sprung out to the end of his short safety tether. Then the cable pulled taut against the next staple and Anansi surged up at him. He struck the floor on hands and knees, a jolting four-point landing-and a second staple flicked silently past his helmet.

The next staple held.

"Getting rough," he said. "We lost a couple of stitches."

"Are you hurt?"

"No. Worried." He peered through the hazy light at the zigzag pattern of cable and staples that anchored Anansi at the end of a now-static cable. "If we lose about ten more we might rip ourselves loose, which is fine. But this kind of jerking around could snap the cable somewhere in the middle, and that isn't good at all. We've got to cut the cable now."

"Right. Any luck?"

"I'm still looking."

Much of the debris, solid and liquid, had been left kilometers back. It was easier to see his way around in the bay. The damage from the exploding rounds had been terrible. Marion had been re-lashing broken crates into place with spare line while he searched. Still, frayed edges and leaking contents dappled the interior of the Shuttle bay.

"The cutters have to be there."

"Yeah! Better than that. We won. No matter what happens now, the cable's strung out over fourteen hundred kilometers, and nobody's going to bring it back to Earth in that condition. Now I only have to find a way to cut it."

"Just stay safe. We don't need to prove we're heroes. We've done that."

He chuckled. "Aye aye, Cap'n."

What was there to sever Stonecypher Cable? There was sure as hell no way to break it. It would slice through any sharp implement on Anansi, he was sure of that. What did that leave? What did Thomas have among his tools? Pliers? Soldering tools? A torch?

Marion made his way back to the airlock, stopping every so often to move the end of his safety tether. Anansi was steady as a rock except when a staple ripped away. The cable must be under tremendous tension. It would snap, no telling where, if something weren't done...

He cycled through the lock, unscrewed his helmet, didn't bother removing the rest. There ought to be a torch. This was the locker where tools were kept for minor repairs... hah! Cutting torch. He shook it and the tanks

sloshed: full.



How many had died for this cable? Four? Five? And what would become of Anansi if. Dexter Stonecypher had done his job too well? Would they hang in Earth's upper atmosphere forever, a bizarre monument to the technical wizardry of Falling Angel?

He attached his safety line to a grip and popped the torch on, a pencil-thin cone of incandescent gas projecting its seven-inch length from the tip.

"Janet, I'm about to try a torch. If it actually cuts through, we're going to take a hell of a jolt and drop fast. I suggest that we close the bay doors about halfway, now, so it won't, take as long to seal them when we make our descent."

"Aye, aye, Marion. I'll leave the line open." He felt the floor vibrating, and great shadows closed across the moon. He asked, "Just where do we want to be when the cable parts?"

"Good thinking. Let's see, we usually get almost a full orbit after retrofire, but. . . we'd be entering slower this time, so. . . we're passing over Asia. . . give it another five minutes, then go."

The stars were creeping across the black opening in the bay doors. Marion, trying to rest, found himself looking at Stonecypher's pressure suit. Something like a fat, gray, distorted mushroom stood out below Stonecypher's ribs. What could have caused...? Shit. A bullet must have exploded there, and blood and flesh had foamed out. Marion whispered,

the normal reentry speed: just as well, given the Shuttle's chewed-up condition. Of course, once the cable was parted they'd have no further choice about where they landed. If they timed it right they might even reach Japan...

But Marion's intuition saw staples snapping loose one after another, shock waves traveling along the cable until whiplash snapped pieces away at the far end. Until Anansi entered the atmosphere trailing hundreds of kilometers of lethal thread. He imagined it falling across the city, in loops around buildings and cars and children.

Time. Marion thought of starting at the furthest staple, then changed his mind: he didn't want to be near the next metal strip to give way. It could jump up and crack his faceplate. He shuffled back four staples, and got to work.

In the intense light of the torch, the cable showed as a dark hairline. He applied the flame where the cable crossed the staple.

Like the filament of a lamp, the strand began to glow, first a dull red, then brightening to an eye-numbing white like the core of the torch's flame. The zone of white spread along the cable to make a five-inch strand of glowing line.

"-Falling!" he screamed, in a reflex that true astronauts' weren't supposed to have. Then, "We're, falling! Janet, close the bay doors! I did it!"

Her voice was ecstatic. "You sure as hell did! Aye aye, closing cargo bay doors. Get back in here and out of that suit and into your chair. We'll be in the atmosphere in ten minutes."

He felt himself being tugged gently toward the nose, away from the ladder, as he climbed to the command level. Traces of atmosphere, already. Never in his life had he stripped out of a pressure suit faster. He hadn't even stopped to put slippers on.

Janet had slipped coolly into her pilot's persona. Her body was relaxed but poised, hands moving smoothly and confidently on the controls. Her face looked old and her eyes were red and puffy, but the only sign of discomfiture was the puzzled tone as she spoke into the microphone.

"-can't land on Okinawa? Why not?" She snarled as the answer came back. Marion eased into his chair, buckled himself in swiftly, and fitted on his headphones.

A cultured Japanese voice was speaking in carefully measured tones. "-American embassy has verified it. The landing strip in the Ryukyu Islands is under lease to NASA and the American Air Force. They will allow you to

arrangements with them. They have Tactical Air Navigation, and a VHF omnidirectional radio beacon. I suggest you allow us to program your guidance computer for those coordinates."

She pondered for a second and a half, then smiled grimly. "Tsk. No choice." She turned to her copilot. "Marion, assist the programming. We'll be landing in Tokyo, believe it or not." A quick look at the guidance screen told her that they were starting to cross the Tibetan Plateau, still better than eight hundred miles from Japan. She could make it. They had the altitude, and landing would be easier than NASA's standard Abort Once Around mode.

Anansi flew with a tremor and a tendency to pull to the left. She checked the external temperature, and nodded silently. It was up to 2000degrees and climbing. The near-vacuum was growing denser. The heat shielding would be glowing cherry red: the nose of the ship shrouded in an envelope of flame. Blast-torn tiles would be falling from the tail. She could feel the ruptured OMS tanks in the shuddering of the craft, in Anansi's hairline loss of stability. Shards of metal would be melting.

She would not fail. Marion had done his part. Thomas (Thomas!) had risked everything to do his. And dear dead Dexter Stonecypher had won a greater victory than he could have imagined. Not one link in the chain had failed. It was her turn to produce.

Josef Navarres, of the legal firm of Navarres, Navarres, Gomez and Shapiro, closed a hastily-prepared manilla file folder and peered across his desk at his client.

It was difficult to believe that this man was the same Jorge Xavier he had dealt with for so many years. The shoulders were no longer square. His hair was stringy, untended. His eyes seemed weak, watery, and without real focus. He might not have slept in days. And small wonder.

"I believe," Navarres said, leaning back in his chair meditatively, "that the file states the situation clearly, Mr. Xavier. You have criminal and civil action being levied against you in local, federal, and international courts."

Xavier nodded like a man who didn't actually understand at all. His once-handsome face seemed drained of blood and life. He heard Navarro's words as through a deadening fog.

"First, of course, are the charges that you bribed officials of the Brazilian military, and used government vehicles in an act of piracy which resulted in the loss of several lives."

"If I had succeeded," Xavier said dully, barely recognizing his own voice, "they would have taken my tax money and let it go at that."

Navarres smiled noncommittally. Xavier was probably right, but what of it? "Be that as it may, Colonel Olivera has made a full confession of his

"The United States government has protested the misuse of the shuttle vehicles they sold Brazil, and are postponing shipments of fuel and parts until a full investigation is completed. Their position seems to be that a branch of their government has been attacked: to wit, Falling Angel." Xavier's eyes did come up at that, and he grimaced. Navarres said, "This, along with the loss of the shuttle Brasilia, will cost Brazil around seventy million dollars, which will be subtracted from BTE's assets.

"Of course, your personal funds have been frozen pending the outcome of the various suits, and President Castellon of BTE has obtained a court order barring you from trespassing on any property belonging to the company."

Navarres opened the folder again and browsed for a moment. "Edson Da Silva has already fled the country, and Lucio Giorgi is presently in a hospital in connection with heart problems. Apparently he has offered to make a full confession in exchange for a promise of leniency."

"Yes.," Xavier scratched at his face as if pursuing an invisible insect. "I would expect that."

"Finally, your wife has filed for divorce. I think you might agree that that is the least of your problems. Now, Mr. Xavier." Navarres leaned forward, the light from the window behind him forming a blurry halo. "What do you propose to do? Establishing a bond for your release has taxed the

cautious.

He stared blankly at his fingernails, shifting them slightly, watching the overhead lights gleaming off in pinpoint glitter patterns. He barely heard the telephone ring, hardly noticed the death's head look that came over Navarres as he spoke quietly into the receiver.

"That was building security, Mr. Xavier.' They have arrested a man in the underground parking garage. He was attaching an explosive device to the ignition of your car. They said he had a message for you. "Tell. Xavier that Hoveida can wait."

"I see." Xavier sank into his seat, body feeling cramped and numb.

"Security has informed the police, of course, and you will have a police escort from now on, so. . . if you were thinking of taking a vacation somewhere. . ." He shrugged. "In any case, they've disconnected the bomb. It was approximately one kilo of high explosive, and would certainly have killed you."

As from the bottom of a pit Xavier saw and heard his attorney speak. He pulled himself upright and folded his hands neatly in his lap. A wry smile tugged his mouth as he faced Navarres. "A pity," he said blandly.

Viewed from the side, the shuttle-and-ion-drive assembly might have been some huge magical misshapen moth. The ion drive craft would have

peace. Problems remained, but they would be trivial next to what he had lived through.

Burgess had proved enthusiastically cooperative; Diaz at least tractable. Thomas hadn't even considered not sleeping. He'd slept like a brick aboard Brasilia, and wakened alive, and eaten and tended his wounds and slept again.

For three days Michael had swept inward from the Moon on its column of fensed cesium atoms. The ion drive tug had matched orbits with Brasilia thirty hours after Anansi made her gaudy landing at Tokyo X.

Tim Connors was an exuberantly cheerful man, short and round and as soft as Guinness was hard. Michael's cramped igloo had nearly driven him nuts. He seemed joyfully mad when he entered Brasilia, just because of the chance to stretch his legs. The bizarre circumstances became masked with a kind of forced camaraderie.

In that spirit they had gone to work. Connors and Thomas and Burgess fitted Gabriel's flat nose against Brasilia's belly in forty minutes' time. They had cut the cable free of its pod with one flash of a heavy-duty laser. What was that doing mounted on Gabriel's hull? "Fleming insisted. I can guess what he had in mind," Connors said. "Laser cannon for the next wave of bandits."



a time they had even left Gabriel untended.

And the party atmosphere persisted. Even Diaz caught it. In a gravity field Diaz would have been flat on his back, forbidden to move a muscle. In free fall, with Velcro slippers for anchors, he could move; but he moved as if his guts were Venetian glass. If Thomas came too near he would flinch, then cry out at what the tensing muscles had done to him. But Tim Connors would have none of that; he presently had Thomas and Diaz next to each other in the kitchen, taking turns as they told the tale of that epic flight.

The time came when Thomas needed solitude. He offered to spell Connors in the igloo aboard Michael, and Connors had accepted in haste...

A dull buzzing sound dragged him back from a bottomless well of peace, and he swatted at the air feebly before coming to his senses. He checked over the control readouts, finding everything in order, and stretched as well as he could: his arms easily brushed both sides of the bubble. He flicked on the radio, yawning. "De Camp here. Is that you, Connors?"

"The same. How was your nap?"

"Cramped, but I bet you know about that already. I've promised my body I'll give it a full workout as soon as we get to Falling Angel.

"Six days. I hope your body trusts you that long."

"Agreed. Now put her through, dammit." It seemed to take an eternity for the whistles and clicks to resolve into recognizable words. He spoke before it had finished. "Darling?"

"I didn't know you cared, lover boy," Marion chuckled.

"Careful, this is an open line. How are things on the dirt? Did you like your reception in Tokyo?"

"Thomas, we were heroes! Listen, they were still taxiing 767s and private planes out of the way when we touched down. I'll tell you, Janet handled that bird like a brain surgeon cutting on her only child. They had to rope the crowds back, and even that didn't work. The reporters were all over us, snapping pictures, burning themselves on the heat tiles-

"Any casualties?"

"Only Anansi. Maybe some museum will take her. The motor section looks chewed and half-digested. One of the motors fell off on the way down and we never felt it. The air brake flaps on the vertical fin didn't open either. I thought we'd roll forever. Then we didn't have the refrigeration truck to squirt freon in, so the re-entry heat leaked in and burned out all the electronics. Aside from that..." He trailed off, and an unspoken word passed over the miles: Dexter. Marion cleared his throat. "Anyway. Oyama had to fight like hell to keep the Japanese government from turning me over to the American Embassy. My cover's blown, of course. I can't very well claim I

MGM. Hey. Do you think a bright, handsome young stud could make it in California?"

"If his ego could fit under the Golden Gate, sure. Marion. I love talking to you, but why don't you get yourself off the line and put my wife on before I put an Eskimo curse on you?"

"Oops. Sorry. Just-hey, Thomas. It was good working with you."

"You too. Take care and all of that. Now put her on."

"Listen, our agent wants to represent you too. Full story rights-"

"Put her on."

There was a short scuffle, what sounded, like Janet fighting for the microphone, and she came on line. "Tommy?"

"Here, Janet. Everything's fine. How are your Earthlegs?"

"All right. A little wobbly. And lonesome." She lowered her voice a fraction, as if whispering could give them privacy, as if the line weren't as open as the blackness between them. Thomas twisted in his bubble and looked back at Earth's glowing blue disk, filling a quarter of his sky. "Tommy, I..." he heard something suspiciously like a snuffle, but before he could say anything she had it straightened out. "I'm supposed to convey the congratulations and appreciation of Oyama Construction and Retsudo Oyama particularly."

"Aren't they mad about the cable?"

Thomas smiled. "Well," he said slowly, "it'll be awhile yet. We'll have to come back for Gabriel, and then rebuild it. And then, Tim Connors and I made a little deal. He'll be taking Gabriel to the Belt. Seems he wants to go asteroid hopping more than I do. I could use a little vacation. Maybe see Alaska again, if I can work it out with the government."

"Tommy...I've never been to Alaska."

"You wouldn't like it. Too cold. And dull. Nothing to do, really, except find someone you love, and hold them tight for body warmth, and try to make up for lost time."

"Tommy...are the nights really six months long?"

"You know better than that. It isn't close enough to the north pole. I can find you a couple of seventy-two-hour evenings, though."

"We could make it seem like six months."

"I'll be back in about three weeks, and then we can talk about it."

"Tommy. . . can you say it? Just this once? I need to hear it."

"Say what?" He reached out and squiggled the radio switch. "We're picking up some interference here-I'd better sign off now."

"Please. . . just this once."

"Sorry, gotta go now. The frammistat is acting up."

"The what?"

"The framigasinat."

He mouthed I love you silently at the microphone, then broke the connection. Staring out at an uninteresting view of the black-tiled underside of Brasilia, he said, "This is going to be a slow three weeks."