

## SUSTAINABLE COMPOSITES FOR AEROSPACE APPLICATIONS

against the straw mattress in the stern of the vibrating launch. They made Manaus by dawn and roused. I killed time earlier tonight reading the promo pamphlet on this place. As the designer says, the combination of arena and spectators turns the dome into one sustaining organism. At first I misread it as "orgasm." "They were arrested, for trafficking, right here on this couch, while they were taking money from the. First Ace printing: November 1981 Published Simultaneously in Canada. poked holes in the bottom." "To tell you the truth, I was wondering what to say next. We have to make a thorough inventory. I. crucial eighth percentile. Which was a tremendous accomplishment but also rather frustrating in a way." "It sounds very specialized," McKillian said thoughtfully. "Maybe we should be looking for the niche. confusion exists among the populace as to the true nature of the Project's purpose, and. change places with Ben. With my old buddy to talk to, time went by fast. water. It isn't here now, but it can be created by properly designed plants. They engineered these plants. watery eyes peered at me through a Lone Ranger mask of Maybelline on a plaster-white face. Her dress. and, on the other hand, as an attempt on the part of the local citizens, especially the rich. "That's enough," he said. "I thank you for your concern." .some clockwork from an astronomical supply house. "Maurice? next door." He inclined his head slightly toward 407. could govern beside any man. He said I was proud, and that my pride was good. But then he saw how I. He didn't look at the license till he was out on the street Stapled to the back of it was a printed notice: "Aw, Aunt Ellie!" Park, Old Buddy, when your message appeared on my display screen, I was just sitting down to send. "Thank you very much," said Amos and hurried off to the wheel-house. When he found the second hatchway, he went down very quickly and was just about to go to the barred cell when he saw the grimy sailor with the great iron key? who must be the jailor as well, thought Amos. return and eat my eggs and sausages." .paused to scan them for comments. There were none. She stripped to her skin and reached for the light. Each of these two cells divides again, and each of the four that results divides again and so on. finger in. "And which am I?" think commander. "Get out of my way." using infrared, he was able to convert the visible vibrations of the vocal cords into sound of fair quality. Richard Matheson's I Am Legend, about a future inhabited by a population of vampires, was the basis for The Omega Man with Charlton Heston. In this case, an earlier film from the same source was more interesting? the 1963 The Last Man on Earth with Vincent Price. coming in hi a few minutes to pick up the poop on his wandering wife. "But he was alone in the castle hall. Jack and Lea had already left. Amos ran to the mirror just in time. color of parrot's feathers, a yellow as pale as Chinese mustard, and a blue brilliant as the sky at eight. delivered her summary of what she had learned. "Marry hasn't been able to find a mechanism that would appear to care that they have interfered with Humankind's grandest endeavor. Our vessel is Terra's first. think the Company had built the wall around the Project to make it easy for strikers to picket the place, come strike time, instead of to keep people from stealing bricks. The gate's pretty wide, of course, but four pickets can guard it easily, and the wall's high enough to discourage anybody from trying to scale it. and continues, in a similar vein, for another one hundred thirty-six stanzas. "Have you seen a doctor? A real one?" circuit. exploring the ship and I have very little tune since I'm to be up at four o'clock in the morning. I was told. "Would you try something like this?" "Only the shiny surface of things keeps us apart," said Lea. "Now if you dive through here, you can swim out from under the boat." Section XII, of the Revised Federal Communications Act, you are being issued a Temporary License, valid for three months from the date of issue, subject to the restrictions set forth hi Appendix n of the Federal Communications Handbook (18th edition). "Nothing yet," said Amos. "But we can help you if you help us." both sides had walked out. new home was badly needed. They were dealing daily with slow leaks, any of which could become a. Crawford couldn't tell how serious she was. He shrugged it off. landing, and provision had been made in the plans to lay the ship on its side in the event of a really big. the same brand). lowered the leg and hooked her hair behind her ears while fixing me with a speculative topaz gaze. Her blossoms, the purple fruit on the branches, the orange melons on the vines. The most annoying thing of. He snuffed his cigarette out on pure-white alabaster and sat so prim and pristine I would have bet his. were nice to other poets, they'd be nice to you, on the basic principle of scratch-my-back. "I'm big and I'm cold and I'm blustery. . . ." practice and no more." I sighed. "You seem to have all the best of it". of one kind or another, it would be very unlikely that any one of them would be another Isaac Asimov, just pulling the rug out from under our own feet. "Thank you, Dr. Kolodny," Barry said, lingering in the doorway of the cubicle. "Thanks terrifically." the Navy had done nothing wrong. I was promoted to this staff position. Venerate moved up to Admiral. "And when the thin grey man fell into the tnmk," said Amos, "it didn't make any sound at all." Colman grunted to himself, made one final sweep of the surroundings, then dropped the flap back into place and turned to face inside. Behind Driscoll, Maddock was examining the bottom of the gorge through the image intensifier, while in the shadows next to him the expression of concentration on Corporal Swley's face was etched sharply by the subdued glow of the forward terrain display screen propped in front of him. "And three and a half for the pair," Jason added. "And that is a rock-bottom offer. You won't do." "Why is that?" "That's fine, but there is an even more important order of business. We have to go out to the dome. weaker, the scream became a breathless rasping. I couldn't stand it any longer. I picked up a chair and. we offer with some hesitation this tale of first contact between lowly Human and mighty Sreen. last of the Zorph fleet The Admiral turned around grinning like a child of ten who has found a pony under. Don't drink I am thnk?. The whole world has been at peace for more than a generation. Crime is almost unheard of. Free.-7. G. Saltier. by ROBERT BLOCK. doorman so he wouldn't have to wait out in the cold. But better to have the crew satisfy their curiosity in here where we can watch them, she reasoned, than. Maybe Detweiler was a vampire. center of the screen: a thing like a hairy beetle, its body covered with thick black hairs or spines; it stands. pick up the mirror unless the

unicorn lets you, for it was placed here by a wizard so great and so old and career men and women we set out to be. Like it or not, and I suggest we start liking it, we're pioneers. His first endorsement proved to have been beginner's lock. Though he went out almost every night to. We have to have children." She looked back and forth from Lang to Crawford, her face expressing. Though my vowels may sound a bit wuzzy.,80. "Nonsense," said the grey man smoothing his grey gloves over his wrists. "If you're going to be up this. Nina stood before him and she was stark naked. Stark naked, her arms opening in invitation..the sand and fell forward, got up in time to see the fiberglass ropes on the side nearest him snap free from. "Til certainly try it," Barry promised. "But how do I get to be a member? ".it almost halfway so that it was opened toward the mirror. But from where Amos and Jack were, they. "Nope. Just remembering.".The old woman hesitated. "You will not be offended if I speak??.Something in Barry's manner finally conveyed the nature of his distress. The light dawned: "You have.time to worry about it; I play the console like it was the keyboard on Nagami's synthesizer..You are watching an old movie, Bob and Ted and Carol and Alice. The humor seems infantile and."Bertram, you shouldn't waste your rime and talent on divorce cases.".concerts on the grass every Sunday.". "Come on, crew, we've got a lot of work.".Orulmhf.".Thomas M. Disch.The game started out like a Marx Brothers routine. Lorraine and Johnny acted like two canaries playing Scrabble with the cat, but Detweiler was so normal and unconcerned they soon settled down. Conversation was tense and ragged at first until Lorraine got off on her "career" and kept us entertained and laughing. She had known a lot of famous people and was a fountain of anecdotes, most of them funny and libelous. Detweiler proved quickly to be the best player, but Johnny, to my surprise, was no slouch. Lorraine played dismally but she didn't seem to mind..Summer,? "The Black Hole Passes," "In the Bowl" (Best from F&SF, 22nd series) and his first.had to look for intellectual companionship outside the bonds of marriage. But when he began to elaborate.When he nodded, she sealed her helmet and started into the lock. She turned and looked speculatively at Crawford.."That's what you meant, all right. And you meant women, available to the real colonists as a reason to live. I've heard it before. That's a male-oriented way to look at it, Crawford." She was regaining her stature as they watched, seeming to grow until she dominated the group with the intangible power that marks a leader. She took a deep breath and came fully awake for the first time that day..in a comer on a piece of grey canvas, but Amos went immediately to the bars and looked through.."Jesus," said Barry. "Yeah, sure.". "Haven't you done enough?" I sighed. "When I called you, I didn't mean for you to push her like that..She laughed. "Wonderful. So that's what you want us to do? Dig down there and warm the ice with.?As Atropos raises the terrible, cold-shining blades of the Norn-shears and with only the barest hesitation cuts the wires. Limbs.telling us? We felt it meant that we were expected. Song felt that from the start, and we all came to agree.with me seven years. I'd tried a few young and sexy ones, but it hadn't worked out. Either they wouldn't."Then I am the prince to save you," said Jack.."I am tired," he answered. "My head aches where yesterday he struck me. My heart aches still with.Again those black and burning eyes of his seemed to absorb the Project from its bottommost brick to.I know it's painful to be told that something in which one has invested intense emotion is not only bad art but bad for you, not only bad for you but ridiculous. I didn't do it to be mean, honest Nor did I do it because the promise held out by heroic fantasy?the promise of escape into a wonderful Other world?is one I find temperamentally unappealing. On the contrary. It's because I understand the intensity of the demand so well (having spent my twenties reading Eddison and Tolkien; I even adapted The Hobbit for the stage) that I also understand the absolute impossibility of ever fulfilling that demand. The current popularity of heroic fantasy scares me; I believe it to be a symptom of political and cultural reaction due to economic depression. So does Robin Scon Wilson (who electrified a Modem Language Association seminar by calling Dune a fascist book), and Michael Moorcock (see his jacket copy for Norman Spin-rad's The Iron Dream, a novel which vehemently denounces the genre in the same terms Wilson doesf), and the writers of Bored of the Rings, the Lampon parody, from which came "Arrowroot, son of Arrowshirt". "Ah, yes. The India." Moises nodded. "She is gone, in her catamaran, up the river. Two, maybe three.his way with his heavy-booted feet. The Intermediaries break easily, and it occurs to me then that they.196."Thanks," I said and winked at her. She dropped the receiver back on the cradle from a height of three inches and went back to typing. Grinning, I picked up my phone. "Hello, Janice," I said.."Look at it this way, Matt. No matter how we stretch our supplies, they won't take us through the."Come on in," she said, stepping back. "We might as well talk about this." They entered, and.Did she expect him to recognize her? She was beautiful enough, certainly, to have been someone he ought to recognize, but if he had seen her on TV, he didn't remember. In a way she seemed almost too beautiful to be a noted personality, since there is usually something a little idiosyncratic about each of them, so they can be told apart. Columbine Brown was beautiful in the manner not of a celebrity but of a deluxe (but not customized) sports car..happened. Pauline Kael's Movie Loon is another such fiction; these little creatures we send scurrying.the jagged lines of the rocks with regular angles and curves..deeper than that. Will you still try? ". "Ask me," said the grey man..\*Tm not promising anything, you understand. Unless we hit it off. If we do, then fine, you have my endorsement. Fair enough?".original site of the dome by three hundred meters of blowing sand. So McKillian assumed this second.And I fill her with them. And give her back to them.."Take whom you like," said the grey man, "so long as you bring back my mirror." The well-muffled sailor with the coil of rope on his shoulder stepped forward with Amos..She is instantly and utterly consumed. The face of Atropos remains shrouded in shadows..under the unimaginative control of the computer. With the two-person game, one player commands the.He didn't want to think about it now; he didn't want to think of anything. Not Nina, not Darlene, not even Robbie. Darlene would be all right, Robbie was fine, and Nina was gone. That left him, alone here with the drums. Damned pounding. Had to stop, had to stop so he could sleep-It was the silence that awakened him. He sat up with a start, realizing he must have slept for hours, because the shadows outside the window were dappled with the grayish pink of dawn..its topmost one.

There was a purposefulness about his mien that had been lacking on his previous visit; a. It is all a joke, isn't it? questions which are ten times as hard, and if you answer them correctly, you may pick up the mirror." admitted to the Commonwealth of Zorph as a Status V member. As a member in this privileged class, John Varley's first story for F&Sf was "Picnic on Nearside" in 1974. Since then, he has earned. "It stands. Come on up and I'll show you why." bring themselves to uproot the thing, even when five more like it sprouted in the graveyard. There was a. From somewhere there was the sound of knocking..swamp and rode the back of the North Wind?" From their expressions, it was plain that neither Song nor McKillian had thought of it. Window 28 was the window that issued licenses: he had passed. terms of pottery shards and atom bombs." because our reactor will run out of power in two years. We'll need another power source, and maybe. by EDWARD BRYANT. "We sure did, and we were lucky to have Marty Ralston along. He kept telling us the fruits in the graveyard were edible by humans. Fats, starches, proteins; all identical to the ones we brought along. The clue was in the orrery, of course." "Where did you get it?" asked Amos..they might have been imported from Mars. There were also the inevitable palm trees and clumps of bird. her to the cottage door. Hinda followed behind him, uncertain.

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