

Science Fiction and Fantasy

# A Galaxy Called Rome

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## I

THIS IS NOT a novelette but a series of notes. The novelette cannot be truly written because it partakes of its time, which is distant and could be perceived only through the idiom and devices of that era.

Thus the piece, by virtue of these reasons and others too personal even for this variety of True Confession, is little more than a set of constructions toward something less substantial ... and, like the author, it cannot be completed.

## II

The novelette would lean heavily upon two articles by the late John Campbell, for thirty-three years the editor of *Astounding/Analog*, which were written shortly before his untimely death on July 11, 1971, and appeared as editorials in his magazine later that year, the second being perhaps the last piece which will ever bear his byline. They imagine a black galaxy which would result from the implosion of a neutron star, an implosion so mighty that gravitational forces unleashed would contain not only light itself but space and time; and *A Galaxy Called Rome* is his title, not mine, since he envisions a spacecraft that might be trapped within such a black galaxy and be unable to get out ... because escape velocity would have to

exceed the speed of light. All paths of travel would lead to this galaxy, then, none away. A galaxy called Rome.

### III

Conceive then of a faster-than-light spaceship which would tumble into the black galaxy and would be unable to leave. Tumbling would be easy, or at least inevitable, since one of the characteristics of the black galaxy would be its *invisibility*, and there the ship would be. The story would then pivot on the efforts of the crew to get out. The ship is named *Skipstone*. It was completed in 3892. Five hundred people died so that it might fly, but in this age life is held even more cheaply than it is today.

Left to my own devices, I might be less interested in the escape problem than that of adjustment. Light housekeeping in

an anterior sector of the universe; submission to the elements, a fine, ironic literary despair. This is not science fiction however. Science fiction was created by Hugo Gernsback to show us the ways out of technological impasse. So be it.

#### IV

As interesting as the material was, I quailed even at this series of notes, let alone a polished, completed work. My personal life is my black hole, I felt Re pointing out (who would listen?); my daughters provide more correct and sticky implosion than any neutron star, and the sound of the pulsars is as nothing to the music of the paddock area at Aqueduct racetrack in Ozone Park, Queens, on a clear summer Tuesday. "Enough of these breathtaking concepts, infinite distances, quasar leaps, binding messages amidst the arms of the spiral nebula," I could have

pointed out. "I know that there are those who find an ultimate truth there, but I am not one of them. I would rather dedicate the years of life remaining (my melodramatic streak) to an understanding of the agonies of this middle-class town in northern New Jersey; until I can deal with those, how can I comprehend Ridgefield Park, to say nothing of the extension of fission to include progressively, heavier gases?" Indeed, I almost abided to this until it occurred to me that Ridgefield Park would forever be as mysterious as the stars and that one could not deny infinity merely to pursue a particular that would be impenetrable until the day of one's death.

So I decided to try the novelette, at least as this series of notes, although with some trepidation, but trepidation did not unsettle me, nor did I grieve, for my life is merely a set of notes for a life, and Ridgefield Park merely a rough working model of

Trenton, in which, nevertheless, several thousand people live who cannot discern their right hands from their left, and also much cattle.

## V

It is 3895. The spacecraft *Skipstone*, on an exploratory flight through the major and minor galaxies surrounding the Milky Way, falls into the black galaxy of a neutron star and is lost forever.

The captain of this ship, the only living consciousness of it, is its commander, Lena Thomas. True, the hold of the ship carries five hundred and fifteen of the dead sealed in gelatinous fix who will absorb unshielded gamma rays. True, these rays will at some time in the future hasten their reconstitution. True, again, that another part of the hold contains the prosthesis of seven

skilled engineers, male and female, who could be switched on at only slight inconvenience and would provide Lena not only with answers to any technical problems which would arise but with companionship to while away the long and grave hours of the *Skipstone's* flight.

Lena, however, does not use the prosthesis, nor does she feel the necessity to. She is highly skilled and competent, at least in relation to the routine tasks of this testing flight, and she feels that to call for outside help would only be an admission of weakness, would be reported back to the Bureau and lessen her potential for promotion. (She is right; the Bureau has monitored every cubicle of this ship, both visually and biologically; she can see or do nothing which does not trace to a printout; they would not think well of her if she was dependent upon outside assistance.) Toward the embalmed she feels somewhat more.

Her condition rattling in the hold of the ship as it moves on tachyonic drive seems to approximate theirs; although they are deprived of consciousness, that quality seems to be almost irrelevant to the condition of hyperspace, and if there were any way that she could bridge their mystery, she might well address them. As it is, she must settle for imaginary dialogues and for long, quiescent periods when she will watch the monitors, watch the rainbow of hyperspace, the collision of the spectrum, and say nothing whatsoever.

Saying nothing will not do, however, and the fact is that Lena talks incessantly at times, if only to herself. This is good because the story should have much dialogue; dramatic incident is best impelled through straightforward characterization, and Lena's compulsive need, now and then, to state her condition and its relation to the spaces she occupies will satisfy this need.

In her conversation, of course, she often addresses the embalmed. "Consider," she says to them, some of them dead eight hundred years, others dead weeks, all of them stacked in the hold in relation to their status in life and their ability to hoard assets to pay for the process that will return them their lives, "Consider what's going on here," pointing through the hold, the colors gleaming through the portholes onto her wrist, colors dancing in the air, her eyes quite full and maddened in this light, which does not indicate that she is mad but only that the condition of hyperspace itself is insane, the Michelson-Morley effect having a psychological as well as physical reality here. "Why it could be *me* dead and in the hold and all of you here in the dock watching the colors spin, it's all the same, all the same faster than light," and indeed the twisting and sliding effects of

the tachyonic drive are such that at the moment of speech what Lena says is true.

The dead live; the living are dead, all slide and become jumbled together as she has noted; and were it not that their objective poles of consciousness were fixed by years of training and discipline, just as hers are transfixed by a different kind of training and discipline, she would press the levers to eject the dead one-by-one into the larger coffin of space, something which is indicated only as an emergency procedure under the gravest of terms and which would result in her removal from the Bureau immediately upon her return. The dead are precious cargo; they are, in essence, paying for the experiments and must be handled with the greatest delicacy. "I will handle you with the greatest delicacy," Lena says in hyperspace, "and I will never let you go, little packages in my little prison," and so on,

singing and chanting as the ship moves on somewhat in excess of one million miles per second, always accelerating; and yet, except for the colors, the nausea, the disorienting swing, her own mounting insanity, the terms of this story, she might be in the IRT Lenox Avenue local at rush hour, moving slowly uptown as circles of illness move through the fainting car in the bowels of summer.

## VI

She is twenty-eight years old. Almost two hundred years in the future, when man has established colonies on forty planets in the Milky Way, has fully populated the solar system, is working in the faster-than-light experiments as quickly as he can to move through other galaxies, the medical science of that day is not notably superior to that of our own, and the human lifespan

has not been significantly extended, nor have the diseases of mankind which are now known as congenital been eradicated. Most of the embalmed were in their eighties or nineties; a few of them, the more recent deaths, were nearly a hundred, but the average lifespan still hangs somewhat short of eighty, and most of these have died from cancer, heart attacks, renal failure, cerebral blowout, and the like. There is some irony in the fact that man can have at least established a toehold in his galaxy, can have solved the mysteries of the FTL drive, and yet finds the fact of his own biology as stupefying as he has throughout history, but every sociologist understands that those who live in a culture are least qualified to criticize it (because they have fully assimilated the codes of the culture, even as to criticism), and Lena does not see this irony any more than the reader will have to in order to appreciate the deeper and more

metaphysical irony of the story, which is this: that greater speed, greater space, greater progress, greater sensation has not resulted in any definable expansion of the limits of consciousness and personality and all that the FTL drive is to Lena is an increasing entrapment.

It is important to understand that she is merely a technician; that although she is highly skilled and has been trained through the Bureau for many years for her job as pilot, she really does not need to possess the technical knowledge of any graduate scientists of our own time . . . that her job, which is essentially a probe-and-ferrying, could be done by an adolescent; and that all of her training has afforded her no protection against the boredom and depression of her, assignment.

When she is done with this latest probe, she will return to Uranus and be granted a six-month leave. She is looking

forward to that. She appreciates the opportunity. She is only twenty-eight, and she is tired of being sent with the dead to tumble through the spectrum for weeks at a time, and what she would very much like to be, at least for a while, is a young woman. She would like to be at peace. She would like to be loved. She would like to have sex.

## VII

Something must be made of the element of sex in this story, if only because it deals with a female protagonist (where asepsis will not work); and in the tradition of modern literary science fiction, where some credence is given to the whole range of human needs and behaviors, it would be clumsy and amateurish to ignore the issue. Certainly the easy scenes can be written and to great effect: Lena masturbating as she stares through the

port at the colored levels of hyperspace; Lena dreaming thickly of intercourse as she unconsciously massages her nipples, the ship plunging deeper and deeper (as she does not yet know) toward the Black Galaxy; the Black Galaxy itself as some ultimate vaginal symbol of absorption whose Freudian overcast will not be ignored in the imagery of this story ... indeed, one can envision Lena stumbling toward the Evictors at the depths of her panic in the Black Galaxy to bring out one of the embalmed, her grim and necrophiliac fantasies as the body is slowly moved upwards on its glistening slab, the way that her eyes will look as she comes to consciousness and realizes what she has become ... oh, this would be a very powerful scene indeed, almost anything to do with sex in space is powerful (one must also conjure with the effects of hyperspace upon the orgasm; would it be the orgasm which all of us know and love so well or

something entirely different, perhaps detumescence, perhaps exaltation!), and I would face the issue squarely, if only I could, and in line with the very real need of the story to have powerful and effective dialogue.

“For God's sake,” Lena would say at the end, the music of her entrapment squeezing her, coming over her, blotting her toward extinction, “for God's sake, all we ever needed was a screw, that's all that sent us out into space, that's all that it ever meant to us, I've got to have it, got to have it, do you understand?” jamming her fingers in and out of her aqueous surfaces

—But of course this would not work, at least in the story which I am trying to conceptualize. Space is aseptic; that is the secret of science fiction for forty-five years; it is not deceit or its adolescent audience or the publication codes which have deprived most of the literature of the range of human sexuality

but the fact that in the clean and abysmal spaces between the stars sex, that demonstration of our perverse and irreplaceable humanity, would have no role at all. Not for nothing did the astronauts return to tell us their vision of otherworldliness, not for nothing did they stagger in their thick landing gear as they walked toward the colonels' salute, not for nothing did all of those marriages, all of those wonderful kids undergo such terrible strains. There is simply no room for it. It does not fit. Lena would understand this. "I never thought of sex," she would say, "never thought of it once, not even at the end when everything was around me and I was dancing."

## VIII

Therefore it will be necessary to characterize Lena in some other way, and that opportunity will only come through the

moment of crisis, the moment at which the *Skipstone* is drawn into the Black Galaxy of the neutron star. This moment will occur fairly early into the story, perhaps five or six hundred words deep (her previous life on the ship and impressions of hyperspace will come in expository chunks interwoven between sections of ongoing action), and her only indication of what has happened will be when there is a deep, lurching shiver in the gut of the ship where the embalmed lay and then she feels herself falling.

To explain this sensation it is important to explain normal hyperspace, the skip-drive which is merely to draw the curtains and to be in a cubicle. There is no sensation of motion in hyperspace, there could not be, the drive taking the *Skipstone* past any concepts of sound or light and into an area where there is no language to encompass nor glands to register. Were she to

draw the curtains (curiously similar in their frills and pastels to what we might see hanging today in lower-middle-class homes of the kind I inhabit), she would be deprived of any sensation, but of course she cannot; she must open them to the portholes, and through them she can see the song of the colors to which I have previously alluded. Inside, there is a deep and grievous wretchedness, a feeling of terrible loss (which may explain why Lena thinks of exhuming the dead) that may be ascribed to the effects of hyperspace upon the corpus; but these sensations can be shielded, are not visible from the outside, and can be completely controlled by the phlegmatic types who comprise most of the pilots of these experimental flights. (Lena is rather phlegmatic herself. She reacts more to stress than some of her counterparts but well within the normal range prescribed by the Bureau, which admittedly does a superficial check.)

The effects of falling into the Black Galaxy are entirely different, however, and it is here where Lena's emotional equipment becomes completely unstuck.

## IX

At this point in the story great gobs of physics, astronomical and mathematical data would have to be incorporated, hopefully in a way which would furnish the hard-science basis of the story without repelling the reader.

Of course one should not worry so much about the repulsion of the reader; most who read science fiction do so in pursuit of exactly this kind of hard speculation (most often they are disappointed, but then most often they are after a time unable to tell the difference), and they would sit still much longer for a lecture than would, say, readers of the fictions of John Cheever,

who could hardly bear sociological diatribes wedged into the everlasting vision of Gehenna which is Cheever's gift to his admirers. Thus it would be possible without awkwardness to make the following facts known, and these facts could indeed be set off from the body of the story and simply told like this:

It is posited that in other galaxies there are neutron stars, stars of four or five hundred times the size of our own or "normal" suns, which in their continuing nuclear process, burning and burning to maintain their light, will collapse in a mere ten to fifteen thousand years of difficult existence, their hydrogen fusing to helium then nitrogen and then to even heavier elements until with an implosion of terrific force, hungering for power which is no longer there, they collapse upon one another and bring disaster.

Disaster not only to themselves but possibly to the entire galaxy which they inhabit, for the gravitational force created by the implosion would be so vast as to literally seal in light. Not only light but sound and properties of all the stars in that great tube of force ... so that the galaxy itself would be sucked into the funnel of gravitation created by the collapse and be absorbed into the flickering and desperate heart of the extinguished star.

It is possible to make several extrapolations from the fact of the neutron stars—and of the neutron stars themselves we have no doubt; many nova and supernova are now known to have been created by exactly this effect, not *ex-* but *im-* plosion—and some of them are these:

(a) The gravitational forces created, like great spokes wheeling out from the star, would drag in all parts of the galaxy within

their compass; and because of the force of that gravitation, the galaxy would be invisible ... these forces would, as has been said, literally contain light.

(b) The neutron star, functioning like a cosmic vacuum cleaner, might literally destroy the universe. Indeed, the universe may be in the slow process at this moment of being destroyed as hundreds of millions of its suns and planets are being inexorably drawn toward these great vortexes. The process would be slow, of course, but it is seemingly inexorable. One neutron star, theoretically, could absorb the universe. There are many more than one.

(c) The universe may have, obversely, been *created* by such an implosion, throwing out enormous cosmic filaments that, in a flickering instant of time which is as eons to us but an instant to

the cosmologists, are now being drawn back in. The universe may be an accident.

(d) Cosmology aside, a ship trapped in such a vortex, such a "black," or invisible, galaxy, drawn toward the deadly source of the neutron star, would be unable to leave it through normal faster-than-light drive ... because the gravitation would absorb light, it would be impossible to build up any level of acceleration (which would at some point not exceed the speed of light) to permit escape. If it was possible to emerge from the field, it could only be done by an immediate switch to tachyonic drive without accelerative buildup ... a process which could drive the occupant insane and which would, in any case, have no clear destination. The black hole of the dead star is a literal vacuum in space ... one could fall through the hole, but where, then, would one go?

(e) The actual process of being in the field of the dead star might well drive one insane.

For all of these reasons Lena does not know that she has fallen into the Galaxy Called Rome until the ship simply does so.

And she would instantly and irreparably become insane.

## X

The technological data having been stated, the crisis of the story—the collapse into the Galaxy—having occurred early on, it would now be the obligation of the writer to describe the actual sensations involved in falling into the Black Galaxy. Since little or nothing is known of what these sensations would be other than that it is clear that the gravitation would suspend almost all physical laws and might well suspend time itself, time only being a function of physics it would be easy to lurch into a surrealistic

mode here; Lena could see monsters slithering on the walls, two-dimensional monsters that is, little cut-outs of her past; she could re-enact her life *in full consciousness* from birth until death; she could literally be turned inside-out anatomically and perform in her imagination or in the flesh gross physical acts upon herself; she could live and die a thousand times in the lightless, timeless expanse of the pit ... all of this could be done within the confines of the story, and it would doubtless lead to some very powerful material. One could do it picaresque fashion, one perversity or lunacy to a chapter—that is to say, the chapters spliced together with more data on the gravitational excesses and the fact that neutron stars (this is interesting) are probably the pulsars which we have identified, stars which can be detected through sound but not by sight from unimaginable distances. The author could do this kind of thing,

and do it very well indeed; he has done it literally hundreds of times before, but this, perhaps, would be in disregard of Lena. She has needs more imperative than those of the author, or even those of the editors. She is in terrible pain. She is suffering.

Falling, she sees the dead; falling, she hears the dead; the dead address her from the hold, and they are screaming, "Release us, release us, we are alive, we are in pain, we are in torment"; in their gelatinous flux, their distended limbs sutured finger and toe to the membranes which hold them, their decay has been reversed as the warp into which they have fallen has reversed time; and they are begging Lena from a torment which they cannot phrase, so profound is it; their voices are in her head, pealing and banging like oddly shaped bells. "Release us!" they scream, "we are no longer dead, the trumpet has

sounded!” and so on and so forth, but Lena literally does not know what to do. She is merely the ferryman on this dread passage; she is not a medical specialist; she knows nothing of prophylaxis or restoration, and any movement she made to release them from the gelatin which holds them would surely destroy their biology, no matter what the state of their minds.

But even if this were not so, even if she could by releasing them give them peace, she cannot because she is succumbing to her own responses. In the black hole, if the dead are risen, then the risen are certainly the dead; she dies in this space, Lena does; she dies a thousand times over a period of seventy thousand years (because there is no objective time here, chronology is controlled only by the psyche, and Lena has a thousand full lives and a thousand full deaths), and it is terrible, of course, but it is also interesting because for every cycle of

death there is a life, seventy years in which she can meditate upon her condition in solitude; and by the two hundredth year or more (or less, each of the lives is individual, some of them long, others short), Lena has come to an understanding of exactly where she is and what has happened to her. That it has taken her fourteen thousand years to reach this understanding is in one way incredible, and yet it is a land of miracle as well because in an infinite universe with infinite possibilities, all of them reconstituted for her, it is highly unlikely that even in fourteen thousand years she would stumble upon the answer, had it not been for the fact that she is unusually strong-willed and that some of the personalities through which she has lived are highly creative and controlled and have been able to do some serious thinking. Also there is a carry-over from life to life,

even with the differing personalities, so that she is able to make use of preceding knowledge.

Most of the personalities are weak, of course, and not a few are insane, and almost all are cowardly, but there is a little residue; even in the worst of them there is enough residue to carry forth the knowledge, and so it is in the fourteen-thousandth year, when the truth of it has finally come upon her and she realizes what has happened to her and what is going on and what she must do to get out of there, and so it is [then] that she summons all of the strength and win which are left to her, and stumbling to the console (she is in her sixty-eighth year of this life and in the personality of an old, sniveling, whining man, an ex-ferryman himself), she summons one of the prostheses, the master engineer, the controller. All of this time the dead have been shrieking and clanging in her ears, fourteen

thousand years of agony billowing from the hold and surrounding her in sheets like iron; and as the master engineer, exactly as he was when she last saw him fourteen thousand years and two weeks ago, emerges from the console, the machinery whirring slickly, she gasps in relief, too weak even to respond with pleasure to the fact that in this condition of antitime, antilight, anticausality the machinery still works. But then it would. The machinery always works, even in this final and most terrible of all the hard-science stories. It is not the machinery which fails but its operators or, in extreme cases, the cosmos.

“What's the matter?” the master engineer says.

The stupidity of this question, its naiveté and irrelevance in the midst of the hell she has occupied, stuns Lena, but she realizes even through the haze that the master engineer would, of

course, come without memory of circumstances and would have to be apprised of background. This is inevitable. Whining and sniveling, she tells him in her old man's voice what has happened.

“Why that's terrible!” the master engineer says. “That's really terrible,” and lumbering to a porthole, he looks out at the Black Galaxy, the Galaxy Called Rome, and one took at it causes him to lock into position and then disintegrate, not because the machinery has failed (the machinery never fails, not ultimately) but because it has merely recreated a human substance which could not possibly come to grips with what has been seen outside that porthole.

Lena is left alone again, then, with the shouts of the dead carrying forward.

Realizing instantly what has happened to her fourteen thousand years of perception can lead to a quicker reaction time, if nothing else-she addresses the console again, uses the switches and produces three more prostheses, all of them engineers barely subsidiary to the one she has already addressed. (Their resemblance to the three comforters of Job will not be ignored here, and there will be an opportunity to squeeze in some quick religious allegory, which is always useful to give an ambitious story yet another level of meaning.) Although they are not quite as qualified or definitive in their opinions as the original engineer, they are bright enough by far to absorb her explanation, and, this time, her warnings not to go to the portholes, not to look upon the galaxy, are heeded. Instead, they stand there in rigid and curiously mortified postures, as if waiting for Lena to speak.

“So you see,” she says finally, as if concluding a long and difficult conversation, which in fact she has, “as far as I can see, the only way to get out of this black galaxy is to go directly into tachyonic drive. Without any accelerative buildup at all.”

The three comforters nod slowly, bleakly. They do not quite know what she is talking about, but then again, they have not had fourteen thousand years to ponder this point. “Unless you can see anything else,” Lena says, “unless you can think of anything different. Otherwise, it's going to be infinity in here, and I can't take much more of this, really. Fourteen thousand years is enough.”

“Perhaps,” the first comforter suggests softly, “perhaps it is your fate and your destiny to spend infinity in this black hole. Perhaps in some way you are determining the fate of the

universe. After all, it was you who said that it all might be a gigantic accident, eh? Perhaps your suffering gives it purpose. "

"And then too," the second lisps, "you've got to consider the dead down there. This isn't very easy for them, you know, what with being jolted alive and all that, and an immediate vault into tachyonic would probably destroy them for good. The Bureau wouldn't like that, and you'd be liable for some pretty stiff damages. No, if I were you I'd stay with the dead, " the second concludes, and a clamorous murmur seems to arise from the hold at this, although whether it is one of approval or of terrible pain is difficult to tell. The dead are not very expressive.

"Anyway," the third says, brushing a forelock out of his eyes, averting his glance from the omnipresent and dreadful portholes, "there's little enough to be done about this situation. You've fallen into a neutron star, a black funnel. It is utterly

beyond the puny capacities and possibilities of man. I'd accept my fate if I were you." His model was a senior scientist working on quasar theory, but in reality he appears to be a metaphysician. "There are corners of experience into which man cannot stray without being severely penalized."

"That's very easy for you to say," Lena says bitterly, her whine breaking into clear glissando, "but you haven't suffered as I have. Also, there's at least a theoretical possibility that I'll get out of here if I do the build-up without acceleration. "

"But where will you land?" the third says, waving a trembling forefinger. "And when? All rules of space and time have been destroyed here; only gravity persists. You can fall through the center of this sun, but you do not know where you will come out or at what period of time. It is inconceivable that you would

emerge into normal space in the time you think of as contemporary. "

"No," the second says, "I wouldn't do that. You and the dead are joined together now; it is truly your fate to remain with them. What is death? What is life? In the Galaxy Called Rome all roads lead to the same, you see; you have ample time to consider these questions, and I'm sure that you will come up with something truly viable, of much interest."

"Ah, well," the first says, looking at Lena, "if you must know, I think that it would be much nobler of you to remain here; for all we know, your condition gives substance and viability to the universe. Perhaps you *are* the universe. But you're not going to listen anyway, and so I won't argue the point. I really won't," he says rather petulantly and then makes a gesture to the other two; the three of them quite deliberately march to a porthole,

push a curtain aside and look out upon it. Before Lena can stop them—not that she is sure she would, not that she is sure that this is not exactly what she has willed—they have been reduced to ash.

And she is left alone with the screams of the dead.

## XI

It can be seen that the satiric aspects of the scene above can be milked for great implication, and unless a very skillful controlling hand is kept upon the material, the piece could easily degenerate into farce at this moment. It is possible, as almost any comedian knows, to reduce (or elevate) the starkest and most terrible issues to scatology or farce simply by particularizing them; and it will be hard not to use this scene for a kind of needed comic relief in what is, after all, an extremely

depressing tale, the more depressing because it has used the largest possible canvas on which to imprint its messages that man is irretrievably dwarfed by the cosmos. (At least, that is the message which it would be easiest to wring out of the material; actually I have other things in mind, but how many will be able to detect them?)

What will save the scene and the story itself, around this point will be the lush physical descriptions of the Black Galaxy, the neutron star, the altering effects they have had upon perceived reality. Every rhetorical trick, every typographical device, every nuance of language and memory which the writer has to call upon will be utilized in this section describing the appearance of the black hole and its effects upon Lena's (admittedly distorted) consciousness. It will be a bleak vision, of course, but not necessarily a hopeless one; it will demonstrate that our concepts

of “beauty” or “ugliness” or “evil” or “good” or “love” or “death” are little more than metaphors, semantically limited, framed in by the poor receiving equipment in our heads; and it will be suggested that, rather than showing us a different or alternative reality, the black hole may only be showing us the only reality we know, but extended, infinitely extended so that the story may give us, as good science fiction often does, at this point some glimpse of possibilities beyond ourselves, possibilities not to be contained in word rates or the problems of editorial qualification. And also at this point of the story it might be worthwhile to characterize Lena in a “warmer” or more “sympathetic” fashion so that the reader can see her as a distinct and admirable human being, quite plucky in the face of all her disasters and fourteen thousand years, two hundred lives. This can be done through conventional fictional technique:

individuation through defining idiosyncrasy, tricks of speech, habits, mannerisms, and so on. In common everyday fiction we could give her an affecting stutter, a dimple on her left breast, a love of policemen, fear of red convertibles, and leave it at that; in this story, because of its considerably extended theme, it will be necessary to do better than that, to find originalities of idiosyncrasy which will, in their wonder and suggestion of panoramic possibility, approximate the black hole ... but no matter. No matter. This can be done; the section interweaving Lena and her vision of the black hole will be the flashiest and most admired but in truth the easiest section of the story to write, and I am sure that I would have no trouble with it whatsoever if, as I said much earlier, this were a story instead of a series of notes for a story, the story itself being unutterably beyond our time and space and devices and to be glimpsed only

in empty little flickers of light much as Lena can glimpse the black hole, much as she knows the gravity of the neutron star. These notes are as close to the vision of the story as Lena herself would ever get.

As this section ends, it is clear that Lena has made her decision to attempt to leave the Black Galaxy by automatic boost to tachyonic drive. She does not know where she will emerge or how, but she does know that she can bear this no longer.

She prepares to set the controls, but before this it is necessary to write the dialogue with the dead.

## XII

One of them presumably will appoint himself as the spokesman of the many and will appear before Lena in this new

space as if in a dream. "Listen here," this dead would say, one born in 3361, dead in 3401, waiting eight centuries for exhumation to a society that can rid his body of leukemia (he is bound to be disappointed), "you've got to face the facts of the situation here. We can't just leave in this way. Better the death we know than the death you will give us."

"The decision is made," Lena says, her fingers straight on the controls. "There will be no turning back."

"We are dead now," the leukemic says. "At least let this death continue. At least in the bowels of this galaxy where there is no time we have a kind of life or at least that nonexistence of which we have always dreamed. I could tell you many of the things we have learned during these fourteen thousand years, but they would make little sense to you, of course. We have learned

resignation. We have had great insights, Of course all of this would go beyond you.”

“Nothing goes beyond me. Nothing at all. But it does not matter. ”

“Everything matters. Even here there is consequence, causality, a sense of humanness, one of responsibility. You can suspend physical laws, you can suspend life itself, but you cannot separate the moral imperatives of humanity. There are absolutes. It would be apostasy to try and leave.”

“Man must leave,” Lena says, “man must struggle, man must attempt to control his conditions. Even if he goes from worse to obliteration, that is still his destiny. ” Perhaps the dialogue is a little florid here. Nevertheless, this will be the thrust of it. It is to be noted that putting this conventional viewpoint in the character of a woman will give another of those necessary levels

of irony with which the story must abound if it is to be anything other than a freak show, a cascade of sleazy wonders shown shamefully behind a tent ... but irony will give it legitimacy. "I don't care about the dead," Lena says. "I only care about the living."

"Then care about the universe," the dead man says, "care about that, if nothing else. By trying to come out through the center of the black hole, you may rupture the seamless fabric of time and space itself. You may destroy everything. Past and present and future. The explosion may extend the funnel of gravitational force to infinite size, and all of the universe will be driven into the hole."

Lena shakes her head. She knows that the dead is merely another one of her tempters in a more cunning and cadaverous guise. "You are lying to me," she says. "This is merely another

effect of the Galaxy Called Rome. I am responsible to myself, only to myself. The universe is not at issue. "

"That's a rationalization," the leukemic says, seeing her hesitation, sensing his victory, "and you know it as well as I do. You can't be an utter solipsist. You aren't God, there is no God, not here, but if there was it wouldn't be you. You must measure the universe about yourself."

Lena looks at the dead and the dead looks at her; and in that confrontation, in the shade of his eyes as they pass through the dull lusters of the neutron star effect, she sees that they are close to a communion so terrible that it will become a weld, become a connection ... that if she listens to the dead for more than another instant, she will collapse within those eyes as the *Skipstone* has collapsed into the black hole; and she cannot bear this, it cannot be ... she must hold to the belief, that there is

some separation between the living and the dead and that there is dignity in that separation, that life is not death but something else because, if she cannot accept that, she denies herself ... and quickly then, quickly before she can consider further, she hits the controls that will convert the ship instantly past the power of light; and then in the explosion of many suns that might only be her heart she hides her head in her arms and screams.

And the dead screams with her, and it is not a scream of joy but not of terror either ... it is the true natal cry suspended between the moments of limbo, life and expiration, and their shrieks entwine in the womb of the *Skipstone* as it pours through into the redeemed light.

### XIII

The story is open-ended, of course.

Perhaps Lena emerges into her own time and space once more, all of this having been a sheath over the greater reality. Perhaps she emerges into an otherness. Then again, she may never get out of the black hole at all but remains and lives there, the *Skipstone* a planet in the tubular universe of the neutron star, the first or last of a series of planets collapsing toward their deadened sun. If the story is done correctly, if the ambiguities are prepared right, if the technological data is stated well, if the material is properly visualized ... well, it does not matter then what happens to Lena, her *Skipstone* and her dead. Any ending will do. Any would suffice and be emotionally satisfying to the reader.

Still, there is an inevitable ending.

It seems clear to the writer, who will not, cannot write this story, but if he did he would drive it through to this one conclusion, the conclusion clear, implied really from the first and bound, bound utterly, into the text.

So let the author have it.

#### XIV

In the infinity of time and space, all is possible, and as they are vomited from that great black hole, spilled from this anus of a neutron star (I will not miss a single Freudian implication if I can), Lena and her dead take on this infinity, partake of the vast canvas of possibility. Now they are in the Antares Cluster flickering like a bulb; here they are at the heart of Sirius the Dog Star five hundred screams from the hold; here again in ancient

Rome watching Jesus trudge up carrying the Cross of Calvary ... and then again in another unimaginable galaxy dead across from the Milky Way a billion light-years in span with a hundred thousand habitable planets, each of them with their Calvary ... and they are not, they are not yet satisfied.

They cannot, being human, partake of infinity; they can partake of only what they know. They cannot, being created from the consciousness of the writer, partake of what he does not know but what is only close to him. Trapped within the consciousness of the writer, the penitentiary of his being, as the writer is himself trapped in the *Skipstone* of his mortality, Lena and her dead emerge in the year 1975 to the town of Ridgefield Park, New Jersey, and there they inhabit the bodies of its fifteen thousand souls, and there they are, there they are yet, dwelling amidst the refineries, strolling on Main Street, sitting in the

Rialto theatre, shopping in the supermarkets, pairing off and clutching one another in the imploded stars of their beds on this very night at this very moment, as that accident, the author, himself one of them, has conceived them.

It is unimaginable that they would come, Lena and the dead, from the heart of the Galaxy Called Rome to tenant Ridgefield Park, New Jersey ... but more unimaginable still that from all the Ridgefield Parks of our time we will come and assemble and build the great engines which will take us to the stars and some of the stars will bring us death and some bring life and some will bring nothing at all but the engines will go on and on and so after a fashion, in our fashion will we.

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