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WORLDS OF *TOMORROW*

THE GOOD FRIENDS
Cordwainer Smith

ALL WE
MARSMEN

Philip K. Dick

THE NIGHT OF
THE TROLLS

Keith Laumer

THE MASKED
WORLD

Jack Williamson

THE LONELY
by JUDITH MERRILL



WORLDS OF TOMORROW[®]

OCTOBER 1963

Vol. 1 No. 4

ALL NEW STORIES

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COMPLETE SHORT NOVEL

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THE LONELY

BY JUDITH MERRIL

ILLUSTRATED BY LUTJENS

**If we practice our "Space Speech"
and listen real hard—is this the
sort of thing we're going to hear?**

TO: The Hon. Natarajan Roi Hennessy, Chairman, Committee on Intercultural Relations, Solar Council, Eros.

FROM: Dr. Shlomo Mouna, Sr. Anthropologist, Project Ozma XII, Pluto Station.

DATE: 10/9/92, TC.

TRANSMISSION: VIA: Tight beam, scrambled. **SENT:** 1306 hrs, TST. **RCVD:** 1947 hrs, TST

Dear Nat:

Herewith, a much condensed, heavily annotated, and topsecret coded transcript of a program we just picked up. The official title is

GU#79, and the content pretty well confirms some of our earlier assumptions about the whole series, as this one concerns us directly, and we have enough background information, including specific dates, to get a much more complete and stylistic translation than before.

I'd say the hypotheses that these messages represent a "Galactic University" lecture series broadcast from somewhere near Galactic Center, through some medium a damn sight faster than light, now seems very reasonable.

This one seemed to come from Altair, which would date transmission from there only a few years



LUXEING

after some incidents described in script. Some of the material also indicates probable nature of original format, and I find it uncomfortable. Also reraises question of whether Altair, Arcturus, Castor, etc., relay stations are aimed at us? Although the content makes that doubtful.

Full transcript, film, etc. will go out through channels, as soon as you let me know which channels. This time I am not pleading for declassification. I think of some Spaserve reactions and—frankly I wonder if it shouldn't be limited to SC Intercult Chairmen and Ozma Sr. Anthropoids—and sometimes I wonder about thee.

Cheery reading.
Shlomo

TRANSCRIPT, GU#79, Condensed Version, edited by SM, 10/9/92, TC. (NRH: All material in parens is in my words—summarizing, commenting, and/or describing visual material where indicated. Straight text is verbatim, though cut as indicated. Times, measurements, etc., have been translated from Standard Galactic or Aldebaran local to Terran Standard; and bear in mind that words like “perceive” are often very rough translations for SG concepts more inclusive than our language provides for.—SM)

(Open with distance shot of Spaserve crew visiting Woman of Earth statue on Aldebaran VI. Closeup of reverent faces. Shots of old L-1, still in orbit, and jump-ship trailing it. Repeats first shot, then to Lecturer. You may have seen this one before.

Sort of electric eel type. Actually makes sparks when he's being funny.)

The image you have just perceived is symbolic, in several senses. First, the statue was created by the Arlemites, the native race of Aldebaran VI (!! Yes, Virginia, there *are* aborigines!!) in an effort to use emotional symbols to bridge the gap in communications between two highly dissimilar species. Second: due to the farcical failure of this original intent, the structure has now become a vitally significant symbol—you perceived the impact—to the other species involved, the Terrans, a newly emerged race from Sol III. (Note that “you perceived.” We must accept the implication that the original broadcasting format provides means of projecting emotional content.) Finally, this two-fold symbol relates in one sense (Shooting sparks like mad here. Professional humor pretty much the same all over, hey?) to the phenomenon of the paradox of absolute universality and infinite variety inherent in the symbolism.

(Next section is a sort of refresher-review of earlier lectures. Subject of the whole course appears to be, roughly, “Problems of disparate symbolism in interspecies communications.” This lecture—don't laugh—is “Symbols of Sexuality.” Excerpts from review:—)

The phenomenon of symbolism is an integral part of the development of communicating intelligence. Dis-

tinctions of biological construction, ecological situation, atmospheric and other geophysical conditions, do of course profoundly influence the racially infantile phases of intellectual-emotional-social development in all cultures . . . (but) . . . from approximately that point in the linear development of a civilization at which it is likely to make contact with other cultures—that is, from the commencement of cultural maturity, following the typically adolescent outburst of energy in which first contact is generally accomplished . . . (He describes this level at some length in terms of a complex of: 1, astrophysical knowledge; 2, control of basic matter-energy conversions, “mechanical or psial;” 3, self-awareness of whole culture and of individuals in it; and 4, some sociological phenomena for which I have no references.) . . . all cultures appear to progress through a known sequence of i-e-s patterns . . . (and) . . . despite differences in the *rate* of development, the composite i-e-s curve for mature cultural development of all known species is identical enough to permit reliable predictions for any civilization, once located on the curve.

(Then progresses to symbolism. Specific symbols, he says, vary even more, between cultures, than language or other means of conscious communication, as to wit—)

It is self-evident that the specific symbols utilized by, for instance, a septasexual, mechanophilic, auri-phased species of freely locomotive discrete individuals, will vary great-

ly from those of, let us say, a mitotic, unicellular, intensely psioid, communal culture. (Which makes it all the more striking, that) it is specifically in the *use of symbols*, the general consciousness of their significance, the degree of sophistication of the popularly recognized symbols, and the uses to which they are put by the society as a whole, that we have found our most useful constant, so far, for purposes of locating a given culture on the curve.

(Much more here about other aspects of cultural development, some of which are cyclical, some linear—all fascinating but not essential to understanding of what follows.)

Sexuality has until recently been such a rare phenomenon among civilized species that we had casually assumed it to be something of a drawback to the development of intelligence. Such sexual races as we did know seemed to have developed in spite of their biological peculiarity, but usually not until after the mechanical flair that often seemed to accompany the phenomenon had enabled them to escape their planet of origin for a more favorable environment.

I say more favorable because sexuality does seem to develop as an evolutionary compensation where (some terms untranslatable, some very broad, but generally describing circumstances, like extra-dense atmosphere, in which the normal rate of cosmic radiation was reduced to a degree that inhibited mutation and thus, evolution) . . .

As I said, this seemed almost a freak occurrence, and so it was, and is, here in the heart of the Galaxy. But in the more thinly populated spiral arms, the normal rate of radiation is considerable lower. It is only in the last few centuries that we have begun to contact with any considerable numbers of species from these sectors—and the incidence of sexuality among these peoples is markedly higher than before.

Recently, then, there has been fresh cause to investigate the causes and effects of sexuality; and there has been a comparative wealth of new material to work with.

(Here he goes into a review of the variety of sexual modes, ranging from two to seventeen sexes within a species, and more exotica-erotica of means, manners, and mores than a mere two-sexed biped can readily imagine. Restrain yourself. It's all in the full transcript.)

But let me for the moment confine myself to the simplest and most common situation, involving only two sexes. Recent investigations indicate that there is an apparently inevitable psychological effect of combining two essentially distinct subspecies in one genetic unit. (Sparks like mad.) I perceive that many of you have just experienced the same delight-dismay the first researchers felt at recognizing this so-obvious and so-overlooked parallel with the familiar cases of symbiosis.

The Terrans, mentioned earlier, are in many ways prototypical of sexuality in an intelligent species,

and the usual and rather dramatic events on Aldebaran VI have added greatly to our insights into the psychology of sexuality in general.

In this culture, dualism is very deeprooted, affecting every aspect of the i-e-s complex: not just philosophy and engineering, but mathematics, for instance, and mystique.

This cultural attitude starts with a duality, or two-sided symmetry, of body structure. (Throughout this discussion he uses visual material—photos, diagrams, etc., of human bodies, anatomy, physiology, habitat, eating and mating habits, etc. Also goes off into some intriguing speculation of the chicken-or-egg type: is physical structure influenced by mental attitudes, or is it some inherent tendency of a chromosome pattern with *pairs* of genes from *pairs* of parents?)

In this respect, the Terrans are almost perfect prototypes, with two pairs of limbs, for locomotion and manipulation, extending from a central — single — abdominal cavity, which, although containing some single organs as well as some in pairs, is so symmetrically proportioned that the first assumption from an exterior view would be that everything inside was equally mirror-imaged. Actually, the main circulatory organ is single—though consisting of two valves; the main breathing apparatus is paired; the digestive system is single—although food intake is through an orifice with paired lips and two rows of teeth. In both “male” and “female” types, the organ of sexual contact is single, whereas the gamete-producers are pairs.

There is a single, roundish head set on top of the abdomen, containing the primary sensory organs, all of which occur in pairs. Even the brain is paired!

I mentioned earlier that it is typical of the sexual races that the flair for physical engineering is rather stronger than the instinct for communication. This was an observed but little-understood fact for many centuries; it was not till this phenomenon of dualism (and triadism for the three-sexed, etc.) was studied that the earlier observation was clarified. If you will consider briefly the various primitive sources of power and transport, you will realize that—outside of the psi-based techniques—most of these are involved with principles of symmetry and/or equivalence; these concepts are obvious to the two-sexed. On the other hand, the principle of unity, underlying all successful communication—physical, verbal, psial, or other—and which is also the basis for the application of psi to engineering problems—is for these species, in early stages, an almost mystical quality.

As with most life-forms, the reproductive act is, among sexual beings, both physically pleasurable and biologically compulsive, so that it is early equated with religio-mystic sensations. Among sexual species, these attitudes are intensified by the communicative aspects of the act. (Cartoon-type diagrams here which frankly gave me to think a bit!) We have much to learn yet about the psychology of this phenomenon, but enough has been established to make clear

that the concept of unity for these races is initially almost entirely related to the use of their sexuality, and is later extended to other areas—religion and the arts of communication at first—with a mystical—indeed often reverent attitude!

I hardly need to remind you that the tendencies I have been discussing are the primitive and underlying ones. Obviously, at the point of contact, any species must have acquired at least enough sophistication in the field of physics—quanta, unified field theory, and atomic transmutation for a start—to have begun to look away from the essentially blind alley of dualistic thinking. But the extent to which these Terrans were still limited by their early developmental pattern is indicated by the almost unbelievable fact that they developed ultra-dimensional transport *before* discovering any more effective channels of communication than the electromagnetic!

Thus their first contacts with older civilizations were physical; and, limited as they still are almost entirely to aural and visual communication, they were actually unable to perceive their very first contact on Aldebaran VI.

(Shot of Prof Eel in absolute sparkling convulsions goes to distance shots of planet and antiquated Earth spaceship in orbit: L-1 again. Then suborb launch drops, spirals to surface. Twenty bulky spacesuited figures emerge — not the same as in opening shots. This looks like actual photographic record of landing, which seems unlikely. Beautiful

damn reconstruction, if so. Narration commences with Aldebaran date. I substitute Terran Calendar date we know for same, and accept gift of one more Rosetta Stone.)

This time is the year 2053. For more than six decades, this primitive giant of space has played its way through the restrictive medium of slowspace. Twice before in its travels, the great ship has paused.

First at Procyon, where they found the system both uninhabited and uninviting; and at the time they did not yet know what urgent cause they had to make a landing. (Our date for Procyon exploration, from L-1 log, is 2016, which fits.)

Then at Saiph, two decades later, when they could provide a bare minimum of hospitality—no more than safe footing for their launches, in which they would live while they tried to ensure their future survival. But this system's planets offered little hope. One Earth-size enveloped in horror-film type gases and nasty moistures. One more with dense atmosphere of high acid content: probe from ship corroded in minutes.)

They limped on. A half decade later they came to a time of decision, and determined not to try for the next nearest star system, but for the closest one from which their radio had received signs of intelligent life: Aldebaran.

What they had learned between Procyon and Saiph was that those of their crew who were born in space were not viable. The ship had been planned to continue, if necessary, long beyond the lifespan of its first crew. The Terran planners had in-

geniously bypassed their most acute psychosocial problem, and staffed the ship with a starting crew of just one sex. Forty females started the journey, with a supply of sperm from one hundred genetically selected males carefully preserved on board.

Sex determination in this species is in the male chromosome, and most of the supply had been selected for production of females. The plan was to maintain the ship in transit with single sexed population, and restore the normal balance only at the end of the journey.

The Terrans have apparently reached a level of self-awareness that enables them to avoid the worst dangers of their own divisive quality, while utilizing the advantages of this special (pun intended—Prof. Eel was sparking again) ambivalence. Their biological peculiarities have, among other things, developed a far greater tolerance in the females for the type of physical constraints and social pressures that were sure to accompany the long slow voyage. Males, on the other hand, being more aggressive, and more responsive to hostile challenges, would be needed for colonizing a strange planet. (Dissertation on mammals here which says nothing new, but restates from an outsider's—rather admiring—viewpoint with some distinction. Should be a textbook classic—if we can ever release this thing.)

That was the plan. But when the first females born on the trip came to maturity, and could not conceive, the plan was changed. Three male infants were born to females of the original complement—less than half

of whom, even then, were still alive and of child-bearing age.

(Well, he tells it effectively, but adds nothing to what we know from the log. Conflicts among the women led to death of one boy, eventual suicide of another at adolescence. Remaining mature male fails to impregnate known fertile women. Hope of landing while enough fertiles remained to start again pretty well frustrated at Saiph. Decision to try for first contact made with just five fertiles left, and nearest system eight light years off—with Aldebaran still farther. Faint fantastic hope still at landing, with just one child-bearer left—the Matriarch, if you recall?)

Remembering the reasons for their choice of Aldebaran, you can imagine the reaction when that landing party, first, lost all radio signals as they descended; then, could find no trace whatsoever—to their senses—of habitation. The other planets were scouted, to no avail. The signals on the Mother Ship's more powerful radio continued to come from VI. One wild hypothesis was followed up by a thorough and fruitless search of the upper atmosphere. The atmosphere was barely adequate to sustain life at the surface. Beam tracing repeatedly located the signal beacon in a mountain of VI, which showed—to the Terrans—no other sign of intelligent life.

The only logical conclusion was that they had followed a "lighthouse beacon" to an empty world. The actual explanation, of course, was in

the nature of the Arlemites, the natives of Aldebaran VI.

Originating as a social-colonizing lichen, on a heavy planet, with—even at its prime—a barely adequate atmosphere, the Arlemites combined smallness of individual size with limited locomotive powers and superior air and water retentive ability. They developed, inevitably, as a highly psioid culture—as far to one end of the psychophysical scale as the Terrans are to the other. (My spelling up there. I think it represents true meaning better than "psycho".) The constantly thinning choice between physical relocation and a conscious evolutionary measure which this mature psioid race was far better equipped to undertake: the Arlemites now exist as a planet-wide diffusion of single-celled entities, comprising just one individual, and a whole species.

(Visual stuff here helps establish concept—as if you or I just extended the space between cells.)

It seems especially ironic that the Arlemites were not only one of the oldest and most psioid of peoples—so that they had virtually all the accumulated knowledge of the Galaxy at their disposal—but were also symbiote products. This background might have enabled them to comprehend the Terran mind and the problems confronting the visitors—except for the accidental combination of almost total psi-blindness in the Terrans, and the single-sexed complement of the ship.

The visitors could not perceive their hosts. The hosts could find no way to communicate with the visitors. The full complement of the ship, eventually, came down in launchers, and lived in them, hopelessly, while they learned that their viability had indeed been completely lost in space. There was no real effort to return to the ship and continue the voyage. The ranks thinned, discipline was lost, deaths proliferated. Finally, it was only a child's last act of rebelliousness that mitigated the futility of the tragedy.

The last child saw the last adult die, and saw this immobility as an opportunity to break the most inviolable of rules. She went out of the launch—into near-airlessness that killed her within minutes.

But minutes were more than enough, with the much longer time afterwards for examination of the dead brain. It was through the mind of this one child, young enough to be still partially free of the rigid mental framework that made adult Terrans so inaccessible to Arlemites, that the basis was gained for most of the knowledge we now have.

Sorrowingly, the Arlemites generated an organism to decompose the Terrans and their artifacts, removing all traces of tragedy from the planet's surface. Meanwhile, they studied what they had learned, against future needs.

The technological ingenuity of these young sexuals will be apparent when I tell you that only four decades after the departure of that ill-fated first ship, they were experi-

menting with ultra-dimensional travel. Even at the time of the landing at Aldebaran, ultra-di scouts were already exploring the systems closest to Sol. Eventually—within a decade after the child's death—one of these came to Aldebaran, and sighted the still-orbiting Mother Ship.

A second landing was clearly imminent. The Arlemites had still devised no way to aid this species to live in safety on their planet, nor did they have any means to communicate adequately with psi-negatives whose primary perceptions were aural and visual. But they did have, from the child's mind, a working knowledge of the strongest emotional symbols the culture knew, and they had long since devised a warning sign they could erect for visual perception. The statue of the Woman of Earth was constructed in an incredibly brief time through the combined efforts of the whole Arlemite consciousness.

They had no way to know that the new ship, designed for exploration, not colonizing, and equipped with ultra-di drive, which obviated the long slow traveling, was crewed entirely by males. Even had they known, they did not yet comprehend the extreme duality of the two-sexed double-culture. So they built their warning to the shape of the strongest fear-and-hate symbols of—a female.

(Shot of statue, held for some time, angle moving slowly. No narration. Assuming that emotional-projection notion—and I think we must—the timing here is such that I believe they first project what they seem to think a human female would

feel, looking at it. I tried women on staff here. They focused more on phallic than female component, but were just as positive in reactions as males. ??? Anyhow, like I said, no narration. What follows, though out of parens, is my own reaction.

It seems more a return than a venture.

The Woman waits, as she has waited . . . always? . . . to greet her sons, welcome us . . . home? . . . She sits in beauty, in peacefulness, perfect, complete, clean and fresh-colored . . . new? . . . no, *forever* . . . open, welcoming, yet so imperious . . . warm and . . . untouchable? . . . rather, *untouched* . . . almost- but never, forgotten Goddess . . . Allmother, Woman of Earth . . . enveloped, enveloping, in warmth and peace . . .

One stands back a bit: this is the peace of loving insight, of unquestioning womanhood, of great age and undying youth . . . the peace of the past, of life that is passed, of that immortality that nothing mortal can ever achieve except through the frozen impression of living consciousness that we call *art*.

The young men are deeply moved and they make jokes. "Allmother," one hears them say, sarcastically, "Old White Goddess, whaddya know?"

Then they look up and are quiet under the smiling stone eyes. Even the ancient obscenely placed spaceship in her lap is not quite absurd, as it will seem in museum models—or tragic, as is the original overhead.

(Prof. Eel goes on to summarize the conclusions that seem obvious to him. Something is awfully wrong; that's obvious to me. How did they manage to build something so powerful out of total miscomprehension? What are we up against, anyhow? And, to get back to the matter of channels, what do you think this little story would do to Spaserve brass egos? Do you want to hold it top secret a while?)

End of Transcript

TO: Dr. Shlomo Mouna, Sr. Anthropologist, Ozma XII, Pluto

FROM: N. R. Hennessy, Solar Council Dome, Eros

DATE: 10/10/92

TRANSMISSION: VIA tight beam, scrambled. SENT: 0312 hrs. RCVD: 1027 hrs.

Dear Shlomo:

Absolutely, let me see the full package before we release it elsewhere. I've got a few more questions, like: Do they know we're receiving it? How do we straighten them out? Or should we? Instinct says yes. Tactics says it is advantageous to be underestimated. Think best you come with package, and we'll braintrust it. Meantime, in reply to your bafflement—

"L" class ships, you should have known, are for "Lysistrata." Five of them launched during brief Matriarchy at beginning of World Government on Terra, following Final War. So sort out your symbols *now*.

And good grief, where did the *other* four land?

NRH