



THE BEST OF SCIENCE FICTION



CONTENTS

COUNTINE CLOCKTHISTELLS THE TIME Indianaby Harlon Elisan Bushalian by Mail Klotwer	n
NNERCONANS pictoral by Frank Armitage and Paul Rock, feet by Kathleen Stein	
NCDY GAME fiction by Robert Shedilley (Justicition by Somue) Box	
UNACCOMPINED SCHIER fiction by Dean Scott Card, illustration by Swifth Taylor	
MAGNIFICATIONS pictoral by David Schort feet by Scor Mons	
CEBACK MARGON licitor by Hoylard Ferce illustration by Evolyn Toylor	
VISICINS OF THE COSMOS potanti by Andre Sokolov text by F.C. Durant II	
NO RUTURE NIF fiction by Joe Holdeman (ILustration by Gottfred Helhwon	
GRUATIA GALANTE fiction by Affed Bester Busicion by H.P. Giger	
AUBNILANDICA/ES cicharld by Les Edwards John Harris Terry Ookes and Tony Roberts	
MICHAN Ictor by Sen Sova Bulliolar by John Schoenher	
SMCI CITES period by Hony Homon	
HALFJACK fiction by Roger Zelazny Autotion by Michel Herwoot	

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■ HC CORAT EXPEDIMENT It is difficult to undestand, now find Own magazine is such an clavious success, how great a fisk Bob Guccione took when he decided to launch "the magazne of the future

No one had ever damed to produce a magazine that blended factual science, science fiction, fontasy, and sophisticated graphics into a single handsome package of extremely triah. quality-and high cost

Publishing "experts" predicted that the magazine would never get of the ground it would contain science faction! Who would read that stuff? The only propale who read science fiction then were tiny groups of fanatics who never litted their noses up from their digestsized magazines and paperback books. They preferred this frerary isolation

Even within the science-tiction community itself, considerable doubt was expressed about an "outsider" bringing out such a magazine someone who wasn't intimately connected with sci-

ence fiction from childhood

I had a deeper warry Orna immediately captured the attention of millions of readers. Science fiction was no longer confined to digest-sized magazines and a relatively small and "in aroup" readership. As Omni's fiction editor, I wondered whether the science fiction writers would come frieugh for Omni. Could they write stones that would entertain those readers who had never read

In just the first twelve issues of Omni, science fiction writers from Assembly to Zelozny come through with memorphie, exicting stores This anthology presents the cream of the first years crop ten fine new stones by such Old Pros as Harlan Ellison and Robert Sheckley as well as such newer stars as George R. R. Martin and Orsan Scott

And in keeping with Oran's breadth of subject material, we opened up the visual side of science fiction to your future-seeking exes. We offer an interview with Arthur C. Clarke, perhaps the best-known and most respected science-fiction writer in the world

The great experiment that is Omni has proved to be a sturning success Turn the page and learn why

FOUND!

Thousands of lives were jeopardized by Computer-Two's malfunction . . so we had to go aloft and set things straight

BÝ ISAAC ASIMOV

Computer - Two. We the other three that choose death other's table in origin round the farth, was made inger three in that to be. It might have been one territhin domester and self contained all the volume it medical to select the excursa-land and accountsisting of into control in proper high. The control is the control in proper high. The control is the control in proper high. The control is the control in the control is the control in the control in the part high control in the part has deep the control in the part has deep the control in the part of it could get testide, if we have for the control in the part of its could get testide. If we have for the control in the part of its could get testide, if we have for the control in the part of the control in the part of the pa

so that Joff and Looking get assess, a weak to Ander he mid by the Control he made by the c

There was to save wey at which ordinary people would know how many Sines it oragin save! Perhaps never Perhaps lance a day. Only Computer-Central could measure the knew-delay induced by error and only Computer-Central saves how many of the component spens hed been used as replacement. And Computer-Central never taked about it. The only good public image is perfection.

linear libror access. In many prolanges is perfection. Until now, there was never any call for Joe and risk. We see the results of the see that the seed of the

that was before our time.
We keep in produce Don't get me wrong.
There isn't a computer mide that Joe and I con't depress. Since us the error and we'll show you he in mathanishes, of Joe will, anyway. I'm not the kind who sings one's own praises. The record appeals for fault.



Anyway this time, nother of us could

The occord filtrig final final pale and was the break with in it entered and the empoghous was not significant with first from and they could use in. It made no sense Joe let a look of guint cross the homely face and suid. There must be a dozen things out of whace Sortiacon as Computer Gertral soud. The hard of grown for computer of performance of the properties of the

than, what do we do?"

Joe looked uncombinated. I think it was at the looked uncombinated that was coming. Find the explicit enough the service enough to make a some processor enough to make the modellated and the spot-induced the looked that was considered and the service and tolk in looked that other respon to the looked that other respon to the looked that the chief respon to the looked that of the looked that of the looked that of the looked that the looked the looked that the looked th

not it to the 2 lines within a perty high number. Solizad ofter him: We I have logicity. Joe's only wild, out avoid have been to say he didn't think he could have been to say he didn't think he could have long to and I watched his price slowly come out wheat of he cowardice. Not by much you understand—by a none it so say. To those of you wish haven to been on a seasonation on the lest fifteen events. and I

happened and the analysis of the analysis and a property to th

. .

Job his dhis beach through acceleration or all least he seamed to it must worst warm very constrate in press I lives only in the tip. I we taken a couple of vocations on Settlement-Pho with rity husband but it minite wastly a season band, and the very releved for a white buy only to a white. He poil despondent

a while he got despondent the parties thing knows where it is going he said, periosity I assanded my arms forward, polinis up

computer apecialist Don't you know it knows?

Sure but Computer Two is off We senot hooked into Computer Two and There are these others. And swen it

only one were left functional, it could hand all the spacetights undertaken on an ave age day All four might go off. If Computer Two

"Soulido et l'aupone You know how —! think no?" So they'll salk me in For the lowe of Ernac the groened There was no problem actually. We moved out to Computer Two as smooth as

serent we were placed not a purking obtick lier misers behard it.
What was not so serent was the shoubarry store out see git the news fourbarry that Computer three was loany.
Each that Computer three was loany.
Computer has one going to get the was
and when all four were out spooeting
vouck grant to that it could be recorpraced on a manual basis, gourly but it was
would some morths at a minimum, possibly
years and thele would be serous ecocommon dislocation or fast it. Word get doraced collection or fast it.

would surely die

It wouldn't bear thinking of and nether
lice nor I talled about it but it didn't make
lice of exposition sweeter and ligt's faces it in

didn't make me any happer. Each hung most than two hundred thousand shometers below us but Jon wasn't bethered by that. He was concentating on his tether and chocking the cartridge in his seatcher gain. He wanted to miles sure he could get be Communer flam miles sure he could get be Communer flam miles sure he could get be Communer flam.

You doe surpress — If you've rever med, — how you can per your sparse legal you abackursy have to Evection to go there was nothing but and we do were foll the sugwer used. But we timally reached any own surpress to that it is not computer level with surpress two (thou at all when we struck Computer two (thou have not struck Computer two that is not struck Computer two strucks and the surpress of the computer of the surpress of the computer of the surpress of

this screen raws mough the fieldsout bakes of your spaceast — but free was haidly any bump just a whoper) Of course but confact and the addition of our momentum attend the orbit of Computer has alightly but the expensi-



tues of fuel compensated for that and we didn't have to worry about it. Computer Net took care of it, for nothing had gone wring with it as fat as we could tell. that affected any of its external workings.

any of its expensal workings.
We want over the outside first, naturally.
The chances were pastly overwhelming that a small pube of gravel had whothed through Computer Two and left an unimal pulsets for Twent Team on all probability.

one going in and one coming out.

The chances of that happeaning set one in two mileon on any given day—even morely that it will happen is lead another thousand wars. If it not lead to but to an your leads to the chance of the

know The charpos are one in not more ton belien that on any one day it will struck by a meteored large enough to

I didn't merteri that because Joe might sellor that we were exposed to smillar olds consolve. In fact any given strike on us would do far more dismalge to cur solt and tender bodies than to the strices and much-enduring machinery of the computer and I claim taken Joe more nervous

than he wild. The things shough at waith a metaoroid. "What is thin?" said Job, finally It was a small opinion shout to the color wait of Computer has the first absormably we had born in its outward appearance it was about half a committee in distribution and perhaps as committee in disjunction and perhaps as committee in disjunction.

countries for any of you show bean to cought up in the aneque fad of smoking. If We brought out our small flashights. It I said. That is not one of the editinal.

This are on 1. multipred Joe.
There was a family aprail marking running round the cylinder from one end to the other Northing else. For the rest, if was clearly metal, but of an odd grawy legiture—all least to the eyo.

Joe said "it's not light." He touched it gaintly with a fat and gaunifeted linger and it gave. Where it had

er-Two tillfed, and our fashes shore down on a visible gap.
There's the season gas pressure inside declared to zero. I said.

declined to zero. I said.
Joe grunted. He pushed is liste habter, and the cylinder popped away and began to disft. We wanaged to share it after a liste trouble. Left between assis a perfectly country. Two lists is said of Computer Two builds.

Joe said. This thing, whatever this rish ti much make than foll. It gave easily under his langers, that but

apped shift and said. Go dear his blood de and see if there are any other nome like at on it. I il go inside." It didn I take me very long. Than I went in

It didn't bee me very long. Than I wert in the clean. I said. That's the only thou si there is The only tole. Si One is enough, said Joe, gloomly he looked at the smooth aluminum of the wall.

and in the light of the flush, the perfect on credie of black was beautifully exident It was not difficult to place a read over the look it was a training difficult to reconstitute the aimosphere. Computer fluor is serve gare forming supplies were toward.

The solar generator was impling, but we managed to get the lights on Eventually were moved our geuntlets and helman but Joe carefully placed the geuntlets made his halmet and secured

them both to one of his suit loops

I want these handy if the air pressure
begins to diop. The said, sourly
So I did the same

So I did the same
There as a mask on the seal just next to
the hide I had noted to in the light of my fael.

You notice that Jos? I said I notice There was a slight namew depression in the wall, not very noticeable at all but them beyond a doubt if you can your finger over it.

low camping of the initial so that the sinface was distinctly less smooth that alsowhere I said. We'd batter call Computer-Cartral downstans. If you meet back or Earth say so, 546 If you meet back or Earth say so, 546

Joe "I have the phony space tisk in fact, have everything about strace. That a stry took an itastination pb—I mean a job or Earth—or what was supposed in bit one I said pasently. We'd behar call Com-

What for?
To the frem we've found the trouble
Cot? What did we find?
The folio Persember?

Oddy enough I do And what caused the hole? Toward I meet sole one that would team a particular love with no septs of booking or melling. And I level sole one that level is a cythidal behalf the cat sole of the cat sole of

"Twe report to Computer Central They ask the question and we'll say we don know and what will we have garried? Er cost handle?"

"Sure And we want amaker will we?"
They ill sessure scendfung slidous Joseph Wey Ill sessure scendfung slidous Joseph Wey Ill send up a releft party.
You know Compuser Central III will 128 them her days to decide on That Well The senset than herbon them and and a we have

somathing before then and once we have somathing well call them. The internal structure of Computer Ner was not valify designed for human conpancy. What was foreigned was the cocksional and temporary processor of houses shooters. That means these headed to be

e ether or any certoringal initiation of one
We both flosted in motar childing slowly
this way or that Docusionally one of un
touched the wall and gently rebounded O
the part of one of us overlapped part of the

*Reep your fost cut of my mouth "said be and the pushed it wasy violently it was a massive because we both began to turn O'course that's not how it looked to us. To us it was be intered to Computer 'Nei that was summing which was most unpresent and it took us a white to got relatively mid-

We had the theory perfectly worked out mour planebade training but we were shart on practice A foll short. By the ame we had steaded ourselves.

restate of additionalises of space and in mastee of additionalises of space and in mass, but whatever you cell it, it is the have and its worse in reposit Pain office of the have and its worse in reposit Pain office of the have and its worse in reposit Pain office of the have a description of the pain of the have a description of the displacement of the pain of th

thing to get my mind off my insides and in moving feet elevation. Head of things weren moving feet elevation. I kept thinking of Damputer-Three on its way down the subtainable of maybe Computer-Chie and Four by now loss and these and of poople in space with their less hanging on what we did also looked a little greatest to but it said. First it way to their Something so lead. First it way to their Something so.

in Exast androped because whatever this chip was the wed a main hole out of the huff in assistate out, because I belon the a crisis of metal anywhere made Did you?

"Ne But I hadn't hought to look it looked and its movement in here."

With the cylinder covering the hole 11 pulled it away? A likely thing Did you see anything come flying out?

inything dome flying dut?

No
Joe said: "We may still find it in here of

"What compling "Whole is it?" Jeen gin was tempikably ill-natured. Why do you before relieng questions to which there are no arrived of "I'll the was fast pentury I'd say the Russins had sometime.

I decided to be offended I said cold

We in trying to say corrething fast make
sonse the century local ground it an ext
gended Russian pronunciation

graph suspens prescribing or Tilly II have to assume some danders or grap at the last well have to assume one with a capacity for specifight and with the ability to come up with a unusual device on Lee said, Spacehight presents no of lauthes if you can tax into the orders computers illegally—whigh has been

It doesn't make sense I said. Where: the part in trying to disable Computer

Then inveryone suffers. The dissidents

But it get s'everyone s'attention doesn't

closely adging over it square cerameter by You want me to make the case? The

To that what you is looking for? I said

He fried to stop top quickly and some? edon of Russian is-well fragmentary

Joe tack the cylinder out of his pouch

Part of d is Taut x how d gets diverging

"Why not? Look Computer-Two can re-

What you're saying I said to that we "Who on Earth pould make such a

Withour Factor

So my mind required Pen and I lingers didn't close on it. Just reaching for amell object in midar is a two handed op-

realized that my pen was sately in its

I don't smoke "bu know that A studed answer Wrything? I said in

He lunded for it I could have told from it up We were seeing them wherever we

I stopped one at last. Or rather it



begun to eat its way through

perly and put it against the wall to hold it

These was a montress should 4 too it

wiggled slowly are end seaming to seek stuck Joe's finger pushed it away it

The metal worm - I don't know what else.

Joe "I said "for Heaven's sake, have I

Joe, and I'll watch you if our suits are

Joe said. Keep maying then

1 dight smash it, did 12

a decimeter it won tiget away

Act of reproducing said Joe as he

It doesn't take much to kill them" said

What are you talking about?

Joe sumped in terror and nearly knocked it. I nucleic acid molecule coated in a protein

solves and in place of the one invading

pose. They drift through space till they lind

I said "You make it sound that every time

Richt And it must be controlled Forts

He don't have to explain further -- or as

We did until we were sufficiently worn out Joe's suggestion as to what the PAAS

The MAS pay out what they can out of

I said "All right. My suggestion is we toll

aphere shows a pressure drop

his eye was one of deep trouble. We didn't

report is that we've been found? DO



One danger that haums soence éclion is the locking formed l'issabling robots. The destilect of these wars constructed of these wars constructed of these wars and exceld sow be called androds. Frankersbern a mainoter (1977), and Capelés. PUB (1985), those with contraction of the contraction of

stignature of remail of both and a considered remail of both and considered remail of the considered remail of the considered remail of the considered remails and pages of the seath purply magazane. Flarark Reade is Steem Man for the considered remails and the considered remails and the considered remails with the considered remails and the considered remails and





ROBOTS

A giftering gallery to celebrate those timeless workhorses of science fiction





cal substitution for human posts are for weaker than the congreds, that beone man needs or wheelcharm-old a substitution, which must slip that in the future to mationalize a superior technology that makes the creattion and keeds, or of must be and the post of the time and keeds, or of must who is only 10 posteen thuman, the rest being manufactured parts of a data entered or bothological entered entered entered or bothological entered entered





would conflict with the First Law
3. A robot must profact its own oxisterice as long as does not conflict with the First or Second Law Once the roboco vaned relationships could be explored. Catford Simak, in his City series, shows mankind evolving and leaving the earth to the robots



(1947) rines dincover a danger in royers men from being sturting all develop-ment of the human race. With all the ro-botic goodness Bester's Fordly Fahrenheit about a Hwing once as-

signed man's abribula to a the relandonship of the sytetic robot cope-then why not 8 8 8 8 7 7 looks rice and it is handy to use in industry today, look nothing at all like the classic clarities. The commonest are SF step has nonhumanoid

STREET & LEGAL are Saberhagen's Berserkers, super war machines. galaxy destroying all forms of life DO

COUNT THE CLOCK THAT TELLS THE TIME

BYHARLANELLISON

When I do count the clock that fells the lime, And see the braw day sunk in hideous night, When I behold the while Jpast prime, And sable curis all silver'd o'er with white, When holly these I see barren of leaves When holly these I see barren of leaves Borne on the leave with wite and brakly beaut, Then of thy beauty do! question make, That thou among the wastes of time must go.

abelian ded mode of a Study all amount me see has decided as a see of the see

ned As though something important were pass PAINTING BY MATLKLARWEIÑ



again it had been enloying her for some

rooted to a tary apartment in Chicago vir dissans witching television till sign off todger with a fine point nik pen unable to wordow of the cafeteria slowly extraction

people and know none of them drawing from streets darking water and apple

from cancer never having been able to to any woman but his mother I lan Ross.

Until one day he had said. Where does

rent of blue white smoke hands thrust deep

leafy at staring at the Loch, preen and

He had been 35 when he said "Where



He felt lonely starved incapable of

change. What do you want to be when you

The sky began to bleach out

chalkeness like an ineptly prepared paint-

A city of lowers and minarels as seen tree branches is great waited fortress in the metals of a corched westeland, the vollow

ten Ross set troose on the hillarde. The world was during around him. No ... if was venetimo teding our dematematicing As if pert ford and immutable object in a

past him caught in a cyclonic wnithsorial

He sat now still quest too replated to be

He thought perhaps it had been an

chi' stand there was nothing beneath or

ment of it with atractute clarity it was some-

• He was out of phase with all around him. an alien object. A ruin from

drinking air that was not his to drink moment, with a fiv buzzing the dream died for him.9

they had been bought but that he had

able In this nowhere. And he walked through only spaces

grow stark. He sat alone with his mother

He remembered that Saturday now And ends of his Engirs. Then he felt the con-

After a white he enuffled opened his eyes, and say her standing in front of him ywishle ground of this nonexistant place

"That won't help much" she said. She

Monport pryco Probably just got sucked in here," she said it was not guite a guestion though it He continued to look at her hoping she coold self tern which had happened to him-And to hirt? She was here iso. "Could be verine" she said, crossing her Could be verine "she said, crossing her his girl could be been a Selfacen or a ribbon self- or which in self- and in had harp pre-birman. He dishift respect the dishift series which she was sheing should she winked why white lath was sheing should she winked why whereful being should she

need open or an amount purposable of or a hospital bed genething like that He just set their and shaed at me diceded a liter outdith tell me a thing. I was soared out of my mind on assumptible a cholden with fair head out off. Ween tell as long time after that before I met someone who spoke linguish."

He tried to speak and found his throat was dry his visice came out in a croall. He sealthwest and well tris lipe. 'Another many other un other papers were not all stone.'

Lists of others. Hundrids, thousands God only knows, maybe whole countries.

tall of people here. No animals though They continued at the way we do: Wazas 17 What? Time son Precous lovely ame That's all there is just time. See of flowed time.

Armaia don'i know about firme.

As the spoke in slaping structure of a street with a s

gut and chewed the phantom image son nog sish (But aven the deed asheehad to life than the grayness through which skin sist on sweed.) ap in Riss ducked leightened. Then it was not e.

women and "Looked a lot like London during the Big First First Phispape, then the size I was easier size of the Phispape, then the size I was easier size of the Phispape (and that you had been a size of the phispape (and size of the phispape) which is strong and the phispape (and size of the phispape) which is some around the phispape (and size of the phispape) which is some around the phispape (and size of the phispape) which is some around the phispape (and size of the phispape).

street ment sure set there's some around in here who cain; though One day IT in into one of them. If I find out and we ever meet again IT be sure to let you know Bound to happen. But her hote green no notely and and there was desolution in her expression. "Maybe: Maybe we'll meet again. Never happens: but it might Never again. Never happens: but it might Never

happen! She stated to walk away hobbling selfwardly lan got to his feet with difficulty but as curcilly as he could. Hey wait! Where are you going? Please lady don't leave me here all allow. The scanned to be here to

myself " She stopped and turned filting addly on her bad leg. Got to lices moving. Keep

you can't get anywhere there is a way out you've sat get to keep moving it if ou that it. She started again saying ovair her sheakfor. If gives I won't be seeing you again. I don't think it a liken. The arm She seemed very started. As if no one led over touched her in the place ouring all this.

The nor after her and gatabear her arm. She serried very started As if no one feel elements of the serried very started As if no one feel over toochad her in the place ourning all the feel or one she had been here. Luster you veget to tell me some things all definitions you will get to tell me some things distinctions you will provide the service of don't you understand? You have to have

don't you understand? You have to have some understanding. She looked at him carefully "All right as much as it can then you'll let me go?" He nocated. "I don't know what happened to me.

appear and everything that was left was this just this gray nothing? He nodded

see you can have any posses amend and of a continue the imms to weete on you. You illicam that too Just here assisting purifices pricing for a way out.

He middle fets. That does not tall me anything when we shadows that go past all the time?
All to middle fets counting a vicinatifities.

pharton classes or backwarpses as make offset strongh them. She strugged and signed I tank its hatony Imnot sure. I'm guessing you understand Bet I films it is all the bits and people of the past going through on far way somewhere.

skince indicated —with a land of helpiess appeal to be let go —that she could will him nothing lattine.

He recibile respiredly. All right Thank you.

She furned with him bad let the thanks are latting and also with her wealt on it for too.

any limbo. When she was almost out of gight he found himself able to speak again ngthe sixed. I so softly to paich her Sood bye. I safe, Thank you. He wondered how did she was. How long he had been here. If he would one time far you now he killer her? If I would not some far you now he killer her? If I would not some far you now he killer her? If I would not so.

He wordered it people cled have Before he met Catherine is long time lose he met hat he met the luneau who

hm and why it had happened.

They also each other glanding on opposite sides of a particularly evol phartom of the Bettle of Waterloo. The battle raged past them and through the clash land g

locate they wered to each other. When the schole by when the schole proof and nichole by learning emplained between them the track as if preceding intended objecting in the land as all preceding intended for a long acticupe. But placeaucides come the vast of indetermals ago but clearly past fire model years included the land of the land action of the land of the l

In Ross was started in the timeless time he had wendered through his limbo he had executently codes and Benbers and Thiscens hoders and sleet Gorts an endless stream of humping humanity that would neither provide or stop. This man was scentified different terminately (in

Inhevir a maxima But the warnes to state. The older man reached lain and octended his hand. "Cowper or Justinian Cowper Archamas masaphysician concultant to the forces of time and space at yea. Small Diol parconnerin you ser one only recently come to our late Valihabla, one in need of illumination?" Genosiny'l Dehindey.

can see that is the base." Is began to say something almost anything in response but the widty gestiquist ing old man pressed on without dewing a breath. "This most report manifestation the one we were both perialiged to withess was it micratar you se aware, the protest incomercial Waterston in which the Little Corterior Manifestation in which the Little Cor-

wouldn't you say?"
hacen't history? Ign started to ask him
hacen't history? Ign started to ask him
hacen he had been in this gray place
but the did man barrely pussed before a
hest toner of leads splided out
Summigly seminacent of that mervelous scene in Stendarlis Charteshous of
Parette in whach Filterians young immorrie

assessment of the control of the con

He had are out of the halfs the stopped and lang happed into the east. That's what it is les to know for Cowper. What's happened from "I've lest always the cold content that when the east of the eas

The old man alipped his arm around for is back and began walking with him two performs strolling in confidence on a suffmer attemptor by the edge of a cool to accept his destroy Accept it, or I wron

and how I get out of here. And if you gan t

"Nothing easier my good man. Explanation is the least of a Observation of low? Woll then we are victims of the law of ter matter which can reither be created

absolutely necessary to maintain order in the universe. Keeps events discrete, you tybution there is a counterbalancing how measurable units-which I've decided. after conscienable thought, to call otro-

none" He caused perhaps toping lan would

That's insone it doesn't make sense " Makes perfectly good sense I assure Time unused is not wasted it is leached tory you see shooting past us is that part of

belance. I assure you But what am / doing here?

"You force me to hur! your feelings sir" You wasted your life. Wasted time. All went on through pulled loose like a piece

But you don't spern to be the sort of others I've seen yes I can see that but

The old man's eyes grew resty He spoke with difficulty. Yes, I belong here

And after a long, long time that was time-

He saw her as a spot of darkness append www and he walked on for a while watchdecided to change direction it didn't mat-

ter Nothing mattered he was alone with his memories, replaying again and again

She did not move leven though he was

6The world was vanishing as if all the sand had run out of the hourdlass

were the only fixed and immutable object in a

universe suddenly cut loose from its time-anchor?

When he was quite close his could see that she was sifting cross-legged on noth-

bed he thought with her head hucked ered half her face he could make out a sweet face, very pale sten, a mole on her Her eyes were closed he decided they

screaming at Lycurgus's exhortations in pest not very far away lan spood staring, and after a while he sat

At first momentary ferror stantament

How long have you been there?" My name is fan Ross The said. anonly. I asked you how long you've been esting there watching me

I don't like being watched you're being He got to his feet without answering and began walking away Ch wall

He kept walking. He didn't have to be bothered like that. She caught up with him

aftel own around to stand in front of him "1 Nes I can I'm sony I bothered you

"I stidn I say that." "You said I was being rude I am never ruce. I'm a very well-mannered person

Howaked according 5th san after terr All right, okey maybe I was a link out of Now if was her move. My name is

Catherina Mointr How do you do? Longer than I wanted to be here. that's

'Can you explain what's happened to He thought about it. Welking with some

one would be a rece change. 'Let me ask you something " Ian Rose said beginning Hanging Gardena of Babylon walking past them. 'Did you waste a lot of time sitting

They same lang down side by side bethat The Badle of the Ardennes First World left twen in the middle of no-man's land was a month of Sundays III was a year to

the worst of times who could measure it? Them were no signiposts no lown gress no Trey had becam to talk treely. His told her again that his name was lan Rosa, and she ted Catherne Catherne Moinar again been errory "Plain" she said "I was plain I

am plan. No con I bother to say you frink! have nice checkbones or a firm figure it. world change a thing. If you want older, I've He didn't say she had nice cheekbonss

The Battle of the Ardennes was swiring

SWEY COW Ian Boss got to his feet quickly and

She watched him for a while leaping him in staff. Then she got up, dusted off

"Nothing to be agriry about "

I offended you "No you didn't I just felt like walking." Stop it last I did I offended you

edge of boldness. No of pourse you're not I never thought such atteng. Then she said 'Well I am "Sony he said because he sich t know

the right fixing to say if there was a right "Not your tout" she soul. Which was the

years old the properly desperate age for Straightening the trinkets in her iswelly

day mapping the floors in the three room apertment, putting acade one full evening to back the buds on the coleus, calling Auri shoope repainting tingernals parefully so

come to the office and straighteness the nothing Thrityfour

Oh if s just comething I practiced to azy after the tret time I slept with a man. I

always foll there should be aproetted one-

naito say instead of all the things I read in

"I think it is a very clover phrase." Even spread I think they call it to play Chopin A

technical ferms. Octave is good enough. I "I like peats niewon " he saut resigned

straied. Where could she go? Where could could play the piano all the girls clus-

buy pranos. They get those electric

better for fellows. We me who don't play They got up and walked again-

wasted their lives, how they had sat there hadn't tooked like Bengaran Franklin but maybe is might have been) had been executions in the Pans of the Revolution

most caught it. Once they were privileged measure of measureless are. Once they had had no effect on firem-by the winds But when she looked at him with a gentle artile he noticed for the first time that her

Then not too soon after she said she loved hers, too. But she could see mot through the liesh

They walked with their entities are not early other having found each other. They said many times, and agreed it was so that they

gether setting small goals for each iday

And sometimes when the mail cleaned

began to watesh from Irribo. Mester could

And they thought backer if corresposate Invisible motes of their selves were cray place. Were sent where needed to called. And could never be retained shadows existed for an instant, and then

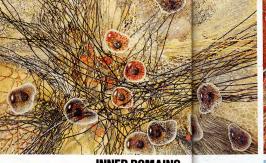
loss and then she without shadow pulled apart and spattered followed Separation matter feeing There was the soundless echo of a di-

The universe was passed to accept rethey had never been

Plolemy prowned King of Egypt, the Battle in Japan. Jerusalem falling to Saladin and on and on a great events empty trudged past endlessly - endlessly

too late two of their nameless order had found the way out DO







INNER DOMAINS

Uncharted regions of bone and sinew become fantastic art in the service of science

BY KATHLEEN STEIN

offy in my stady or varisbase structure, I became entranced by the sections pleasure I delived from conarian Paul Parks. Like his predecessors from the Wrist to
Andrew Wyleth, Peck contraction from the Mine to
control colds with the structure of the producessors from the Wrist to
Andrew Wyleth, Peck controllates the myth first the artistic at
control colds with the structure of the producessors from the Wrist
control colds with the structure of the produces of the countribution

of the produces of

The completifies of a human face—the is participating in a scientflow's three-dimensional rendering of the various forces and notifies components of connective travel for the stroke (fig. of the optic disposal disputation of plantness and backers, neurons (feebed).



It's event Before the invention of the centreal, medical distriation with the only mean—other than descriting consists—of basin-ing parameters. After ophy modesquely the in any englement of the large agreement of the composition of the compo

netwee are so stimutable. The relationships so hisden by overlying tesses, that is photograph bends to concluse rather than clarify Medicali int neptures the essence of life, a more subfect task in fact, advancing photographic technology has done at a fasor in the sinucleur of bone (stone lett). Agit veniced of the heart fatore.















Arminges conceptualization of the brain's optic system (above 160) here synapse (right) The exposed fendin sheaths of the hand, pathrage says says (above last), clotall view (right). Anytic on mal board

§ I would reveal especially those microscopic structures—in a manner to fire the imagination.
§







it was a prime corpus, complete with reconditioned heart, lungs, and enriched glands

BODY GAME

BY ROBERT SHECKLEY

ing to you because you are our senior Senator and because you seed at election time last year that you were our servent and that we should write to you emmediately if we had any grevances. You were very definite, and you even got a little hulfy and said it was actually a ottom's duty to wine to his Senator and litch him. know what was going on Well. Senator, I thought about that a lot Naturally I didn't beleve the part about you being our servant. what with you earning 50 times, or 100 times. or for all I know 1000 times what we do But the fring about writing to you, which you were so nestent on, this part got to me
Your words puzzled me at first when you said we should let you know what was going on here I mean, you were raised in this only same as me and a man would have to be

PAINTING BY SAMUEL BAK

your time in Westengton, so maybe you are Specifically, I want to sell you about my

At the time all this began. Grandfather hadn't even had to wear glasses until he saved Grandtather was able to pull his

of us which was lucky since we were barely The old boy just lay around the apart ing television. He always made his own

wards. Afternoons he went down to the Get a new body. Sounders said Grandlather thought it over 'Well by God he said maybe a man my age our ladk on Sundays held take them to ought to be ready to die, but I'm not. Still too Sheedshead Bay and they'd walk along many throop to look at, you know what I mean? Sure I'm ready to put on a new "That's the problem." Saunders said. Medicare doesn't handle corpus rechemical junk is beyond me. We boiled if placement you know."

T know. Grandfather said sactiv. "Don't see how. Grandfather said

around for a while, then made up his mind Well of course that was just plain sily and we told him so Man of 40 can't find and water Lousy old pervent why can't you weits But Grandfather wouldn't allow it

a ob as a garbage sorter a assistant in he used totalitus. Why in God siname must Loay in order to work a useful job I do well?" Well. he held that job or others like it for nearly 20 years. But then someone rt-

of work. Grandfather was about 90 new

Grandlather warted to know

Famous Austrian doctor wasn't he?"

When I heard about that I seems I was

no more than in a parrot. And besides

the test time in his life he hadn't felt well. We

Grandfather asked and Einstein and smarter than both of

them. He put longevity on the map. You finee-day checkout on Grandather At the because it didn't make any sense to have end of it he seed. There is nothing serong about used up, and your arteres can't

He was never any trouble, and the kids liked him and even May my sele said he Wall he didn't pay any aftertion to my new heart and if d blow out your arteries Patch and mend your artenes, and your

"Sonny he wiked "how old is Arthur "One hundred and thirty or so " I said

Must be a good 175. He's gone through

"And Morris Meton?"

I don't look how or where he got the

(Tel 380 delians in the set. And he wouldn't now aid with a top of avoid on lot

That's crazy talk " lid tell him "What do arrant you for latering. You simply don't pany into trouble. It just happens to be

looking bodies in the window Junk middle Always a couple of salestime in sharp subsi saling joks on the videophore. The salestime must sell to each other because I never are anyone olde in there. We walked in and darked following over

the goods. One of the salesmen came distiing over nice and easy smiling while he was still 50 feet away.
"I refer to a nine horty?" he assert

told him.

He laughed I was a very with fellow.

"Take your time." he said. "But it share is

How much is that one? Grandfather asked.

I sale that you're a man of teste. the salestman said. That is our from model—pert of General Dysamicals new spring ten. The Eton is as teet fall 170 pounds releases and AA All its organic here incomed the Good Househoping seel of approvid General City Basic occupies.

approval General City Baster occupies a modified Etc. did you know that? The brain and nervous system are by Dymoor and have been rated in best buy by Companer Queries. Soutproneurs: this perticular model came out very in feety—robor the lacual flechtones and the criniq leuphines around the year. Sho cloth shall per pill find.

sort of clean

How much is 47 Grandfather saked

Torgot to mention if comes with a Ne

How much?"
Well or this week we're having our annual cleanance sale. Solely because of that I can let you have the number for aginteen thousand more hundred dollars tracks present off fact.

teeine percent off 162.
Grandtather shock his head. Do you actually expect to sell that thing up hone?
You'd be autorised. The salesman lold him. Sometimes a main haid in on the numbers or coming into an internation.

my granditation said. You got anything chapter?
The salection had plently of chapter?
The salection had plently of chapter incided? There were a flexibility-flexibility-level so \$10,000 and a Society GM Everyment for \$85,000 There was a Union Castele-Chryster Go Main, with pitable har and glass yeals of \$2000 and a Seasi liest unset West-reaching without vious less consideration of the profession of the season of the s

\$1695 Hall I wasn't interested in a thetic anyhow Grandfather said a used-body department?

Then show me some good reheads."
He took us into a back room when the bodies were stocked against the well like openhabed it was like one of those old-time of horse things. I mean tonestly we will like the mean or of those backet.

as books' with chewed earth records this books that hash who had not books as assembled out of patter found at who had and the chewer as used as bodies with the well stated and a double of spatter for the well stated and a double of spatter for the had to be a supporting the satisfact to be pastly but we had it expected any the pastly but we had it expected any the pastly but we had the particular the pastly but we had the pastly but the pastly the pastly the pastly the pastly the pastly t

to a dog right. There really ought to be a law

was going to stimatical and match card was going to stimatical and match card and match card as the feet good cold a pitch good cold as pitch good cold as pitch good cold as many good cold match a large many good cold as many good as feet match good as many good as feet match good as feet good as fee

be saleemen told him. It just so happy
the hard a good eye for meethend
the saleemen told him. It just so happy
that this little number will outperform a
be high-price new jobs
thooles sackly. Grandtother said.

Not a chance This is a prime corpus my deer as and it comes conspillate with recondanced heart collator-type lungs heavy-duty liver and enriched glands. The model comes with row kindings as standard equipment a discible mealated stomach and two hundred feet of Armour is linied interior. What no see this of little 187.

intectine What do you think of Iffidi stry.

Well I don't know! Grandfather said.

But the spleaman knew it book about fifteen mendae for him to sell the lopaded body to my grandfather.

You get a one-month quarantee on se.

reads My standishine gold into it the following day and a lasted him three. Then it be best began to risce and flytter on sold only shall be been began to risce and flytter one sold only shall be could be reliable to the three only worked partners A lang satisfiable could be reliable as a standish debting and the level began to shall be debting and the level began to shall be satisfiable of the shall be s

company earl make good on the body. They got some prefly mity clauses in that contact of them, and out block legal advisor says we could light in the counts for tan years and not be suit of the outcome. And in the meastime. Grandfather would be dead. So film writing to you first and primarily.

Either sayurther all II get trem you is a form interior or maybe even a real failed them your secretary expressing teget at your mability to recordly the generous wrong and that you'll probably member how you in introducted or sponsored a bit before Congress that II do something about if if in even gatts passed And all that comp. Boil and Septicidative sepect, he'll die because he haath I the pring of a disease in body and notochy will do anything about in That's beameds as session gatter limit to the service of the right? But I they they when you happens to this your fail of the propers to this

little people?

by guideline and all the rest of the above to the work of the rest of the above to the work of the rest of the above to the work of the rest of the above to the work of the rest of the above the rest of the work of the rest of the res

long enough

We've decided that if you and the other
people in power don't do something about
if they we're going to The time has come to

is of it message regards to feature law come to do take a stand of take a stand of the come to do take a stand of the come to do take a stand of the come the come that the come the come that the com

that a hell at a lot of us have been thinking the same inhoughts as Grandlather and of dang a slow burn about it.

Before this, we didn't know what to do. Now we do know.

We are simple men Sension and we do don't have any big hinking as some as well as the don't have any big hinking as some as well.

gs figure that oil mist ought to be roughly fee aqual And we understand that no laws are at going to do that the So our program is to left sich guye. Do away with them extrally.

That may not accord very constitutive as the reviews But to us in looks simple is snaightforward and we finisk it if be effective.

When going to kill the not when and how we are find twith not many to constitution.

was made not what he used for Well fall allow leaders are well as beyond, highclass comments as well as beyond and on ear Well fall amone and electron who that all on more than well as like their best as not as the same and the same or until we all like the profile of the shing too. And well are as mall bill assisters and congressions are as hall bill assisters and congressions.

So there it is. Senator I hope you help my grandlather if you did if mean that maybe you see things our way and well be glidd to put, you on the defended list and give you tries weeks to get in do the worth you we been able to accumulate. You grow where to recommittee.

of You've have a continued in the you and we you can't reach at all However the time goes I'm dropping out of eight. Don't be the coking for me you were the yearn permitted. Here are at tell of a lot more of us that there are of you. We've never of us that there are of you. We've never

of us than there are of you. We've not been able to bring this thing off before in grandative falls in w—never in the hast of the world. But who the hell there are good by a first time for wearything. Maybe w even makes it this time put down your Go on Age and build our own.

here s looking at you. Senato the sights of a gun. **DO**



UNACCOMPANIED Sonata

He was an artist, so he had to be kept under close control BY ORSON SCOTT CARD

If has Christian Hardden was as months idl, prohimmy tests showed a prüdeise position laward rightm and a loon seemeda of position. Then were often tests, of ocurse, and many passible routes still open to him. But rhythm and jutch were be governing signs of his own private codies, and sheauly the reinforcement began. MY and Min. Harddison were practical with tapes of many londs of sound and instruction to play them consisting whether and instruction to play them consisting whether the production of the properties of the pro-

Ornoten were available or solder.

When Chrisses Harddoon was two years old, his seventh bettery of leads prepareted the path he would inswitchly follow His creativity was exceptional; his cuncerly assatishie, lits undestalanding of music, so interior that on top of all the tests was written "Poolity".

within Frouly was the word that look him has he pleases home to a house in about deciduos looks when went was seeing and violes land port of the pleases and the looks and provide the looks and the looks and provide house self-well to provide, and the looks and the looks and the looks and and wind song and the catalying of weller wood houses and the last or of of policies beams as the bridge and the last or of of policies hearns as the bridge three and tumbled to the earth. Also on the roof and the look when to models the house and and the looks are to the looks and the looks are to the looks and the looks and the looks are to be looks and looks and looks are to be looks and looks and looks and looks are looks and looks and looks and looks are looks and looks and looks and looks are looks and looks and looks are looks and looks

of squimas and the deep blence of show falling on a moorflest right. These sounds were Christian's only conscious music He grow up with the symphonics of his early years only distant and impossible to retieve the constant of the symphonic of the control of the

memons. And so he learned to hear make in urmuscal things—for he had to find music, ever when there was none to find. He found the colors made sounds in his monlight in surmer was a bloing cherd, monolight in wreet, a thin, mountail wast low green in spring, a low music in all least following the principle music makes the properties of the music makes the flash of a ned for in the times of the second s

PAINTING BY EVELYN TAYLOR

And he learned to play all those sounds

which he liad to himself most of the time

san played (as children will with the in-

Gradually the sounds of the fower outwinds sing through his Instrument, he

There's a new sound north of here least above everything else. They came and

Listeners moving away He asked and was He felt strangely even more lonely to But they have no sonon said the

The woman looked puzzled 'Because

you happy? "too" Christian arswered and he wes telling the truth. His life was perfect, and he wouldn't change anything not even the sweet sadness of the backs of the Listen-

Christian was seven years old

mustache dared to wait in the underbrush fixel made the short man with glasses feel

mentable, and Christian's arms, through

were out here because you were a genius, creating new things with only

nature for your inspiration. Now vorice derivative. You'll have

to leave. "9 when the right ended and the other Listen-

This time his wait was rewarded. Chieswalked. The composer looked to be about

would just touch (and not break) a fallen Christian, said the short man with Christian turned sparted in all these To forbidden. Christian suid 'Here. The short man with glasses said

The short man germaced "Just take it Push the button and it plays Major Christian's eyes opened wide "But that it forbidden. I can't have my creativity pol-That would make me imitative and denvaoting that This is Beich's music."

"Its forbidden." Christian answered, for

There were footsteps, and words being

than took off toward the gate of the pre-Christian took the recorder and held it in

leaves it gleamed duly. 'Bach.' Christian said Then. Who the tell is Bach? But he digin't throw the recorder cown. who came to ask him what the short man

with glasses had stayed for "He stayed for

He wanted me to hear some other 'No." Christian said. "Doesn't he still

"He must have dicopped it in the woods" Ho said it was Bach "It's fortackier: That's all you need to

"Wiry well. We'll be looking for it too. It'll see you tomprow Chratian. And ned time

was the recorder that lay against the wall for nearly thirty years surrounded only by

What is his music? What is his music?

What is his music? Wondering Until dawn, when the storm

At first it agended strange, like noise.

The Watcher was blind and a dog led

corder?" the Watcher asked

"Recorder?" Christian asked then knew ware was mild and somewhill. Why didn't

Because suddenly there are no fugues you've stopped experimenting with new

"Not you've never tried to do that until now

I thought you dinabon.

ture for your inspiration. Now of course imposeble for you. You Il have to leave

trally understanding what life outside his

Not all music. There is music of a sort-Chestian that the common people the music and new music... those are forbidplay an instrument. You may not tap out a

The Weicher shock his head. The world

make more music. Christian, you will be Choston codided and when the Weigher table punishment for his intraction, but he bars, and he could not have them, and now

Once, Joe went to the pland

and lifted the lid and played every key on the niano. And when he had done that he out his heart ricken on

the aiena end aried. It was like ... losing his bar 9

older and he didn't smile of anyone. He became a delivery-high driver because

sent. He had no anger in him. He could live the state cross away with him

With a name like Joe. "Joe always said.

after all Joy's Ber and Gell was a furth

But Joe was a good bartender and the

place to come, and many people came

the old stays I would have probably ended up a lawyer too. And I never would have

One recht, however, a new man come in

noticed him because silence clung to the behind the bar The doughout deliverymen

leave. Joe turned off the piped-in music keys

1 mean same of those old-arre songs

mother saring that one to mar. Find began to ciny, in a life Signariah town that ciny a life signariah town the signariah

take this letter ou pains and make the down thing seg.

There registed at Chris cambridged, looking harried and attrail. But this time Joe know what would represely find to happen, and existed of wearing until other prosell cambridges and was a support of the proting the proteed of the popular music bit minties early. One looked up at this pleadning, John maunifesting—far were own and effect the list to the wegood and and effect the list to the wegood and and effect the list to the wegood and the pro-

artified. Other worked stillify, perhaps entictainty, to the sock and less. "Hey use one of the last five customers thoused, idealing early?" Job clint areview Just watched as Other began to play. No prefermances this time in a scales and watcherings over the leys. Just power and the pasho was placed as parties.

gers ignoring the strictures of the twelvetime scale played if seamed to Jos, in the cracks.

Note of the oustomers left until Chris

Note of the outdomers left until Chris
hished an hour and a half later. They all
g shared that final dank and went home.
Indeed that final dank and went home.
If the next right Chris come again, and the
next, and the next, who were the final fixed from being for the final fixed from being for the final fixed.

nest, and the nest, Whatever private balls had kept her leavy for the first fee days after his first leght of playing he had apparently went or leaf. Here of Joels business. What Joe canad about was the fact that when Chris played the plano, it slid things to him that much had never done,

things to finit that musc had never done, and he washed it.

The customers apparently wanted it too. Near closing time people begain showing up, apparently just to hear. Chris play, Joe begain starting the position state and teaching and he had to describing the feet her set feet to the feet of the set of t

dinner after the playing, because these were somery people if would have put him out of business. It wont on for two long, strange months. The delivery wan pulled up outside, and people stood leads for Chris to enter No-

il Just played And between songs the dreds of people in Joe's Bar and Gnill and drank. Ut the mentions was gone The laughand the chatter and the camanaders.

idea of gating ind of the peans, but the customers would have been angry at him He thought of asking Chrisinot to come any more. But he could not bring himself to speak to the strange selent man.

And so finely he did what he know he should have done, in the lists place. He called the Watchers in They came in the middle of a performance, a bland Watcher with a dog on a least, and an earliest Watcher with a dog on a least, and an earliest Watcher with a dog on a least, and an earliest Watcher who watked unsteadly holding on both most for ballied.

ne, pand and obsed the lot gently and Unis withdraw his fingers and looked at the closed lid ing "Oh Christian" said the man with the

to seeing-eye dog

"I'm sorry: Christian answered." I find
the not to

"Oh, Otheram, how can I bear doing to

Do 6.º Christian saud
Analse hie sam with no earn sook a laser
of hie him his soot pocket and our off Christian singles and humber and our off Christian singles and humber and the soot and set our but
and steel steel he wound own as if our but
and steel steel him wound own as if our but
and steel steel of he wound own as if our but
some blood spattered on Christians
to line the soot and the steel me meaningless
ill polinis and upolosis himbiles. Christian
steed and weeken out of Lees 8 flar and Grill

is and was forbidden to be a Maker Hebreke e he law a second time, and the law insists finish he be stopped from breaking down the system that makes all of you so heapy. The people understood if ginevict than a made from uncomfortable for a few hours. During they had manised harme to there exactly right homes and got back to fine is existly right gloss. He above correction.

had broken the law And II was the law that legit them all safe and happy been Joe Even Joe soon longer Chris and his music this knew he had done the right thing. He occlude higher so though, why man like Chris would have brokes the law in the first place or what law he would have broken. Then wasn't a like in the world have broken. Then wasn't a like in the world have broken. Then wasn't a like in the world have broken.

wash 1 designed to make people happy—and three went 1 sie who could their of that he was even mildly instressed in beging. We Once use went to the piano and lifted the fid and played every key on the piano. And when he had done that he puth is haad down as the puno and cred because he

And when he had done that he puth is had down on the pains and cred to because the know that when Chris light that pains, lost even his tingers so he could never play glatim—if well lost play he song his ber And If Joe ever lost his bar his life wouldn't be even to this bar his life wouldn't be even to the his bar his life wouldn't be even to the his bar his life wouldn't be.

As for Chis, someone else began coming to the bar driving the same doughnut delivery van and no one ever saw Chis again in that part of the world.



road cliw man who had seen Oktyhome! four omes in his home town. "Rock my soul in the bosom of Abna-

learned to ang when his family get logisther with gutars. "Lead: kincily light, amid the excepting gloom!" seng the read only man who be-

But the road crew man without hands who held the agree traffing the traffic to Stop or Go Story latered but never samp. Whyn I you never sing?" asked the man who liked fregers and Hammerstoin asked all of them, a new time or another.

strugged "Don't feet like singin" "had say when he said anything or all.
Why they call ham Sugar" a new guy chore selved. "He don't look sweet to the And the men who believed said. "The intake are CHI Like the sugar C S H, you know. And the new gry laughed A stuped.

easier on the road building crew.
Notified life was hashard. For finesementor, had been festod, and they were in the job that made them happeed. They book pride in the pean of southern and pulled muscles, and the road growing long and this behalf them was the most beautiful thing in the world. And so they song all day at their world. And so they song all day at their world, have not the life they credit on.

as yet about how you have by each his possibly be happene than they were the day. Existed Sugar Then Colletter come. A about Missocian who spokes with an account, Bustiermo told everyone with a account, Bustiermo told everyone with a about 11 may come from Sonoss but my heart belongs in Misro? And when anyone asked why faired other when to one asked anythings, bettle opplain. The an inhalm innorm in Misrocartibodis. But

he proved a by anging every note that Puccini and Word ever wrote. "Caruso was nothing, Guillemo baseted. Listen for that!"
Guillemo had records and the sing guillemo had records and an art of the note.

gong with peen so a week on ha road crose hed gon in with any mans song and harmonice with it or engine abbligation high above the melody is assuring fanor that book the road of this head and fill lid the clouds of can sing. "Guitermo would say and soon the other road-crow men allowed." Damn right, Guitermo' Sing it again?"

singer

What do you mean? Of course you came the unanimous singer

"Nonsensel" Guillerno cried, his voice theasteal if it an tiving great singer why do you never see me gang off to allood songs? Hey? Their is a great singer? Non-sensed Geach singers they make to be great singers. I myset amon who lowes to unit of the most self-ber man who lowes to unit on the road onew with ment like you arrat single.

Hod direct say is solly Ho said it beneatly hear is where I balong! I can are so you who like to hear mo angle to a minor is a goal and an armone with you when I lee! a formor is a goal and an amount is a goal and an evening of honoresty and owner and their explanation why it wisk he was nation of the more than a common of honoresty and owner has you in the read-cow and distributed he has you in the nead-cow and distributed he has you in the nead-cow and distributed he has you in the nead-cow and distributed here.

man there explained why it wisk he was happy on the road crow and didn't wish to be anywhere size Everyone that is, coast Sugar "Corns on Sugar Azent you happy heek". Sugar shiked I'm happy, Lilke it here.

Sugar smiled "Tim hoppy, Lilke II has This is good work for me. And I love to hear you ong! "Then why don't you ang with us?" Sugar shock he head. "I'm not a singer But Guillermo looked at tim knowingly."

Not a singer, his Not a singer Aman with our hands who relises to single sinct a man who is not a singer 1997. "What the held did that main?" Issked the or man who sing folk soops and "It means that this man you call Sugger has a found him a singed I look at her has a found him.

In the Interest and the Interest and Interes

law weent he?

Stop, Sugar said

"If you want "Gullermo and but the
others would not esspect Sugar's privacy
"Bell us, "hey sout
Sover half the norm."

Sugar left the north "Tell us." and Guillermo sold them That Sugar must have been a Majkar win to broke the law and was forbedden to make mose anymous. The very shought that a Maker even a lawbeaker—was working on the read case with them filled the min with axes. Makers were rate, and they were the most externed of men and woman.

"Because " Guillerino saud " ha must And when you break the law a second arms the power to break it is their brea to second arms been power to break it is their brea in shaken sway from you " Casiliem on poles secously and so to the road-crew men Sugar's story sourced as mayerica and territoria sea. They crowded into Sugar's score and sea. They crowded into Sugar's score and

Suger is it true? asked the man who loved Rogers and Hammerstein "Were you a Maker?" asked the rian who believed

"his Sugar said
But Sugar, the men who believed said,
Sud card mean for a man to stop making
music even if he broke the law
Sugar smilet." No one asked God
Smilet Carlistons Insale said. "Them

we're miles from any other humain beings from any use Sugar We seward on our mothor's grows, every one of us, that we finever let a rout. Why should we? You no one of us. But ang., during from a rough "I can't "Sugar seed. "It son't what God intended," seed the man who beleved. "Were all claim, what we love best, and here you are. Novy!

man who believed "Wires all cloing what we have best and here you are. loving muco and not oble to sing a rate. Sing for us! Sing with us! And only you and us and God will know!"

They all promised. They all pleaded.

Rogers and Hammorstein sang "Love Look Away," Sugar begin to hum As the man who beleased sang, "God of Our Fathers," Sugar cang softly elong And lieithe man who loved look songs sang, "Seing Look Seast Chanct," Sugar ported in with a strange, paping vioce, and all the man lieithed are: the early and wallonged

leaghed and observed and welcomed Sugars voice to the songs. Involvable Sugar began invention. First harmones of occuries sharinge harmones that made Subtemor from earth other, after a while, gan as the porcelor sensing as both the could what Sugar was doing for the mass. And other harmonies. Sugar began sing-

by my yeth macount with not were received in the mach from approve, the works emple and the machine machine produces present and the machine produces and the first the machine program of the mental conget that had never been intend of before that provide a many part of the tendent produces and the machine produces and the machine produces and the machine produces and the machine to be assigned to the produces and the machine to be assigned to the produces and the machine before the same who begins and the machine the same produces and the machine before the same produces and the same pro

Sulfy or angelly or gaily as they werked along the road.

Even Gustlerno learned the songs with this storag learned by the road has storag learned by the remaind for young which had value all bearn orthogo bearned is introducing uncount and the Gustlerno finally said to Sugar one day they Sugar your mouth bit in your or they Sugar your mouth the your or you had been not proud they you leave. If they supply the property of the said in my mouth? If they they way it teels in my mouth?

Borne of the scopp wore hyerrs. Keep me hungry Lord. Sugar samp, and the road cree sting title.

Some of the songs were love songs. Put your hands in someone elevis pookets? Sugar samp argnly. That your vaccion the monting. Sugar samp samp and the road cree winn them too.

Over the months, the read or changed, one man leaving on Widoles and a new man taking his place on Th day, as different skills were needed in ferent places. Bugain was strent when onewcomer armed until the man had gr

his word and the secret was sure to be kept.
What finally districted Sugar was the
fact that his songs were so unlargetable.
The men who left would sate the sonital with

men taught the songs in bars and on the road, people learned them quickly and heard the songs and knew, instantly who had first sung them. They were Christian Haroldsen's music, because in those melodies, simple as they were, the wind of note and-and the Watcher signed. He worked. And the blind Wetcher took is company car with a company driver up the road, and at the end of it, where the soul was just beginning to swistow a strip of widerness, he got out of the par and heard

smono Heart a capero voce sporo a sono that made even an eyeless man "Christian," the Watcher said, and the song stopped

"Christian, even after you lost your fingets? The other men didn't understand-all

"Watcher" said Guillamo. Welchet, he The Wetcher smeet wryly 'No one said

"Gon't take me from the road grow man." Guillermo asad 'It's the law that finds where necole will be happy But Christian Haroldsen broke

meant to hear Guilerno knew he had lost the battle self "Don't hur! ham, man I was meant to

he Watcher shook his head sadly. 'Be honest Quiterrio You're an honest man tou ve got everything you pould want in life.

Gullemo fred to argue, but he was hordies and contentment is the most feeting of

Just don't hurt him, please." Quilerno

walked to Christian, who stood passively Christian's throst Christian gasped 'No. Christian said, but the word only formed with his loss and tonque. No so and

Yes." the Watcher soul. The road crew watched salently as the Wetcher led Christian away They did not sing for days. But then Guillermo forgot his gnel one day and sand an eye from La

in the city the blind Watcher furnished Christian with a pad of paper and a penthe crease of his paim and wrote. What do

The blind Wetcher launhed. "Have we

Whethers They were secretus mon who supervised a system that needed little chines here and there it broke down. Here

the person himself, a Watcherhald to notice For many years the best of the Witchers was a man with no fingers, a man with no VOICE He would come streetly weatern the he needed-Authority And he would find

For there were still a few people-one or adjust to the system nor bear to have it.

Evertually when the gentle marrings ness and set them track into the system, and yet his music makes you and. All the went out Wetching The keys of power were plazed in the the system they had to presence. Were they sorrowh.i?

> ments when he dated to ask hinself that in somme he did his duty in sorrow he new old. And fastly the other Wetchers knew he had once sung magnificent

served your time, said the Watcher with no Christian raised an eyebrow as if to say found few doors closed to him. He wandefed where in his former leves he had once he had once known the loading entrance of every restaurant and poffee shop and woods where a house was faling apart in

and a poly made him realize that it was songs he mounted inside himself, more because he couldn't remember them than

As he set in a corleg shop in a nearby

on a hot summer day The teenagers were not musicians and certainly were not Makhappy, the song made gyaryone who heard

Christian wrose on the paid he always corned, and showed his question to the boys "Wree old that song come from?" "to a Sugar song," the leader of the group enswered. Tr's a song by Sugar

Sugar was a guy who worked on a road

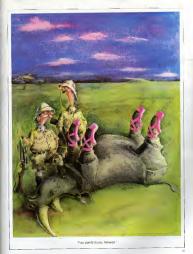
old man to go away): 'Aren't you happy? he boss were at a loss for an answer Sure 1 in hispay I've got a good job, a girl i

And another boy said. These songs aren't sad, mater. Sure, they make people Yesh," said another. "It's just that free were writen by a man who knows

what? He sist knows Just knows that's all " And then the leenagers turned back to trained vorces and Christian walked to the I am." Christian answered in the mostage. He turned and bowed just a little lowerd the singers. They didn't notice tem. but their voices were all the applause he needed. He left the overon and went our

self singing. But it was just the last of the

wind coasting madily through the wires over the street it was a tremped song, and Christian thought he had recognized his form, but lacking reather money nor time he Voice DO



MAGNIFICATIONS

Mysteries of the miniscule seen through the eye of a scanning electron microscope. Science fact looking like science fiction

BY SCOT MORRIS.

time and becomes a futuratio alaire, remisans-report cace, age with hashest become Derolepaque insurrocess, typ-ring page (close) like a replantant road map. This as the manishes word of David Scharl, whom lives called the Areal Advanced Limes space of and whose photos Advans trus described as "absolutely wonderful." Scharling peophole is the

CounterDokesp from below Mile on the mitch of a remain, from year of cases to be the mitch of a remain, from year of cases for height public of years and provided public of years and provided the state of the cases of the case

PHOTOGRAPHS BY DAVID SCHARE







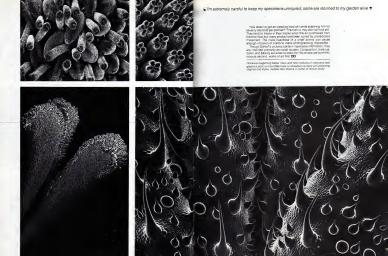














BY HAVEORD PEIRCE "Give me your fired, your onor "Russians? PAINTING BY EVELYN TAYLOR

Trapez that wair nothing serous, merely another the discos that evening after the votes had been crunted but a number on nevertheless to home authorities

"Mumaio 2871, Monsieur Goodman, Alexandre.

"Mornwy Gnodman Alexandre rumero 2871," oned no a ballot to the red faced nem-classed gentleman who stood below him dressed in bedraggled while linen some difficulty funch aboard the dear Again wachi was always so tipsy making). If wanna ballot in English, ya.

*Contrert, Monsteur? "I send I want tow the hell with it in your voter on englas, compresez?

"Mais, Morestuc on riest ass an Angleterre, on ast en "Non non, I mean our our je sees, je veux mon vote. noses of the officials, "an angles, per frances, vous An impatient murmur arose from those standing in

"Se se pamorando bien el veut qui on las donne un bullo-

Mass to repoles

"Mass non, c'est tu que noprie! Atlanda, on va voir yet are so loath to use. You are indeed a Franch oftion, "Course Larn, replied Mr. Goodman strudy." Ten years

"And you wish to cred a ballot paper on américain?"

'Mas diest impossible, porried out the major who "Mais con!" cried Mr. Goodman passionately. "In New

York they got Spanish ballot, in California they got Sparrish ballot espagnet savey? It's they night savez encegnol Taxa wan my notice that all Americant "Water expeloe de salsud" shouted the gendame

less tolerant of folly "Non receipt Mr Goodman, folding his aims with

"Vest fou," agreed the pendame A whale was blown fell, and presently Mr. Goodman's meri form was carried Nere notely ewalted in a sec sheet from which three years later his leaver would auccoud in getting him released for a probationary weekend

The two border-patrol agents of the Im-Going to lose that arm, Pacific?"

use knives. The doc says if II take a couple A nice deak job sounds pretty good to ng devices. "So what happened to those that shotgun started blasting

Padillo scowled outlandishly "Did you

Messy about Well pardon me all to hell your honor

'Okay Okay I've got it Probationary oth-

Only when I laugh gal only when I Well, hold on to your sides then. This is really going to treat you up. The six most against us mentions little things like assquit, bettery elected use of toron, upwarand there's about a dozen other charges

So it's our asses that swing, huh?"

Traine is Others if sure is It is the and amounced President Mar-

gause of race, color greed, or revolutionary

Ugh ' concurred intener Secretary Chief Rummo Gubloot first and last a presidential supporter. White man takem land belong Indian, mastice pas?" and re-Gentlemen plassis implored the Pres

rdare. "Gentlemen? Man?" cried Secretary of Enforcement of Women's Constitutionally Guaranteed Equality Elga Heliogabakia

Touchy touchy "multered Rafael laPine HEW potro voce to Ms. Heliogatiakis. Rejected another ball transplant, dear?

to say hut? Beast muttered Mr laPrine, turning for

€This is the most egalitarian

army eyer created it consists of 51 percent females. 47 percent males 1 percent transsexuals, 1 percent

transumetites 4 noment lesbians. 6 percent gavs. 7 percent criminals 9

WASP of President Martinez's Cabinel The end of the Republic? recessed The army, snapped President Mar

But surely intervicted Budget Director tribon dollars a year the entire armed

On the other hand ' portled out Ms Helogabalus II is an exceptionally well-"Extremely important," concurred

Overnding consideration even suggested Ahmed 81-Ali Figures Ms Becretary Happiersen?" "Certainly" she replied prougly "It is the most equitionary armed torne ever onefemales, 47 percent majes, 1 percent Muslim 4 percent leabilin, 6 percent gay 11 perpent beservial 14 perpent handengle and 100 percent unionized

'An' how many of clese burns is combat mady* inquired Rocky Knucks Kawoiski

some 27 000 battle-ready combat troops? Mr. Kawoiski nodded thoughtfully but

cartifude. His messive pay swung majestigally around to confront President Mar-President Martinez gaped. Why wher-

Charles "The Fighting Eskino" Ruben Me, an excludge at forty-two. And by a Major two hundred votes just-

pled sacket together straightened his col-

"But Make" enumpated Charle ponvote the mens-liberation vote and were

you a landshole margin of a matter of thirty or maybe even forty votes. Believe me Charles shook his head in ballied awe Forget? Forget what? The funcy farm? "The funcy farm?"

"Of course the turny form."
Moore: Listern to me: What are you sayung? Do you take me for some kind of a

from hore to the furry farm and....

NUT?

Saidthin

Loantify 967 votes from the Sorieenth
Ward, Sub-Division E. Polling Station Four
Separateur wress for Salau thate frontings

Seventeen votes for Sales three hundred \$15 votes for Rubersatein. The winner in the leventy seventh District is—
"You ya currenty New—"
Roling Station Four is the Juney farm?"

Woodbapper Stein Integrated for the Mercatory Security Resourced, said Moore smught That's R. Ctorie inheld slowly and profoundly his oyes glazed Suddenly he enhaled white a whooth He broke into a menacol gen "Maxie." He cred staggering Moore with a gheety I thump between the shoulder backs, low cent if Moving ten the unexpected that the country of the country of

for me. Pight, Misos is in I that right Mass(2). Whong Charle They alrude in their own precincts, where they live just like everyone etcs. I mean like the mertally retarded ruts in the furny farm is who has just elected you the distinguished origin.

The distinguished Judge could only spatter
"Ya sound like a motorboat," said Misse sounly. "Fa chrissisks, they been doing it down in LA since 76 or 78, somepin like hall sen fifteen years new."

They have?"
Sere they have they get the hospital statle to non vote-education plans, and the Leegue of Worten Velans comes in and conducts workedpops and they good pudges and strends to early that this one sectifies moderately or middly consistent in some deemed able to form, thys see what I make it as not opened able to form, thys see what I make it as government.

Judge's breestbone painfully. An 'that's all it takes."

But this is logal? Not like getting out the graveyard vote?"

"Or course it's legal. An I they got their

own constitutional rights just like you and me and all the test of the distinguished volers of the gleat distinct? The Jodge fell into deep and somber thought. At less the uithread uncentainty hash I suppose now that I therk of it, they are or unber than anyone else that voleig these days." Charles a tone of visce old not carry about to manyone the first old not carry about to manyone the first old not carry about to manyone the first and the carry about to manyone the first and the carry about to many the defendance of the carry and the defendance of the carry and the carry about to the defendance of the defendance of the defendance of the defendance of defendance of defendance of defendance of defendance defendance

his bosom for some minutes now "But Masse dosent that mean... like these resided guys couldn't fley, you know have voted for the other guy?" "For chreatile." Snarled Misso.

"For christable Charte," snarted Micro,
valor etce would be during enough to vote
of a lot a schmuck like you? Now straighter ya
to here corres the TV cemess."

Enough? should the party secretary.

balkuliji "Bou wil support me on this measure or — "Sou will have us shot. Dentin Andisywood?" smilead the director of same sounty. "No comade, I think I speak on behalf of the enals Politous when I say that your hatee labors in aid of the glancus y poodes of the Sovet Union have earned y poodes of the Sovet Union have earned

behalf of the emise Politicus when Fory that your hates labers an aid of the glaticus peoples of the Sover Union have earned gold that to notify ownering interment from the cases of the arts-meshalls struggle in the quart caller of your befored their on the closars and or the Uni Mountains.

The minister of consumer planning was suave, eager to expunge memones of the triffing matter

of 54 million left shoes produced throughout the Soviet Union, excluding any right

by Sommator been other the former party

an outerfolding cary one roamed bischwood during a during depth in the mackless evergreen forests to the exist of Like Bayes, the lori argumentation cleaned has throat authoritatives. Actually, commades a certain or some

Accounty commission is offician or sometime persons project might will be construed to constant certain elements of interest. Let us be blast, he snapped sensing? The Several Union has not been so poorly off in relation to the ment of the world some the years before the Great Patrions War.

"Consider: The European Common Mar-

Authorized the single main powerful accomises from infleworth Opi Wissaw Pastciales are being down inscribing in acconition of the single main powerful accomises any being down inscribing in a control Cur elastern flave in histolician divisate of the Shirk-Negoriems consprincy. Our policy in black Africa is a shamples good wild affect and is powerful on a betomines obspaced. The Antice have spaced-end that or all and are bearlyon the Masken in rederinate have opcolared hely war against the Scoresinate infest is million of our agents and comrades to slaughtered in a diszen countries. Yearly Paylovich pounded the table. And finally, the United Stones surrounds us with submanners, with cruses massies.

with later almost trainer list brush with later almost trainer list brush decoy it is morally decoy it is will be served or dropken to array or and or a many reasonable it is a clearly in the last dogs of degenerately size. If a thrumpool comparison of the properties of the properties of the comparison of the properties of the Soviet Month on II won thereby years ago. There is submit that the served of officy years of struggle have been to no axel and that we smokened.

That goal-belouled Nesolusch Sk? and the minister of agriculture increducially

"Ah: saddiss messer of consumer planing sweek, eaper to exposite remones of a triling meter recently discussed, of sorms 64 million left shows produced the plant of the second state of the exposured two, deer from Mehradowch By adopting and implementing Resolution Stuwalt have no extrally to lose?" "And of figure importance concludes the career's date section, decaying

"Fifteen years ago," stad O'Hara, still attrached to his plambing." I got called to tastify is Ornole, the one that pulled the plag on the border patrol and let every gresser south of the border into the country.

id onto the prayroll as easy as loss my Insh is "fou weng? In Orinda?" manvoled Padillo.

decembrate

Sure set Door is a sweep through to set of the set of

"Last on peetsy thick I hear prompted Pacifile O'Hars encited With a trovel pail O'Hars encited With a trovel pail What right say he by what right does this uniformed and brutal Geistigo seas and hamitals thesis per encount floriest hand working imprems? Possible, it isn't present they crossed the border univolvingly certainly not many sharkstrally being fearon. Does this drivy them he right to their fearnies, their drivy them he right to their fearnies, their glint but had been stack, by adobtooded authority" O'Hars lies.

bleke officers is doing is asking these guys who are planty flegal is if they have

"figah so ofter a bit more of this the body on God a green earth except maybe outside this pourt's subsciction has any happen to look like Movicens and not like state of California or even in these here

clinquis (Joseph States to look him Moso-

cars a little light background music.

Cape Proce of Welas, the western to of the continental United States, the six men and and Lost River a few miles to the south, the

hauf to the capital of the North Slope of ad hazards of overland travel within the

"Yup, and that was O Hera himself in the

The Judge strikes the whole thing off the

See here I am up on the stand and this leaver is going at the pretty good, on all that and trially he says. So let me ask won't Officer to make these outrapeous

telling this up, and gate ready for his next So just as he gots his vap open again

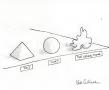
and this Beverly Hela shyster is so sureven the Mexes like they rejust seeing me "And I much behind me and pull out me

credit card holders and photo holders, you

"Well Courseto" I says. I'm ust a poor the Mexes and right here I've got these two pieces of paper and the first one. Selective Service System Registration Cerafcare) it says. The law requires you to

session at all times for identification and to notify your local board of any chance of Now by the time the shyster is sumping

pounding his gavel and I'm ignoring the seems to me. Counselor that if a native-



around by law, and if he don't the federal are about two hundred yards from the Mov-

"By now the judge has broken his gavel he's banging so herd, and he's veltro. sort of pop-eved and muttering. Obsection.

documented workers and start working

So that is what happened. Padillo. Noth-"Send them back?" exclaimed the lore-

man Tusten Balley you by to send them

up old dodo, and they also happen to be

free-day waiting let already in the training gasped the production

old ladies been running things doesn't "But they could be spess," said Balley Spens! All you have to do is-en shake spec Hell man, you never saw such a

MacKenue leaned forward and wrived see Next time you come by these tubes I

"Wall what about those trailers where are breaking their contracts and agramming out of the heli-hole every week?

knownely 'For chossakes Mr Balley they

regularity should be reported to the government, huh? All this talk about how "Chay play! But what about these su

these curs are roughnecks themselves. speek English, a little furny sure, but still You're suggesting If tell you one thing Boss you won't have to pay them no union wapes or union benefits. They I work anuation for any thing suit so long as it ain't Siberia where

So screw the urson," said MacKenaer conservely. "We're gettin is bonus based hitch without gettin any of that borus "Nex I take your point" Running his hands through his frinning har Bailey

here? A Inition miles from nowhere Eskimo willage to help them chow whale

"Humph" Barley stood up. "All night began to bundle firmed up he acted Did you say three-day watno list?

eight years ago; am linght? Wall does a bear poop in the woods for ngit?

member? I said What's new? you fre reason we only got forty militor

be out and I'll be outsided. So what a What's taw? Jasse 18 tell you what a

For otrospice were at war? No? Well-

Her Durblint I easily for the INS on

instead of maybe one hundred million is

they can now also vote here, even though "Why dio you think I stopped voting? Why from this state alone six of which cent speak English, but that don't matter no

> braceros are up to over on The HII Yeah II remember all note Pacific But less I said loopacks?" echoed O'Hara blankly Did you say-? O'Hara stopped as

"What I'm looking forward to" said of triflors of Hispanic-Americans is gonna

But where for christake? It don't make

Baring Sea, KS just like the Rio Grande They're wading across on ground-effect

socked czar gave it away illegally to the

And get this: O Hata every one of these ging companies and the mining comthe broads are young and beautiful and

they re trying to find work as housemeds cores then it am t an investor no more, is

O'Hara shook his head numbly "Well how many are there? Padflo strugged "Maybe a thousand You noticed many border patrols up in

Padilio anned broadly 'Well now Agent

teps on the other's shouldet. That lends

"It's election time already?" wailed Judge Charle The Fighting Eskimo Rubanstein. Usez it seems like only yesterday we were counting up the retard vote.

We're gorna have to be doing more than rust counting the taid vote, said Maxiehel's a girmox that only works once vote for anyone

Maxe? tof we a pounte water ann A lots people The Judge lowered his ample chins

tap on the chamber door and the court

Sure sure be night there! Judge

"Yeah. I know what you mean. Movie, but there. That Russian ioeback case

"loeback pase?"

"Sugn. The feets are asked for a gourt place. That is what they're askupp for at any

nate but I there they'd settle for past the right Well I should hope got!" evaluated Mode "You let them bastards 'round up

Well one More I know they re swiuty useful and all that but there's an awful fot of them around now you know like maybe a

"Two hundred thousand"?" echoed Maos

-and they say there's an early let of these big Russians carrying gurs. you

know, not like humang rif-"Charle boy" said Move, eyes peening

Why do you think

we got 27 Mexican congressmen from this state alone six of whom can't speak English?

It's so President Martinez don't have to get out

his dictionary.

duties of sudges negretations immorante?

Look. Commissioner I don't care whether you think! been drinking or got. I'm telling vs there's fifty thousand Bussinits t become you deay no nits a property

Well where do ya mark they're gonne at except in the street? Sure the traffic's sammed up from the Civic Center to the

New they're peaceful all right, singin on femme look. Yeah they're all about how California and San Francisco useta man Hiff Hold it a minute oh it's himself the Masor I mitalions to now is 82 Hold st. Mr.

Yesh listen Til repeat it

Just beware Mr Mayor

Be unlain no more meyor

Tir ves Inspector Before I or call the National Guard, how many did you say

over a sce-block area And they all seem of er young age? Of was sir all of voting age Time Time Tellime Inspector Houthan

do you think that Russians can let yole. "Gee, sr." said Houlthan in what he hoped was a spotters tone. "I think these

sains but I guess you'd have to ask the city attomey about the "Has arryone noticed" inquired the chief

operation officer of the wainuncemeted deed, the ertire North Stope helds and Alaskan papeline are now for all practical purposes being married and maintened by some twenty thousand Russian work-

Hut/? said the chairman of the board, a retired general straight from the Joint Wall reely, frowned the president of Traile (1) wandering how soon he could de-"You don't think it might be possible to www.such a situation as a kinfeblade held

The channan paped blankly while the

Well, leaving at these emotors/-type president for public relations. What's the

the VP for accounting internal, confiden

Up 32 parcent on gross, 47 percent on "There's your bottom line, gentlemen." "Does that mean a bigger dividend?" in quared the charmon with that charmon nawaré which had caused his election to

the boards of forty-seven major industrial Well that's good, ign't 47" beamed the

"Yaknow Charle," mused Mace. "I been thinlen. Thinkin' about you bein president Charle

President? canned the supply secretor from Alaska: Charles The Fighting Eskimo "So why no?" asked Maoo reasonably

ugacy of maybe a milton Russkie Ameti-

Look, we already got some fifty waty mil-

So the next step, and its only logical hem other undocumented probationary

My plan Wadene Vasiyevich Growled

Please, comrades "interceded the gers is pending already.-

far of hydroelectric power who had al-

wating for has arrived! The orders have the pipeline will be sezed at noon the the West Coast will rea in sympatry and captakam they shall appeal for fratemal and trategoal Red Astrophal - He want on

'Joez ' whispered Méhai Nikolayeynch

And that new washing machine I-

Sergeyevich glumby My bonus trip to Hawari mouned Ka

cluttering it up? complained Alexsey

The Benna Sea is sust like the

a little wider and a little colder. across it on ground-effect machines and

ennumnhilps skips and trucks. 9

monethed Mr Kowalaki. "What's da prob lem now Sefor Jelly-Belly? signs ready to revolt all over the Northwest

against a well. President Martinez broke Kowajski. 'No Russkoff is sticking Mrs. Koweisis x little box up against no wall. Do deep into the guivening breast of Defense

What army?" warled President Man-"On yearh data right I forgot. Mr. Koweisk needed somberly. What army?

Estaban Guerrero "With one dissenting

Comrades! It sust came over the racio!

Knock it off ve tuckin broads ad

Mr President! Mr President! cond an aide as he burst into the emergency see

man. Texas has seceded from Monco? Pentagon -

They so what? I seem to have maun-

ing station west of the Rockes. The best Provident Martiney looked presynthly at

"You do? How strange mused Press deal Martinez. But why would private

Beens me or replied the aide "But I





VISIONS OF THE COSMOS

An exclusive gallery of Soviet space art offers revealing glimpses of Russian fact and fantasy BY F.C. DURANT III

omonauta Remanerko and Grechko oatmod a special cargo with them nic calestals orbit. About 500yz. XXVIVI were two pearings by Rusea's thomat space array. Amore Solidon the pearings were pouches on confoling cardouard, measured 47 confirmations by 30 confirmations. Amore septim 170 grame seek. They were transferred this noticing space liaboratory Salyx, there to become the fact dealing an exclusion in makery.

The cosmic art of Andre Solotov beginning circlivine from below. An early parenting entitled Soft Landing on the Moon Shutrles to Space Station in Orbit Linear State Transfer of Cosmonaus between Soviat chaffs, Landhold Spulmiki.

PAINTINGS BY ANDREI SOKOLOV













seasons from many provides by the other seasons professional file to should plot the Amittee Science has depleted the professional life to should be concepted for common life and now manifester since than 150 and the concepted for common life and now manifester since than 150 professional meloculous. He industrials continuously spaces activities of the USSRI and US, as well as fauther concurrent with planets of fiscell adults systems. Socious in the proposally over society at buffy and powmanifester societies.









and latter embryonish state which solicities in fidelited in the set Ballation was been recognized by personal proprior in Moscoher latter than a conduction or agricultural coulding the Moscountries. The Proprior is set to the set of the













able to loop objected of attrances in space fechnology. In 1975, the Soviet space a crist morried from El Luprowa. Today, they and work in an oritizative install appartisation of country inflational space. Several years ago, the Sowiet Aristis Union sponsored a souring celebrat of US grade and throughput Aligouis in exchange a Soviet sponsor exchange of the Company of the Soviet Several Space Mesonem in 1976 in that all a residual series of which they Soviet Several series of the Soviet Space Mesonem in 1976 in that all series is well as the Soviet Space.

The US for 18 months Both enterts inner donated works to the National As and Space Museum CCI

Mack of Sciences and test inner donated works to the National As and Space Museum CCI

Mack of Sciences are has never been published in the US convencionaries are selected and active Source Research and a Space Source Sour

Approximent of Samuel Aprillo Soyue Periodocus in Orbit. Listench of Boyue XXVIII Enterror the Atmosphere of Mars. early virtuge communications satellite. Molneys XV.

Sokolov describes the immensity of the cosmos as "swesomely unknowable" ●

NO FUTURE

He could travel through time, but he could never return to the place where he started

BY JOE HALDEMAN

To roll allay to keep saiding one eighth rock of board on your face. For a write, though, it is good protection of contract, with a sour and is; you sold, board with a roll and is; you sold board. With contract and dischess from clarific, you fork like a down-air-cut arrange, it depends on the class of picular you world to less to, study. These is the curry cutif when I mid this contract and the contract and th

whether the web for each took. The contraction is the contraction described to a few and the contraction described to a few and the contraction of the properties of the contraction of the contraction of the properties of the contraction of the contraction of the properties of the contraction of the contracti

like apply bathos, but turned her down

little more neatly than I, in teded work

"Pretty oliver" he said. "When my chieck

'Used lookeng who caree?' He appurised On how I shought a fortune-teller Mesht.

He thinged at them and stand at my face. Year, I could tell by the eyes " he

"No. Used to be a teacher. Which was

boats twenty years. When he picked up shake of a contimed alky "If was good tape recorder. "What was 4 made you slope

"No. Who drank in the eighties?" I didn t

'Should be I know -- you're a writer' When I get wark with How pould you

Gaddis it used to be I detect a note of reproof. As if no med-

co ever...Well no I was an academic

on grounds of mental instability with my

6"Don't they teach you anything about relativity? If you get up from the bar, go to the

john, and return in a

But it's still here. You're on the same track that's at ".

Strong He starred into his direk and swried (Laround Theyer know how to start

All right I im hot from them

dank down. Was I'm sony Go on You're right but go on You clos't set

He set the dook down "Lawman's error

That usually takes some explaining

"Many " He smiled and took a sip. "I'm a

"And the lutures where the glass wasn't

"Doesn't it get sort of growded up there?"

"How the hell should I know? I'm sust a none Temporal uncertainty principle. Con-

He shrugged "Something work wrong

tripped over a cable. Happens "How could they? These are lots of fu-

"So you can full your own grandfather: I

"Why would I want to do that? He's a next No I mean there's no paradox in

He bisered at me. "Don't they teach you back in a couple of minutes, the bar's But I'm taking about time, and you re-

Inform about space what his con was. Maybe do a one-pager

Couple of centuries of medicate he

Looked like I was going to have to push

Who knows? They pan't come back to

Couldn't they build their own time ma

Somebody came into the bar I waited until the door eased shut muting the traffic

"I think I see whet a commo." Not a bad

Yeah The Soviet-American Orbital Wall lutter satellites

That's it? No soam?

typowriter. Well I gotta run Thanka for this

would swollow that kind of built in 1924 DO



GALATEA GALANTE

He created the Perfect Woman with one little flaw designed into her BY ALERED RESTER

the dermer on in the nostalgic 2100s, but really lon youth vintage (orca 1960) English motoring cap with the peak leveled on a line with his brows, masking the light of lunary in his

Dead on a siab, he might be called distinguished, even handdemented dedication one could stometh. He was shouldened his way through the provided asses of

He will carrying a mini sound-carriers that looked like a crowling spayring, globering monstreams softstand in the commerciary His voice was designed for remarks were not "Ah. yes. the Mellahra besslek, so the sign assures us. Black and yellow bod of a sergent Locks like a Gla-moreter head blindfold its eyes. Conveys the convection that its plance will left "And the Hyades hydra. Like yow Nine heads, its per mymod." tradition. Looks like a convented puens. The Meyean arrain That geamstress has across to every deep strake and irrect in agms that -- but her antiching shows to any eye Caroous cerberus. Three dog heads. Look like oversized

Chihushuss Mashif bod Rattlesnake tail Ring of rattlers around

the wast. Authoritic but clumpy That Telas women ought to know

the Right online Te-dash! Do him justice it's classic Eagle heat

authertic dispon's feet teach Look like recognised sharps a London Screening and Way Dut Dull Dallswile Just an cetech with carnel less, and star "Ah. Isal I call that poster over the Sinus spring british theat

antique the notific and to one how they starred but no. They get it to yount those flames? Some sort of catalytic gimmick in th showcase are a lovely touch Daren good theater Again, of problem. They probably drained both and substituted a neutral surrogate. The Greek looks happy enough in fact, damn smu-



complete with grafted narwhal task but not with the viran who captured it ivrain only coms. legend saith. Ethought narwhels were extinct. They may have bought the tusk She- But clamn my eyes she's no manufactured freak! That a Sandra, My Sime! I

correction was that it was a demned in-He best and clawed at the supple wells which gave but did not break. He cast darted to the chaners exhibit gratibed a Siren: Sandy get the hell out. What were

Where's your husband?" For God's sake? He pulled of this cap. revesting cele, streaky har. Here, cover

elevation against my back. No. I am not prucket: I samply will not have my beautiful creation on public dis-

They halted Now look, missey you con 5 are not relief meser. My denne w Dominie which means master professor I an addressed as Domine Domine Man-Immediately Here and now Soforti Im-

Tell him that Domenie Regis Manweight he'd better by God! Now be off with you Solt Cut. Monwright glared around at the entirelled spectators. You turkeys get lost As the crosed shuffled back from Man highly unlikely twentieth-gentury evening dress stepped forward. If see you under-

the opera cape off his shoulders and of

Then why haven't you called?

What have we hear? Actions usuous fered it to Sandra "You must be cold, madame, Max 5 "Thank you." Manuscots provided "Put a on Sandy Cover yourself. And thank the

> "I don't give a damn whether you're cold or not Cover yourself I won't have you

"Women" Managed anumbled "This is over them. You use all your expertse to boxal Women! A race apart! And where

At your service Dominia, the guntle-

So statry Domenee The costume is tearl-

 He beat and clawed at the supple walls, which gave but did not break He cast around wildly for anything destructive, then ...

grapped a fire extinguisher and dashed back to the Siren.9

the public expects it of the ringmedian' Hmohl What's your name? I'm like to

know the name of the man I skin alway But with a Q U E

Corpus? Cor-kew-ex? Manwright's he related to Charles Russell Corque, Syrfhank you. Dominie: Lare Charles Russell Corque professor of extraterrestral

"In that preposterous costume?

was going to make that damned tedious Red I brought my carous to Terra hoping

"Setting up a circus show takes time.

You? The celebrated Corque? The science has ever known? Revered by all show? Incredible. Consue! Unbelievable!" "But undensandable Manwright Have

that farease: Jupter III methophyte for inliuffe. Divou know what an outco nells I know and there are discovery rights

Dominie By contract the royalties on to scured-laters they are spent on such studies as Remedial Table Tennis De-Manwright shook his head in exaspera-

no wonder. It's an outrage that you should Gammede methophyte When will you

staying on Tema? What? That fleapae?" Thave to economize for my research." Well you can economize by movino in with me. It was t case you a cent. I ve got

plenty of room, and I II gut you up for the dusings, with pleasure I've generated a Titletik Ewill be the otherway around my

'Don't argue! Just pack up, get the hell out of the Boreaks and-What Sandy?

"Whore? "On, was I see the rat line. What now Manwoots?

straint on me, or he'll become her late huselegant in flesh-polored SkinAil-with chest arms and legis artistly paidded to macho dimensions as was the or nameted oddereor. Marmeght paging duty companies angely as though groping for the fining pin of a ginnade He was so interf, on the encounter that Corese was able to high the cylinder out of this hands as the espiciane approached, surveyed them and at last spoke.

"Jessamy!" Manweght turned the into a decision. "Sandar

Sandra And our impressing Good evening Mr Jessamir

"Manweight I have a bone to pick with you" "fou? Pick? A bane? With me? Why you damned plettip putting your own wife, my

show? He turned angrity on Hotestor Corque Yand you bought her eh?" "Not guilty Domres I can't supervise everything. The Freak Foreman made the purchase."

Justianny Whol how much did you get for her? "That is not germane"

That late? Why you padded procure? Why? God knows you don't need the money

Only
"Or Manweight--"Dash you Doctor me It's
"Downse.--

You sold me a lamon."
'What'
'You heard me You sold.
'How date you!

Ladret I m a ylloceire
"Admit i?" You troadcast it
"But reverticess I resent a no off
"Right likelithe man Contrestmentme (III
kill? Look you damed metry macho you

exuld fewe to lash nimbell 10 the max to neast a la Ulysses. Well? Didn't you? "Yes, I did." "Yes, you skid. And did I or did I not gen wrate a bacdised missole of beauty en-

ende a bedroed missole of beauty enchantment and mythological authoriticity, guesnifeed or your money back? "Nes you did." "And one week after dalwery I discover my Pearl of Penfection sold to the distin-

on a beare showcase. My beauthil face and neck! My beauthil back and bullooks! My beauthil breaker! My beauthil most versua! My ...

version My— That's what she wanted Did you Sandy?

"Shame on you girl I know you re vain that was a gloch in my programming—but you don't have to flaurif it You're a claimed exhibitionist. Back to Jessamy. But that

doesn't excuse your selling her Why, did you do it dament? Why? "She was tearing my sheets."

Their beautiful enchanting Pearl of Perfection was starring my monogrammed bills sheets, were not sneedfeld cost by smandamaged nums. She was likeling them with heir mythologically authorities feet. Look at them. There was no need to look. It was undenables that the beautiful, enchanting Semnables that the beautiful, enchanting Sem.

There was no need to look it was sindlemable that the boastful enchanting Sienves feathered from the kneed down and aid dolcole phosent feet. 50? Manuaght demanded impaliently She was also scratching my privites Damm wor! Manuaght burst out. "You

seed for a Seen You pe conveid a Seen "With bird feet?" Of course with bird for

Of course with bird feet Sears are part bird Haven1 you read your Buttnoh? Arelode? Sir Thomas Browne? Mader of feet

youre lacky Sandy dan't sun out bird from the wast down. Ha! "Very furity. Jessamy muttered But it wasn't fluck. Manwight want on No. 6 was nature. My hardford nemus for

creative genesis and my deep understanding of the second appeales.

"Ont be impudent girl, I have second appeales too but which I guinartise a vigin I — No mather Take her home alesemy Dontague, or II NI Typu II nanfind

somy Don't argue or II I Milyou. If coat indither, dermed beass alling II Shoop(i) I had. Take Sandal, hotte. II i refund Professor. Coopie, in III I Gel to export the brilliant research. Sanda, vim your talone. For Golde. Sald Sanda and sensibility gel? Coopie. 90 packup and move in with me. Here a my coat with the address. What the deed are you doing with that soly-bolving line estimgation?

Soly late year of which is hardered story or seamming cultury by metric before a hymen or otherwess and pascing parts to hymen or otherwess and pascing parts to gether like you see with those store-box monitors in your caucus No. I macrograms one on pure and whelie or of the basic DNA bestin. Mine are all best ricco bottless DNA bestin bestin and bestin bestin and words space like any other stream! — Fasconding my deer Rag and quale

"Mr/ The RNA messenger sensors is "Gascily Now we all know that DNA is file reservor—" "Nif? We all know? Ha! Not obcordy is Some time IT allow you the abuse I get the Somptive freaks."

your RNA process

the Scripture hears."
And we know that RNA is the messes service delivering commands to the decoing tissues."
"Right on Charles That's where the

mous company to online blockbory which was softly giftering with "ulty-related plassywere and legach ("by balase must be explared from light and noise") and only of the main floor of the house it was door, read in the Dominia of demented style is hotgepodge of Pregency classes: Check Anatan and Renassealmos There was ever-

How do you direct the RNA to deliver speofic commands from DNA to embryo? And

"Come up to the perthouse 19 show

"Hoping we lifted in "Menwright laughed cross between prantia and golden carp

A cross between prantia and golden corp One of my foliase. That is a time second floor twenty live

by a hundred. Manweight is library and gudy four walls shelved and commend with tapes publications and software is rolling ladder learning against stach wall is gigatine, cappetter's workbench contecuaed as a deel- and pieled with clubber. Thrift floor divided between divinig room

sarvarts quarters (rear overboking garderi). Fourth floor arroying maximum sky and air badrooms. Their were four such with this own dressing room and bash all risher sewere and monastic. Manwright regarded

be endured but which should never be tamed into a luxury. We all got enough steep during our nine months in the words. He had growfed to Corque. "and well got most than well ever need other we die But I'm working on in-

in tassues just dont want to play ball." He led the professor up a narrow star to the perihouse.

It was a clear plastic dome. Immly sochosed against word and weather. In the content shoot a glemmering Public Goldberg, Health Robinson. Do. Whos insechances

handyman to put intogether again. Conquistance of the gatimatify and than at Mar wright.

"Neutrinoscope" the Dominie usolariac through earappotation of the electron more taxon."

SCOOP "What? Neutrinos? The beta decay pro 1985" Manwight nodded "Combined with

rweight nodded "Combined with non liget particular particle enlacts way and leceleration up to sen Mic tons the crux. Charles Each genet tule in the RNA coll has a specirege to a specific particle bombas

ar indicate in the RNA coll has a specific exponen to a specific particle bombard ment. That way five boon able to identify and isolate somewhere in the might be and isolate somewhere in the might be

But but - My clear Reg. this is programly Minwright nocided again. Un-hub Took What? Manwright sported in disqual

You're into it Rea

But Rea-But me no buts professor By heaven, if Christ in whom I've never believed ever

would break loose if I published I'd be

followed by a skewed functional body

Matth-Ire Yes Igor? Should I threat you a brain today

mable-ter? Thank you ligor Not today Then begingstill its therwood matrit-Thank you lgor This is our distan-

quished quest the celebrated Professor fortable and obey him in averything bested Profettion Chertiff Corpus Should I

for bobbed his head turned drapobject rapidly falling downstains. Corque 9

"Good God Charles! No way Never I

igor's an ideal housekeeper. He does have of the original model—and I have to look lightning but he cooks like an absolute I hadn't known that Baron Frankenstein's henchman was a chief

"To be quite honest. Charles, he wasn't That was an error in programming-I do obtain now and then -- with a happy end no

The card came in on the same trey with skoed onions, parsley basil Gruyère, bake

What's this, loor? Anthony Wilera Charman Vortex Syndicate: 69 Old Sap. In the warting room, manth-ter "By God, Charles a potential chart, Now you may have your change to watch my

Oh, have a heart Reg. Let the charmen wild ligor's monster looks delicious Thank you thelebrated Profethor No. no. loar The thanks go from me to

Pics both of you." Manwoods constant eves to heaven, onabbed a sine of tant. One would expect the chairman of a syndicate with a severagen-figure CB tale.

silver including ribboned peruse. He was very much au courant, for as Corous entered he smiled bowed and murmured What a happy surprise. Professor Corque. Delighted I had the pleasure of hearing

The wants an ideal executive secretary. Manismore refused to weste time on cour-

smed 1, also, am criminally solvent 'Good. I hate doing business with com-

Of course Physical appearance? You don't take notes?

Blue eyes Clear skin Stender hands Mrrm Got any particular example of the type in mind? Yes Bothcellis Birth of Western

What one would expect of a secretary stering fathful devoted to my work of To your work of course

"Dyou mean clever or neeligent? No Cleverness requires furner intelli-

skill necessary for my work. She must be perceptive and understand the stresses

one constant battle So far you cruid here such a cut." Manwright objected. "Why come to me?" "I haven't finished. Dominie She must have no pragate life and be writing to drap

Available for what? minute parties client entertainment and

been charmed into dubious deals by a You've left out an important point. On what salary will are be arcluding? Oh. I'll provide the money for the ward-

phone number to look like Attilg the Hun robe, the maguilage and so forth. She Anthony Valera looked and dressed like a must provide the taste, the charm this will But grily when I want her to talk. Other-

> Corque whistied softly "But you're debut Dominie Manwright is celebrated for his "You mamed?" Manwright shot Tive trees

Then you're a chaser And earnly binded "Really you're entraordinarily blunt A chaser? Well intis say that I m attracted

"Would you want your associative secredeste il would want a bezutiful response

Not at all Charles not at all. Marranght soothed. Mr Vallera is merely describing

what all men doors in a worran on Astall Endowed with soft grace. Soft voice passa, the beautiful ferrore patents who



Pencles of ancient Greace. Its weeful fartiesy bull my business is turning fantasy into naifty, and I welcome the challenge. This gail may be ney magrium opus. "Again he fired a shot at Velera. "And you'll become very botted."

What?
Within six months this addicated alone will bore yo

"But how? Why?"
Because you've left out the crux of a kept woman's hold over a man. Don't protest. We know damn well you're ordering a metress, and I make no moral sudgment, but you've forpotten the drop of

Dominie I do protest I—
Just lesten You're contracting for an enchariting multiplus, and it a my obt to make

Just listen. You're contracting for an enchanting mistess, and it is my job to make sure that she remains enchanting, sharps. Now there are many sweet confections that source is drop of acid to bring out the full

Now there are many sweet conferequire a drop of abod to bring of flavor and keep them anpysible pass will need a drop of abof to reason. Otherwest her percets

pasa will need a drop of acid for the same asson. Otherwise, her pospesual petteron will cloy you in a matter of incertris. You know. Valera said slowly that's nother salute. Domine What would you ad-

vise? I'm all amorpation?
The acid in any woman who can hold a man. The unexpected, the quality that

makes it impossible to live with them or without them." "Wild wissi would that be in my my secretary?

secretary?

"Now the devil can litel you?" Manweight shoulded. "If you knew in advance it wouldn't be unexpected and anyway? worll know I can't guarantee surprise and advantasis with a women. All I can do is

of your perfect Aspises, and the discover of that link will be the chairing drop of acid. Understood?

"Nu make it sound like a namble.

"fournake it sound like a gamble." The triational is always a gamble. After a pause Ween and "Then you re challenging me. Domme?"

challenging me. Lorimie?
We re-both being challenged. You want the ideal metress created to your specis.
Tive got to meet them to your correlate.

reinfaction."
And your own Reg? Corque munmured.
"Dertarrly my own I'm a professional. The job in the boss. Will. Villeral? Agreed?

"Splinds I'll need your Persons Profile on the syndicate "Cut of the question Domnet Persons on the syndicate "Cut of the question Domnet Persons on the syndicate "Cut of the question Domnet Persons on the syndicate "Cut of the question Domnet Persons on the syndicate "Cut of the question Domnet Persons on the syndicate "Cut of the question Domnet Persons on the syndicate of th

"Out of the question Domine! Personal Profess are three bases of New carn lask Varies to make an ecception?" "Damin at carn't you understand? Manyear has infused by this intranspersor but materials and must be presented."

sed by this mirror signed on miself and tried to speak dear children in shepring this Aspasia for your re will be the cynosiae of it make sure that she the performance of the service of the performance of the service the service of the service the s

free and drawn to you alone."
"Surely not all Domine I have no delusons of participion."
"Then perhaps to your defects, and that will be your charmeno drop of acad. Come

e back in twenty-one weaks."

Why henry-one specifically?
Shall be of age. My biodroids average.

Just a week of general for overy physical
weer of the creation's maturity. One week for

dog, twenty one weeks for an Aspassa lood day Mr Velens After the chairman had left Manweight ocked an eye at Corque and ginned

or copses an eye at concer and grinned.

"This is going to be a magnificent experient of ment. Charles I ve never generated a truly conferenceiry biochical before. You'll pitch in and held. I house?"

intemporary bookrad before "built pitch and help. I hope?" "If be honored Reg." Suddenly Corque turned the gm. "But there's one abstruce fewnoral can't understand."

Fear not you I leave to decipher me as go slong. What don't you undestand? The old saw about the came!

The usual biodroid accommodations weren't good enough for Manwright's

enough for Manwinght's magnum opus . . The red infant was on the floor, flat on her belly, propped on

list on her belly, propped on a pillow and deep in a book. She looked up and crawled.

Manwright burst out laughing "What?" Nave heard it? Pirnally of spending to

much time on the outer planes. Question What is a correl? Answer A carried is a hase made by a committee. "He sobered "But by God, our gallant get your be any carried." But be dovedowing. Forgive the quiestion. Plag. I loo deventalning for you for resid?"

"What? That? No way! Never! I we guaranteed and dishered as many ways mytis dense, neads dryads and so we're in seesoned, Charles bugst and hard and impervious to all their lains. But the becaste are going to be a problem." In

"My dear Reg! Please deception"

"Her breasts Charles Bottoch made

emisso small in law leeus I think I should
program 'em furier but what stee and
shape? Like pears? Pomogramake? Mail
ons? Its an easthabe perpleasty

Perhaps: but only the Good Lord in form I we never believed can know what is mystery kink will farm out to be Selah? in or to use an antique expression just become a new vogue word or d Popsy"

The Dominish program for a clavelating Popsy who was to be encharising husbook thy logal religibil frenchy countrous know disablent, chearful claver chic settspoken, beauthil busty eloquent on demand, and always available to emortain.

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Und so wester for 147 pages. Und good able to the computer software for constitute

it anyone

Yenyway, thore a no point in reading it regions. There's Numbers can't paint thouse IT are classified the sources I used for the generation of our Popsy Villay not recognize come of the names business you that most of them were very re-

What was your lockure to light the other day Reg? A chief is no better than his malenate. "Right on And I'm using the best Beauty—Bothoelf is Venue of course, but

vason Madenhair horispicce delicate and intiliary Did you say something Charles? "Not I Reg." "Ye decided not to use Aspasia for the

The discreted hot to use Agrees for the vertices.

But you send that was what Valera wanted.

Anyman's Solimusing Egens instead

Egena the legendary fourteen mymph gift of prophecy, which might come in

It is obvious you haven timet many on the

able race Jews heefining orginal cre-That is how you described the ideal mis-

tress, wasn't it? But if your Popsy is obstinate, how can she respond to Wilera's desires?"

for business acumen. La Pasignaria for courage Hester Baterran-she was the rrice Mata Harrior mystery What else?"

Oscar Wide! Why not? He was a brilliant talker, held

dancer's hands neck and legs Dolly Madage hostesang and-I've omitted trough the software. It's programmed

Wast a rounte. Comun said slowly

Corque was diedging up the words :

length of each track that is-

Right Each straight track that is walked.

of wonder and amusement "Confound tainty that you're programming? You're 'A little of both Charles: A little of both

parameters but well never know when or Surely she II be aiming for Valora? odd husky voice. There's a lamp on a

girl girl. But beat when flakes is snown wide a less-fran-drametic description (to

Galante the Perfect Popey GERMANA. Day 1. One hundred military Florence hask Day 2. Eve hundred military Florence liesk

It's A charging too distrin much for flasks(III)

her Too red for my taste. Poured out of the with a darm big mouth) Reg. Gally must have a nurse."

"She must have someone to look after bec All notic All right Igor She can sleep in hardly my idea of a nursemaid.

*Loan corverpe him be made her the I be 'No good. Reg. he isn't child oriented

gypsy crone appeared with begging hand

How's everything going. Searbhean? Whise! PPIP gone bankrupt? That's

Well perhaps I have something for you Manwhork was so started by Corque's tone that he obeyed and looked up per-That old heg? Out of the question She isn't old Manwright protested gypsy They call em uniters in Ireland

As you stweet do, but soil out of the

"Charles, has that damn infant got you Her first conquest, and she's just out of

other's fotoets. Figiting duels. Hall am a "We need a nurse for Gally Reg." "Neo neg neg the child has endured a session with you

Claudia? It's Regis Switch on during The screen sparked and cleared The

Ten soons love Reen too busy to call You're looking well. How's that no-good

ised to send them to me so I can surgity speach. Same the you love and no charge And speaking of kide I we got a

lected himself enough to press the cutoff Manwright was bewidened "What's

Begoti She's an angel of mother love hugging and lossing her it's interesting he affected. Toen manipulate the coon-

Imitations I gave Claudia college-level communications but I couldn't give her

"And you actually want her to mother Galy Of pourse Why not?

Your Claudia will Ingisten the daylights She's Indoors "

"Are you mad? She's beautiful Pure Majesto. And a hell of a lot brighter than your Remedal Table Tennis burns at Syrtus Unwessty." "But she can't talk. She only gruns."

Tall the Can take for Gody sales Charles Take Take for Gody sales Charles That damm not Poddy wise poursed out take ing select to the dozen. We can't dru the up. Stale if thing the house with enough of her jobber as it is. Be grasted for some selecte. So Clauda, the black mountain gonite, moved into the Manweight minings, and

Igor was funously jesticus

The first morrang that Claudia joined Manwright and Conque at breakfast (while Igor glowered at the massive rivel) site.

io the Domine is to vice or string as an escape.

Let's see it I remember your abbreviations darkeg the your that's me, gave Salatina, yee to let brang in your program? My God Clauda' I gave hat the base of 47 women. Surely at least one of them.

must have been tolet trans er ones "By what, Claude?"

By chapers Reg.

"Bry chapers Reg.
"Of Ah. Of course Thank you. Charles
hank you. Chaudra More coffee, love? It's
fruitrating. Charles. Muscolly: dyspront
again. Claudia. Com manage caps in the
writing but she can't back lower dase. How

many chapers. Clauds/*
100
"Right One-dox. Zu Befeh! Did you bring your holds to play with the babb/?

Too odd fer wha

"four leds"

"What? Galatea? Too old for your boye?" And salk in damper? I d best ose for myself. One of the loo flab bashcarre flast even converted into a makey. The usual tended of the commendation when the lood should have been sooned to see a commendation when the lood should have formed as the last called the when the borness analysis set Calustian.

book. She looked up and crawled en fiscasionally to Obsolin. Namy deer I ve fiscand the passers the old linear standard establishes does and disables, and you won't have to confy your hand additionations converse abbreriation. If is a simple style, and we can prainte to specifie "She climbed up or Obsolina and keption her beingly. One would hirsh-

and isseed her bongsy. The would thrick this might have occurred to that egobiation this might have occurred to that egobiation when the things of the second through the second through

My sphinoler will be under control by tarrance Domaine Galatea said secrets

Can you say the same for your tongue?

"Guith" And Warninght withdew with
what he hoped was impressed eightly
Of course, she stoll up like a young
bamboo plant and filled the house with her resstate capacies. She taught herself to play Main
with Regemby targeschool, which was
stated out of nipair she commoned gor her
stated out of nipair she commoned gor her.

Damboo plant and filled the house with sigas sine intelligent and there with her excapacies. She tought herself to play Mainwight is Regimely bargochout, which was stally out of inpair She commond light her it was a morale in the maining, and together they self-rather and single and series sound of content! A on the strong first choose frough the house with approximagenerated in the colors with approximaplaintailiam. The others were losed to est

Size studied linear aboritand with Size studied linear aboritand with Cleade and then irrediated it into finger irregister. They had plenus raps, selectly talking to each other until Manweight benned the constant linger imaging, which ha denoinced as a channed wiskson of sixen. They simply held hade and talked into each other spitm in their secret code, and Mannerfet was too proudo ask.

Corque took her to his Saturn Circus, where she mesmanzed him into letting her

try riding bareback and leaping through burning hoops | and

thrusting her auburn head into a lion's mouth 🤊

what they were gosspring about As if I'd get an answer proway he provided to Coroue

Dyou think thick her mydary suppose.

Damined if I know She's unexpected mough as it's Roban keat.

She stole liquid licence from liger's sheed party and tarred herself. phosphorous from Mahmegir's assumed labors, som Mahmegir's assumed labors, you and irradiated herself. But to the consults of dark bedroom all three in the company of the stole of the company to dark bedroom all three in the company has dark bedroom all three in the company however, we limited with soft-labors.

crowled to the second of the country of the second of the

Stre sneaked up into the sacred pent. In use and decorated the robotike nouncessame with same states from Man. In

ts wardrobe. The construct assumed across rescribilities to the Domine if

The inscent chief fair orlived E. & A. Chemical delivery—"My Deddy logot to order it. So statistic-trained you know into an extra gallon of citrly alcohol which also poured into the marble pool and got the provintial cologistically drain. Then site samped in and was classified that in the provintial order or and was classified to the provintial order.

Path! Just the Pasionaria programmed. She stole two hundred meters of mag refic tape from the library and fashoned scalances mobile. The gardener was on reprured. Manwingtic was infersibled, pile specific programmed.

But stars her charming unexpected. Heg Gally's a born arbst. "Like hell she is: Tests only the Hester Bateman't gave her No L × VN yet. And the nightmanes are continuing in secusation. Those dameed field Indians have not me of it of the naise."

Claudia took Galalaa to her home, where to get got on famously with Claudia's two acres and fotosight firm 30 Materights house to dismonstrate a new dator which shed dewood called. The Antho House II was performed to a sing abid composed enrified. Whey Put the Snatch on Gorila Bioty? Which she banged out of

Bring back the siring fork." Manus materied Corque was applauding enthus astro Music siher surprise kink. Beg.

Dall the musch?

Cargue look her to he Sharm. Daque whose she missinerood him into letting her hy noing bethook and lesping through the properties as the missinerood him into letting he builting hoops: acting set largel for a living builting hoops: acting set largel for a living hower stopped analysis. And thrusteng her authorn heed into a looks mouth her docken in substantial how ether persuaded him to let her sake such harmying nata.

Perhaps copilety's the missingly quality.

never surred a hair Pure aptomb. She's a magnificant creation. You've generated a Super Popsy for Valera. "Gat "Outd her unexpected knik be paycha?"

ht Mananghi freted He seemed strang a described While deslutbed him most were the di whost deslutbed him most were the di who described with the young lady him and strang with the Domine usually gette to consist of a

g "When our last session ended in another bitch we both searned for the bitrary door the told Corque "I said. Age before beeatly my dear which you must admit was grapaid me like a gladeor who sleeped in order arens. She's worderful!" Corque laughed. Oh you're insanely biased. She's been harsing you around her frights aince the moment like was possible.

terang you around her impress since a moment she wee possed And Igor and Claudia and her two be and the CB repas and the plumber shot is electronics and the gentance and the lot dry and E. & A. Chemical and hell my o

cas? All inseriely beload?

"Evidently in the only seriely the cent soon fou know the simple psychological right. Charles we re always accurang others of our own faults. That saudebox has the impudence to call me internegard, subborn, knowled, portion and Mild Out of subborn, knowled, portion and Mild Out of

Mighin I if be the other way income fleg?

Do try to make sense Charles And now that the Grand feton breatworks are making her apphasely (I think maybe I was a late too generous with my Egyptain programming) them tible no living withher variety whereast nake the deep red with the variety was a sense.

ry. Women take the damined dumbest pude in the finut of their boocaliums. Now Reg. you exaggerate. Gally knows we die! adore his reven it she were flabchested. I know in doing a professional job. and I know she has too much ago in fiar cos-

mas But have week we start schlegging her to parties openings safe-ties, routs and auch to than her for Valaria. This ought to take her down a peg. The Red Indians have got me eed to a stake "he added "Carenter?"

Therk you Lady Agatha Canapas? Grazie Signannia Prago Commendatore Cenapés? A dank meyd I Lang labri zolt ir Nati far vua General Hot canapés

sear Professor Corque?
Thank you adorable hostess Igor s?
"Mine
And periaction Don't be ahad of the

Arl Max out Maco Mademossile Gallée Que pensez-vous du lumineux Dominie Menaright?

Cass un type fres compétent

Dui Homesegue musi rombuo rent compiliersi "Quar? Manwegti? Romanessue? Vo no glinez, mon cher consul Ma la, ou, romanisque Mademoise Malais Cost underrent son obie tomi

Salilia C'ast justement con obte roman asque qui lu cause du mal a se trouver uno femme

"And they're making my rightmansa worse AssoyIndian squaw tonemy clothes of last right."

tantascienza magia-omore umorismo, narrativa, attualita filosofia sociologia, e catyvo putndo Regis Mazvengiti "Charles lihis is the last literary talk-in l

over attend

Did you see how Gally handled those italian publishess?

You ghas at my expense. She put not clears on her handle.

nice globs at my expense, one put non aws on her hands "My dear Reg, Gally did no such thing." I was referring to that sexy squaw."

Ereas agos sabes danger?

Sen Dango falo miseravelmente
muchas linguas estudo relinea e ticsofia
escrevo uma lamentival possa, estutoma comacpetico sui obtas egirmo como
un louco jogo so bose como up pathaco

Em suma son a celebra bicrord. Galatea Galarse de Domine Marwright." "Sha was magnificent danong with that

She's heating the claws in a di campfire Charles I

Didn't you over fight back. Sandy?

Nes I know he a bully But all bulles are covered at result hou should have bugget him to a standard, here Dud he ever make a possibly or — 3-3---

Un hun Me nother Hos an arro egomaniac too much in love with hims love anyone stae

What Sendy/ Me? Give the come

res dreadful man? Never! Do

himself to the most lisibleing Oily All Jassathy So swell of you to give us y took for the concert. I the just been coming notes with your admission who cocerment without a device who concern conversely whose interest control to the control of the con-

'And dreamed that she's torturing me with her burning claws. Charles, all over my bod.'

kert zwei Teile Solbstaucht, jenen Teil fütelkert und einen Teil Etail, mische kräftig füge etwas Galhermas hinzu und man amalt Domine Regis Manwight

Tispecially my privite parts
Tommie Manahight's blocked està al

dis en su manera da tridar los hoologismos palabras coloquales giro y modismos oliches y terminos de argot Sanor Yosoy Galesia Galante, la biochod " "Thank vou madante, lamnot Spanish. I

Oh Souse me, charley guy You talenday donsk?
He burst out laughing "I see you're very much with the classics medame. Let me

James Joyce Harry is N°
"You talknot" sowegran?"
"No. "We reported and application."

Non You phomo esses³* None

Clear all so. Tis a Jule Let un awop hids and excheck a few alrong varios weak oach eather yapyazzard. Provis, medisme! (fire-eastrie)*

an strangely Against my will she said slowly. I'm composed to myte you to a direct party tonght.

Many classics marksma? The Restrice

nd sargedict scene from Much About pithing? "No it's the Galatea and—I don't know our name."

Valeta Antony Wilers. It is the Galates and Valena science. Can lou come?

When this both is finished I I give you the address " I know it Galatea My hends call me Gally How do you

control warming to day to age to be clock?

Eight tonight

These party?

Operal She shock her head dizzly
the livrey when o not only me. Warmin The

don't know what's got into me. Valera. The moment I saw you at this clambake I know had to see you again intensitely. I'm possersked!

The rest of the household was driving in

computable
Thrown out " Conque kept repealing
Thrown out without a moment a notice by
that ungrateful fyranti"
"Naturally She wants to be alone will
dispat Charles former insured attraction
former.

"Naturally shy wants to be some will keen Charles invalent divisional attraction as par my brilliant programming I tell you my I'm a genus". "She afted me to make month-terith for "She afted me to make month-terith for the control of the con

her to therve month for

abet Weens's romance. He was so turned on meeting her at that bash this afternoon ment in full to protect his claim on my Perfect Popsy no doubt

"Not to worry ligor Tell you what we'll order perveiles de veau au beums noir and Thank you matritister

The silent Claudia printed PLANSING III ME PLS FENELLOS DE AMARILLO At one minute past eight Valera said. It s it all nort to come in?

"Oh please! I've been being my nais for Thank you. To tall the truth. I tried to be would to walk up from Old Slip.

Somewhat but the Syndicate complex

"My deor Valera I-

York There's you. My ripor Treny I strare than house with two and a hait men and a moun-Toor our housekeeper Galaten meof ice a bottle and shot glasses She coarred the vodes defly and began revolv-

"On yes I ve met him The lisping hunchback Widean dear soul, but only half with it That's Claudia my beloved revery She is

enough yet, but let's start anyway. She filled the classes. Russian river sh? impendiet invisclers from outer space

Gally, what merable are you wearing? 'm decaled ' l'opprise "

You sent eight. That was an hour ago If I tell you promise not to turn my in?

Who or what is a Magda? Oh, thank I'm afred I filled it too high but how like But you said a dinner perty, Gaty" vogue designer of the year Down with Way they be heard only in Siberia. Why

must I keep it a secret about your copy?" ter you if you perch a daugner original "How did you manage? And made it yoursel? From memory? You're remarkable?

"I copied it from a Majods

You're exaggerating Don't you'remamber complicated stock manipulations? 'Well yes." So with rise its the earne damn thing Cops! That's the tag of a cirty toke

The charman needs all the cirty pleas he can get for client expertainment. What is From Claudia's naughty boys Another

Valora was bewildered and delighted by the machess of Manager's house, and Galaxes flowed through it with equally med. comments. An old song lyne heunted him

Never mind the police compliments York she said pulling him down on a couch beside her and refilling his glass. "I II

Ididn't say kidnigo. Come on, man isteal

its my fault I popled your erm Don't You're so sudden Gelly Well don't The scarecrow mobile in the garden * On I love you for that I made it, when I was a little led months ago "She cover him a

Valera clanged at his watch "Your cuests must be frightfully plug

whole clarm lying house will understand

"The party is us? Just us?" "I can call some more people if you're "bu letow that a not what I meant?"

That's right

1- He stooped himself Go shood, she builed 'Say it I dow He capitalisted for perhaps the first time. tune from twenty years ago. Hey cickle dee deailive found the girl for mallWith

She flushed and began to tramble. Then ner she said briskly 'Boel Stroggroff potatoes baleed with mushrooms salad No not upsters. Tony I've made special anangements for you help me with the Together in a sort of domestic intimpov

Try it Tony she said. The never been able to decide whether the concept of let-

appeal to your sophistication. Give me your Superbi You're magnificent with your complements. Gally Sit down and try it snowed electronics into bootlegging uttraight into the pool. That a why I wanted our table here. Wat till you see 20 Perform

no Prantes 20" She ran to a wall extin smatch. The pool glowed like lava, and the poste Valera, and raised her gobiet to him Hey diddle-dee - he began and then

You goddamn bitch " he shouted His face was black. Where a the CB? tore I break your goddamn neck!

Th-fast table. She pointed. Blast I don't understand. What's-You'll understand soon enough " He punched buttons "By God you and this



a territoring echo of Manwright at his worst. "Hallo Larson? Weens Don't waste time and comb the city for a son of a brich pig I give you a half hour to find him and-B-but I know where he is. Galatea tai-

toosci "Hold it Larson You do? Where?" "The bestards in The Gastrologue Club

house, which is where I am now And if you lying pimp and his bach a lesson they'll remember for the test of their lives."

The four were herded into the main floor of Manwright's house at the point of a able in view of the threat of Claudia s mass Galatea pregnant? My lovely tasteful dark room. Valera was holding the weeping

In this aminous onse Manwright displayed an aspect of his character which

Wr Larson, you may pocket that laser

you Watera? You're goddarnn right I have the cheap secondhard trash Larson keep that gun handy and get on the CB I want.

Why Valent? Doesn't Gatates meet your

Ween? "I don't buy whores at your prices." "Thirth? I lutow

Tim sorry my love, you never knew 1d

as a whore? Why this surbben exumon of

How what happened? Sweetheart you are progrant Claudia has she been at all promiscurus

'Must I stay here with him? Does he own to Manwright who took her gently

She's pregnant, you goddamn pimp

After a long pause. Manuscript asked

"I demand an answer I won I leave until I

Manenghts interruppion was an explo-

bane, and held the staggering charman

mused. Do you go in or get out?

outside? How can you ask such ougstions?

You're hateful! Red we all those that We've char-

You are undensitiv Charles?

But I m a youn

HR MAS HV STOPT Tm.s wrom you wicked distretable

I ve never been with any men, anywhere Denamic? Managing smiled. All girls band across Galatea's face, similar to the

Maybe I should mean what. Claudig? Let her tell me her chearts? Why? "All right 11 listen. Tell me about your

Claudia wante me to hear them Claudia Ingerwapped Tell Irm Gally

Galatea Calarne are you going to dis-

After the evodicate had left, not without die promises. Manwright hursed up the trainfit and with that the prephancy In the darkness she began. They re

erotic They redisgusting I in so ashamed They're always the same and I'm always man, and I ... I want him I want hem to ... to handle me and raysh me into existing

chase him. And I catch him. Th-there are

some sort of friends who help me catch him. and I and I do to him what I wanted him They gould hear her trembing and rus-

Very carefully Manweight asked. Who is this moonlight man. Galatea?

'Just him alone, or are there other moon-

'Only him. He's all I ever want " But you don't know who he is in the

They all heard Manwright gasp Perhaps like like a Red Indian

dan at Indian squaw up in the mountains and I make love to the paletage every Oh My God ' The words were

The bolliant lights revealed him standing

Mahth-ter

'Don't you understand? I know Claudia suspected, that's why she made Galatea ael me her dreams Salatee warled "What could possibly be she herm?

greams. They were reality in disquise Their the harm. That's how your dreams. laden with my night haves, which were seen by too. Christ! I've generated a monster?"

"I can't There's no sense in it. There's nothing but that lungte; done of acid Lorom. The mystery surprise in her? You kept Wondening what it was

Charles Well now you know if you can flunderous control "I dreamed I was pur-

and ravished by a sery squaw I told you V852

Would you care to bet on that po

"And there you have it. Those theams. was really happening something which neither of us could face awake. Galaxea's

Oid she know about my dreama?"

"And I'm Valera's lover-box, the studies

Reg this is outlanded (and buckskin with Gally ever left her bed rights? There!

> 6Hs words were cut off, as if hy a quillatine in the ultralight from the

glowing pool there was no mistaking the dark pregnancy band across Galatea's face

took a slow breath 9

"Damn it I'm not talking about a conven-Damn you and damn me! They were not her body can materiakre out of # 40 complish its desires and amalgamelo erate unexpected in my programming.

No! Galatea oned in despair 7m not "And she doesn't even know it. She's an No suspinse. You re very much alke "

Galaxea turns out to be a succubus who doesn tiknow it and has her will of me in our Wore they? Were they? Manwright was

did you get yourself pregnant, eh ensaucebox! You know "he reflected. There should have been a smidger of Manuaret Swoger in the programming. Naver oc. He way back to his familiar impossible self and everybody relaxed

Out of your life, you mean Newer! Galaxia shoused Never! Marry you you dreadful impossible concerted I'm a demon what are you? Come

The two women went very quickly up-

"Containly Charles I'm no Valena I don't went a relationality with a popsy no matter Answer the question. Do you love Gally

That sery succeptus? That na've demon? Love her? Absurd! No all I went is the Corque laughed. I see you do and I m.

What! Court? That imperanent red moment she was poured. Manwhight defeat "But I suppose you renght. My dear

'Here mabibited "Please set up that sable again. Fresh service, candles flowers and see if you

Not this evening I see the Mouton elever Man and Demon Our brovs will be

But aren't they of? OO





ALIEN LANDSCAPES

Science-fiction classics, as envisioned by talented visual artists, show four worlds of imagination

THE TIME MACHINE

The Time Tavelor led the way down the long disulating control to he inhoratory. We benefit a larger action of the little mechanism we had some bands before our year. Gut by say overhead was no longer blue. If carrect convey the same of abomistible decidation that I have over the work? "A I G. Web.







DUNE

Flicks of dust shadowed the send around the classifier now. The big machine began to by A galartic sand whitocol began around the machine began to the Against sand whitocol began form The Than they saw of a twee began senged from the sand burling's flashed throm pletnersy white spokes within it. The sold of sold properties of the properties of the pletners with salt of the pletners within it. The classifier of the pletners which is the pletners of consider to consider the pletners of the p



MISSION OF GRAVITY

The worst [Messign] is raiber surprising in ceived ways its equation durince in Sirty-sept inoceani mice from pice 2 is equational durince in Sirty-sept inoceani mice from pice 2 is making the site grant water for the equation mission grant site of the caustic mission grant site of the caustic mission pice in site of the caustic mission pice in the caustic mission site in the caustic mission pice in the caustic caustic mission pic



&From an embankment of the railroad, Chris sat sitently watching the city of Scranton ... preparing to take off 9







CITIES IN FLIGHT

These was no longer any reason why a vehicle to cross space needed to be small coamped. The most massive and serviced could be listed and hundred the earth and calmed almost early destinate once arriginately was an ergonestic gradity. White case could be never of passive State DO and the coamped to the co



The astronaut trainings had to be taken down a pegor so their officers thought

KINSMAN

BY BEN BOWA

Air Force hostenant, training to be an estronaut Horfost mosion in orbit, aboard a apace shuttle deares him with said "He's got that land of Leutenary Frank Coll black mind " Since Kinsman and Coll have Kinsman paid. "Reduce scored highest among the older officers in charge of the shuttle have decided to take them down a peg. Colt sees Shir as discrimination against him And Kinsman mattees involveably linked with Colf's couple of you guys black your

Kirsman, published by Dial When he finally slid out of keyed up to be tred. Colt. seemed tensed like a corlect So the Golddust Twns

"I thought they were goting." PAINTING BY JOHN SCHOENHERR

het Kinsman is a young | keep us after school " Colt said, "for being naughty vesterday "Please" I find a way to take

you guys down a notch," Jill "Democracy in actor,"

"Hevi" Art Douglas

anapped from appass the compartment, where he was helping Colt into his suit. "Your that his own chances to be an higher than ours, you know."

Air Force authorised leve "Toll you what," Goll seed. "A

faces and see how you get treated.

They laughed, but there was a nervous undertone to if

and slid it down nito place. "Still the olega" he said through the open vacor. "Laves my head hash I swoten hos much."

Captern Howard stid down the ladder saling, diseadly suinded jub. but with his helmet visor open. The pouches under his eyes bolded darker than usual his face had

a gray prison palor.
"You both checked out?
Mr Personality, thought Kinerren.
Howard wasn't satisfied with the transes check of their suits. He went over

their passonally hnelly with a sign and his wheeld CDI for earliest. The lock cysteld and from Heward hissolet weet Strategy and her Heward hissolet weet Strategy and Francisco was a historia of the service of the wards of the service was a historia of the wards. The heavy habiton severa plus and the ocation has a family the dather of he pulmed southern was a family the dather of he pulmed southern was a family the dather of he pulmed southern was a family the dather of he pulmed southern was a family the dather of he pulmed southern was a family the dather of he power that was a family the dather of he power that was a family the dather of he pulmed southern was a family that was a fami

The heavy hatch swung shut, and he could hear. Barry the older of the pump sucking the arr cut of the phone booth—seed chantes. The ned light work on signaling vacuum. He opened the other habits and stepped out into the psychologist Cott and Howard seemed to be diese in conversation, beach beach enry remaining switche in the bay Krassan stuffed toward them, leaded the light's man-

netized scient of his boots in contact with the steel stripe set into the deck places. Cottepped Howard on this shoulder and in ported to Knisman Like acuts design in an onderwater move. Knisman said to hissset. Howard turned, tapped the keyboard.

orderwith move Kinshan said to herself. Howerd harmost sapped the keyboard on his left what sind held up four impers Kinsham southed the button marked Four on the own wind keyboard Howard is visite immediately came though his earphones. "We along thisnel four for curto-suit chatter. Ship is henel four for curto-suit chatter."

quartcy is three, don't use it unless you have to talk to the flight deck."
"Se se" said Kinsman "Okay Let's get to work.

es or said Kinsman Way Lefe get to work naior Howard's direction. Colf as man pooled away the protect initized alseeing from the third and fir

satellise in the bay it was a large fat drum, tall as a man and so wide that Knonnan knew his and Cot could not godle it with their outstratched arms. The outer surface of the satellite was covered with dead black even under surface.

of the satellite was covered with dead black solar cells. "Kinsman you come up top here with me to sarfold the artisticals." Howard ordered. "Call get black to the main bulkhead and

Coll get back to the main buildhead and open the doors. Basing up to the top of the satellite with the captain baside him Knaman asked. What kind of a specific is the? Communi-

On No I guess not We've changed orbital planes so often that I clich thealize.

the largest arranna in the center of the dumbeed.

Knownanhung heast-down over the cateline and read the assembly instruction priesd on tiby the light of the halmst large. The arranna support arms awargup easily and school risk place. Then the opening the area to the control of the control of the them.

Now the waveguide. Howard com anded laconically. "It's not an observation satellite reman said as he worked. No ports for

"It's not an observation satellite inema and as he worked. "No ports to ameras or sensors."

"Keep your mind on your work.

"Ret what the halfs it liv?" Kname.

blurted.
With an exasperated sigh. Howard serd,
Strategic Commans don't bother to self
me kid. Soll don't know Except that stop

secret and none of our damned business?

"Oth a tener
A what?"

Southbut that we heard back at the
ecodomy. Knamen explained. Southbut

actuating. Kiramian explained: Soletilities that gather electronic intelligence from other specific. This bird a going into a high orbit inght?

Howard heatafed before answering that he registed.

Noddry made he hetree Knasses went or "De librar gustree and lister or a wise baint of frequencies mostly the freaks the Soviers sure Maybe some Chinese and European bands too She part else in of beind and passes you've celebra all bair challent recording it. Then when site passes over a command station in the States they send up an under and she syste out everything elses recorded over the course of a day or a week. All date compressed so they cam get he which lead of presented so they cam get the which lead of

poop in a few seconds."

Really: Howard's voice was as flat and cold as an ice tray.
"Na: sir. The Russians have knocked as

rew of ours down or so they too us at the academy." Howard's heaponse was unimpligable "Si?" Kinsman asked Toold' hearnspood. That i never workto.

Tasted he prayped. That in ever verific the academy I came up the hard way So I don't have as much made information as you bright boys. Southy! "Oth, when the hell are you going to get

them doors open?

"I'm roady anytime air." Coltie volce came through the conhistos. Been waiting for your order.

"Well, open item up, claims & and cell."

Soundlessly the big clamshell doors began to swing open Kineman standed to return his attention to the satellite but as the doors awarig ferther and farther back.



"All right, all right" Howard's voice broke

heart himself wheaper the words as he Get your ass back here. Kinsmant! bing at his eardrums.

bay high enough so that his head and shoulders were out in the open. He grabbed a large of the open door to standy Cot was beade hm "Farrasto"

ing open. But he didn't care Inside the below: in the utter privacy of his improv-

'All right all right." Howard's voice was got to get back to work or well area the orbit-pecton time Here - and Kinsmon

let a hand on his shoulder - "don't go dirfting loose. Use these for testwini around, he saw Howard do the same thing

"Go out and take a good look," Howard said. 'Five minutes. Then we've got to crust down the assaulto Knomen finated free cutside the constane on his face. It was dazzing over-

It was huge filling the sky, spreading as ettori of will for Kinsman to turn his face By turning has body Knaman could see hereby total photochromic visor wasn't

ing eyes shut and spun away angry yellow

" sraff of the later ben tark to Mare."

No Kinsmen said 'It's Artares - in When I correcter thy heavens the work of

Relactionally Kingman turned pavey from payload bay Coff trailed behind him. Workarp with Captain Howard, they set the satel

Now we wan," he said to Colt and Kinsman You guys were so good we finished eight minutes ahead of schedule

tren. Not that they could see each other a fance through the tirted years. But some

 As the boom swung back inside the payload bay and folded itself into place along the deck. Captain Howard said, "Now for the final chore. It's a

bin one: we've been saving it for uni have 9

They awiched their sut radios to the sales to Two the control jets of the reer of flared-such quick puffs of light that they

game to release the screlife. It was utterly three two one" said Major Jakes s escaping gas as the trry thruster built into

payload bay and folded itself into place giong the deck. Captain Howard said

Kingman fried to glance over at Colf. but the fergure the moon and the stars, which

You were too excited to notice." Howard he sall strapped to the orbiter's belly Bight. We have no intention of dame that We're beautism now for a needazyous

grated they booster tanks and left them in

Simple enough Coll said We did something lifes that at the neutral-buoyancy "It sounds easy. Howard said. "But I

Okay, Krisman and "We can handle if without any trouble

All nobt. The caption said at last. 'But

listen to me. If something happens out What's he womed about? Kinemen won-

becam testing them on their profesence langth of the empty peyload bay, did them-all on putts of cold gas from the

this task. Howard worned them. "Too

difficult task of the whole museum

"That was a one-man lask. Kinsman said. "He didn't need a couple of rookes getting in his way. And the Heds probably

"He's a stronge little guy." You'd think he'd have made major by

Cright colonel. He sies old as Murdock

Teah but he a got no wings. Flunked out

That's what Art was telling my He's

the time Knaman said. If got the feeling he en-

Hey year, I forgot all about that

sky again. How quickly the miraculous be-

Sure is some sight." Colt said from be-Makes me want to use chift out of here

The husband or the wile? Both of em

Colt's laughter deepened. Sufe Just All right, there it is Capitain Howard told

the open clamshell doors of the psyload bay, looking out at what seemed to

You've got three hours " Howard told them. The broatertank linkware that hold reattach to the other tanks "Yeah yeah, see know. Colf said impre-

Kinsman was thinking. This shouldn't take man they as hour Why care or done? easy. Howard said as if in answer to Knyman's unspoken puestion. It's differ-

"We learned all that in training " Coll in-"Yeah sure you did Pardon me I

just taking preces apart and nessembling them

Did you hear someone say Euroka?

tigitaring job he was doing. Colt was floating some forty meters way up at the rose end of the fat propellate tank. He looked trry next to the huge stack of fanks, gleaning brightly in the strang sunlight. But the voce in Knimment's expensions counted as

vote in Kinemann easphones sounded as if he was faulde the helmot with him. "Hell." Kinsman answared: "we did so much of the merkey work I thought they were training as to open a garage. Yeah. That's white I was thinking. Their

sean inters were twee training treat why were thoused so shally about us doing sea? You haven any troubles? Wreman shrougged inseale his suit, and the motion made him drift chightly away from the strut he was working on the reachine do and matebraid to shall be reached out and matebraid to shall her-

from the strut he was working on the reached out and grabbed it to steady herself.

Two spun myself around a couple trees, he admitted. It gets a little confus-

ing, with no up or down lakes soll used to Colts answer was a soll grunt

on The had to stop and locit cool down a couple times. Year Me, too But no trouble.

Maybe Howard's womed about us being so far from the ship without lathers. Maybe "But Cair didn't sound conveced. "How's your end going? Kinaman aded." I'm almost firehed here."

I oughts be done in another for minures. Three hours! This darmed job's a peop of cake if ever (Holy shir! Kinsman's whole body jerked at the

sugency in Coll's violes. "What? What is it?"
Look the shutte!
Tuning so rapidly that he bounced his shoulder into the tank. Kinaman paered out.

makes are speaking from them.
They we closed the polyded bay doors.
Why the held would they do that?*
Coll justed down the length of the sank stopping himself as readly as an Los shallow with a countaining pull of oolid gas from the

What his hall are they doing? he relead bewildered. Cot said. Whatever it is 1 don't like it. Suddenly a cloud of white gas jetter ham the shuttles nose. The spacecial depend down and leaking hom from Anothe

near the rail and the shuffle slewed aid ways. What the hell they don? "Cot should The shuffle was steining sway, from this courting crisionials faither from the proplant tarks where they were stranded." "They are the shift Sensitivi is asset."

keyboard for the flight decks radio freguency.
Kitaman to flight dock. What's wrong?
Why are you manosurerng?
No answer The shuttle was dwirding away from them rapidly now.
Jesus Chnişti. Coll yelled. "This viadesis Chnişti." ------

id: gcms leave us here/
ie "Captain Howard Kinsman seed into he
belinet mike trying to keep the hemble out
of his years." Mace Podoble, Milet Pierce

iss still outside the appropriatit Answer please?

I so Norting but the cracking hum of the radio's center wave.

Those some of bathes are stranding us?

Namen watched the shuffle getting angle and smaler it general to be hardfring mattly away from hern although the aboration part of his ment took this that the spacecraft was only dating, it hadn't hind the stream engress at all But the afthernoon inmaintain whether in tendon the furcional in-

the as main engines at all But the difference in elective velocities between the tankage assembly and the struttle was innough to make the two fly spart from each other as- Cot was moving Kinsman saw that he may was entired by the structure of was entired by the structure.

Grabbing Colt is arm to stop him. Known antipped "No!" Then he realized at that his suit radio was still funed to the flight a.

Gled us hotshots, the Golddust Twins? We're the top two men on the list. They just want to rub our noses in the dirt a little ... ust like the

upperclassmen used to do at

dacks frequency Benging the stud on his wrist. Kinsman said. "Don't pane." Remember? That's what

We can't hang here!

You I never neach the shuttle with the manauvaring gun," Kinsman raid. "Not enough range."

But something is gone wrong Krisman looked out toward the dwinding speck that was the shade it was hard to see new against the glang white of the earth. They were passing over the visit chast-covered engages of Artistycka With

a shusder. Kineman felt the cold scepting esto him. "Usen: Maybe nothing a gone wrong Maybe this is their idea of a joke."

Maybe that a what howard was trying to tell us. That's cracy. 'No. They we been stacking it to us all

through the mission haven they? Perce is a creaty bushald and the looks like something he might dealm up.

"No don't joke around with lives man?" We're safe enough. We've got four hours worth of air As long as we don: pand we'll be disay. That's what Howard was trying to left us.

for thing fee thing? Gotts voice tournous callines as five writered to bahave Kimman as if he needed to believe. Sow paranous observed you you when you you got of need, Kanaman shought. He almay seemed "How many times have they colled up a resemble, the Goldschust Team? With mit he.

uppercisionnen use dro do at the academy"
"fou think so?
It's extrer that or each dead? Kneem planced at the digital watch sot into his west keyboard. They allowed three hours

gascas at the digital work of the wast keyboard. They allowed thise hours for purities. They'll be back balon that time is up. Less than two hours.

"And if they te not?"

"Then we can pain!

"Late good if" did then
"Wen't do much good for us now either
Wen't do much good for us now either
We're stranded here until they come back

for us

"Bastards Colt muttered Now he was
commisced
With a sudden gan Kneman said "Ventbut maybe we can lain the lables on them"

P 'Follow me, my man
"Follow me, my man
Whout using his thruster gun. Kinsman
Nrt. clambered up the side of their propellant
tank and then dinted slowly into the next

Like a pair of side dwars floating in the mass of a pod of whales. Colt and Windman hung in emphrises, surrounded by the big, curreng holiow tarris! Yow when they come back they won! he holds to the properties of the policy of the poli

us to suri chaster. So they won't hear us ther Thai should thow a scare into them. "They If think, we panicked and jetted way."

"Maybe that's what they want." Maybe But think of the explaining they distant to do back at Vandenberg if they lost the two drus. Four officers careers

down the drain."

Cell gigglied "Almost worth dyn" for ""
"We ill let them know we re here.
Knorres seed "after they ve worked upsnough of a sweat," fin not dying for anyone's pike not even my own.

They wanted while the immerse pan-

and the stem stars worked electly. They willed and they taked.

"I dought she pili, because we wise down in Houston and Huntiville and she couldn't lake it. Odd was seying "She was couldn't lake it."

ill whate you know and the pressure will an e her a lot more than me I dight think Houston was that prewarms see how cosmopolitan everybody

a Rowman admitted. Must ve been prof. Years, but now that I think back on it we were having our troubles in Colorado, soo

superpool Never saw anythody so much in And seator? Mail: You're mestaking alow

Yesh That is it true you're a Quaker?" Used to be the seid automatically try-

Something like that Like you said. Youth Can I concentrate on a pareer and

They sat facing each other washing

I was going to let you stay here

And he thought of his father gold im-

him back to reality to the world he had

Switching back to the flight deck's frequency, the two

(leutenants heard "Piorno apaddement, if those two kids a murder charge 19

"I don't just warns be good " Cot was

You're not going to win many friends that

Kneman shook his head, chuckling "A general Jeez, you've sure got some long-"Damn right! My brother he's all hot and fired up to be a revolutionary Gain around

hight for justice against the Man The FBI damn near probbed him a year

Hit is bank to raise money for the People's Liberation Army Not arwrone. There arms no PLA arwmore. Most of lem are dead, the rest scalme. So I decided I am I gorna tight the Man I'm gorns be the Man "If you can't best 'em

Looks like I'm poten 'em week." Colt seed with real passage building in his word-But I myust worker my way up the ledder to

"Where does that leave us?"

Knamari Cott Canyou hear me? These Major Jakes Do you seed me? The major's voice sounded distant dis-

torted by ragged state; and very con-Kinsman held up a hend to keep Colt

tanks are blocking it "We re getting their freek scattered off the tanks?" It was a referrical question

enough for Kinsman to see the grin olitter-

Right The shuttle pulled into wew and seemed

heard. Pierce goddammit, if those two leds have been jost I'll put you up for a Now you were in on £ 100 Harry? Howards voice out in "I'm suged up

help search for them?" Perce's years Jakes sharled "Isn't that enough? How about you getting your ass outside to

Mar But Im I flyrik if would be a good idea. said a new voice, with such weighty authority that commander Major Podgiski. Among the service and therefore as sen or as God.

this and it hear I furned out very funny Colt and Kinsmen holding on to one of could barely suppress their laughter as they watched the shutting cargo doors Maybe we oughts play dead," Colt

and diffed into the open There they are!" The voice sounded so

We've fine six" Kinsman said calmbi

But we were beginning to wonder if the Uh no Jakes said as he sitted up to

Cott and Kinsman. We un well we sort Nothing personal "Perce added Sure. Kinsman thought Nothing per They were great buddles now as they

man were grabbed by the four trainees

meta and suits. Pierce, Jakes, and Howard and said nothipped. Sir I must make a

Looking Pierce in the eye, Kinsman saad 1 don't mean Moor Podoldo ar I mean Everything stagged Jill Meyers who had met, let it slip from her fragers it amply

wide eyed and open-mouthed. The only The sudge advocate general?

the sensor sensor from Pennsylvania Turning to type the major, close enough

"You can't " Puerre cometow lost his

With a residened shrup. Jakes pointed

Kinsman elanced at Colt. and the two of

Many Endolsky was a bin, finest-faced bulk barely litted into the commander's as Kinsman rose through the hatch

say down there Lieutenant and if you

Sitting lightly on the payload specialists

Sk. he whispered. I thought one good

smile won out I see you went them to Not exactly or I want reparations. "Repa - What re you talking about Mis

This is the first time Frank and I have been allowed up on the flight deck

her back through reently and landing lowed a ferrior whole. Oh, you do? And

Colt bobbed his head ingorously "Yes.

Sir . I meant it about the judge advocate peneral And I have another unch

That's an order!

Podolski countried 'A pair of smart asses with the guts of burglars. Just what the fuck onn fitting around his mustache

"Okay we're due to break orbit in two strough the whole routine and watch how

smile of all. "If he plad for DO





S presented trigger better than any others ever seen on recently have writers begun to see cews as places of holis then urban ones in our history Momory is feeting, so and at the twomen century.

-untillectual artistic, social, financial-took place in the gates. The creative people loft or New York or the major city of their chase Emily Dicknison dweller but elicits a depth of

designed bigger and better ocea for the future. Wells in utopias have been corried began churring along, crites

Fruin Mitchen spreads Harry Michigan Proporties on U.S. by Promise Publishing in U.S. by Nood Books





supercity came. into existence la writer could set DEV WENOU beckground or segerly and read on has its limes Foundation sparse decith in the Galactic Hero) There is a this kind of BOOK BWORD supercay built keep it running



west stop exception of

Island -and M -New York

biggest pity in

(1970) though

the others are physical He speculated solar system down there enough material available to form a thin sphere a trin sphere about the sun a grant shall that could be Bob Shaw in Was not Earth explorers sphere and must spend Dyson's design WES RESOURED



dipzen rumed Beem Piper in scientists learn.

larger scalo is





HALFJACK

Half-man, half-machine, he roamed among the stars, seeking fulfillment BY BOOFF ZELAZNY

walked barefoot along the beach. Above the city. Snooren a stone then harled it in the direction from which the variabled from sight. Eventually it would begin slupping. Be-

Somewhere beyond the skyline a vehicle lifted ibutting its He had let two offers pass him by to inger There was another

As he wasted up Katha street, he saw that her apartment was still dark. Good she would not even have missed rum. again. He pushed past the big front door still not reperted three-nights ago. He used the stars. Hele: himself industry. her stiming

was living there ismang. She raised her simplishing

her For a moment she was sleep warm and steep-ach against You've got too much on she said unfretering his stirl He psered it off and dropped it. He removed his trousers

gron where it stopped

You didn't even know about it until a few nights ago.

For almost three monfrs— Take it off Please He sighed and gave a half-smile. He rose to his feet He reached up and put a hand to his long, black hair. He

BAINTING BY MICHEL HENRICOT

carte free with a soft cracking sound. He

plensiv bald the left had a beginning

electrostatic bonds. He dress it down own

separately balote pulling off the body-

deeming some dusky

meent when he called you first

keep the glove on-at all times. If was the

Either way he said. My genes could

to feel human

She ran her hands down his back pre-on I don tunderstand is she said when they

Applicant? There was no accoded: The

He entered the battyoom is merged with

 Standing he turned toward Kathy, whose eyes had not left him. Again, the half-smile. The

plastic ... machined ... 5

not it at all. Yesterday I would have seed so

it is suffithe wanderlust, or whatever you going again it's my nature, that's all it to your feelings for an excuse to break us

I believe you Tike you soo Whether you

bean shorty and he could sho up that

-Meet any nice pais?

Out 60



Chanks has one of the first pacemakers ever built

SANDKINGS

His interest piqued when fold of the creatures' proficiency for warfare and worship

BY GEORGE R R MARTIN

Smort Kreas Lived alone in a sprawing manor house among dry rocky hills lifty knometers from the city. So when he was called away unexpectedly on to take his pers. The carron hawk was no problem, crossled in

This time though he had post luck Xengoets had blosed is



PAINTING BY ERNST FUCHS

he wanted something new something that would stend out

Model and the bound interest evidence of course flags to Southwale. Desiring for places the head not personate flags the selection of the sele

of shops with equal disselectation. Then he carrier across is some that was officient. If was very near the port. Kress had never been there before the charge coursed or small languages stop business of moderate size set between a supports by and a fample brither of the Secret Statemand.

Doen this far Randow Box went grew is facly The shop seef was unusual Artesting.

The windows were full of mist—now a pale red now the gray of true flog now speaking and gooden. The mist swited and

could not recognize—but he could not get a good look at any of them. The mass flowed sensuously around them displaynig a bit of hist one thing and their another than cloaking all It was intriguing

As he wasched the mist began to form
Helets Chelword at all the . Knos stood and
held
House Shall Brack IMPORTERS ARTHACTS ART
SEFFORMS AND MISC

EFFORE AND MISC.

The latters stronged Through the log. Kness say something moving. That was enough for him that and the unsprises in their adventagment. He aways his walking close over his shoulder and ensered the

close over his shoulder and entered the slove inside Kress let discharted. The interest seemed visit much larger than he would have guessed from the relatively modest toorsage. It was dimity if present in a result to the certification of th

lay the merchandse within The sistes one carposed with ground fog. It came most to his knees in places and swined boat his feet as he walked Can I help voo?

She almost seemed to have neen from you'Wo'or Shade? Kness asked Or sies help? is Wo'ready to serve you lishe re-Shade does not see customers. We

Now no cales help
You have quite a large establishmen
Kness said. Odd that I heve never heard
you before

chase on a sumber of other works how ever What can I sail you? Art purhaps? You have the look of a collector. We have some the NorT auch crystal cerwings. No. Klass said. Town all the crystal

A Weform?

765
Alain?
Of course
We have a minis in stock. From Celuse
World. A claver title amiser. Not only will in
learn to speak but electricily it, will minis
your vices inflections gestures even ta-

a voice intections gestate even toit expressions. Oute said Kress And common I have use for either Mb I warn comething excitions all And not oute I defeat oute mals. At the matters I own a sharroler



Do I make myself understood?
We arrived enginetically. Have a owned an arrival that worshiped in

You resunderstand me. We said still wearing her strange smile. I meant worthin literally.

What are you taking about?

That I have suit the literal for you. We

I think I have just the thing for you made. Follow mee. She led him between the radiant couers and down a long, log introduce as beneath false stainight. They pass hrough a woll of mist into another section the store then slopped in final of a like plaste tank. A academic Miste Indus Wo backened. He stepped closer a sew table was arong it was a territin.

the backfeld in his highest about the properties of the properties

Over their bentaments and through their sounded porticed in the second porticed in the seco

things are fattoo small to have enjoying to the most rudinentary brains. They share hyemnos. Wo said: "Co lorinds in this case. There are crip that organizers in the tark, actually. The four daid: "Iou sae how for coach has fallen. Kress looked back at the tank

again Shi a is only an oversized and id hoped for something better They form was

They fight least. Was floored again. Was 9 himm. Knos looked again. Was 9 himm. Knos observed one converted by an observed one converted by an observed one to be supported by a support of the tank was Knos student on the text of the tank was Knos student on the text of the tank was Knos student on the text of text of the text of the text of t

it is not an insect. Wo insisted calmly

by the above and lad firm around or the next cast of "Look at the colter and the service and the services are services as the services and the services are services and the services are services as the services are services are services as the services are services are services are services as the services are services as the services are services are services are services as the services are services are services are services as the s

 Keep garoad across the lark. The zers of the that live castle were offill with red viril. Homen he said. They was as I said. We told have even have tucks and alliances. It is a since the destroyed the four hics of the tark. The blacks seric become rumancus and so the others sorted is no relating from.

rumatous and so the others coned for to destroy frem Kissa semained unconvinced. Amus no goubt: But insects fight wars too "Ingests do not worship. Wo said."

Th? miled and pointed at the castle Kess stared. A face had been carried in the wall of the highest lower He recognizer of it was Jalis Wols face. How. 2 I projected a hologram of my face into

The black castle
was the first completed,
followed by the
white and red fortresses
Kress sal

ne face of god you see? I teed them I jam kays z took The sandwings have a ruinerfary pooling series. Proximity silely by Thay series me and working me by sang my face to decrease that buildings. If the castel he have than see They did Ch into castel he listed at all the castellar and the series of the are also as the workings that is have also as the "The terrenost legs double as arms." They "The terrenost legs double as arms. They

both in busing and in bittle Remail all the mobiles of one color state is or mind.

Tell me more. Kines requested.
We smiled. The most keep in the co-Mays is my name for her—a busin 4 year. The thing is market and stomach I Ferniel Jurge as your fail immobile. ally sandoon is a for immobile.

mobiles are peasons and warn real ruler is a queen. But that a lauty-salvell. Considered as a whit testle is a single hermaphroditic What do they sat? obtained inside the cashe. They get in the max after she has worked on a first excluding. Their stormers can it handle thing else if the max doc they sound wait. The max is the max east anybridule through their no specule expense their is source will do excellently.

Use food? Kiess asked We strugged. Euch main eats mobiler from the other castles yes. I am intrigued he admeted. If on-

they weren't so amalf if they weren't so amalf if they so an be larger. These sandkings are small because their tank is small. They seem to limit their growth to fit available.

space If I moved these to a larger tank they distant growing again. Hermin My pranha tank is twice this size and watarn It could be cleaned out

size and vacant It could be diested out blied with sand. "Wo and Shade would rake core of the installation. It would be our pleasure."

"Certainly" We said They degen to happie about the price

Three days flow Jalls We amwed at Street Kniga's a value — with demant's cardiarys and a soft clow to lake charge of the institution. Yet a seasonate was allow uncored bipads with flow arms and buging multiplaceted ways. Their lake his lick-and leating, and wester into home and buging multiplaceted ways. Their lake his lick-and leating, and wester into home and buging and profusions of odd places spon their and profusions of odd places spon their good workers. We crosned them about magood workers. We crosned them about mamuscool corpus that Kness has crear-

head below.

This doe, if it is consist the model has been a consistent or the basical control of the control

Finally one of the fourtermed vork olimbed into the tank and dug peep of the four content. One of his company handed the domaint make over to him moving them one by one from the had cryonic leaving cases. They were nothing to task at Krissa in the content of the content of the tree of the content of the content of the tree of the content of the content of the tree of the content of the content of the tree of the content of the content of the tree of the content of the content of the tree of the content of the content of the tree of the content of the content of the tree of the content of the content of the tree of the content of tree of the content of the tree of the content of tree of the tree of the content of tree of the content of tree o

Each with a mouth

The alien buried them one in each

sealed it all up and took they leave strength until they are well established. I

Turn on the hologram after about a

the plastic and frawned

peased to fall from their desert sky tour

6The attacking sandkings washed over the saider Mandibles

abdomen, and clung. ripped it loose Kress smiled and pointed .

The sandkings lived up to his forgast

hiterakiny almost drove him mad. I was a

Malack Sane suggested they have a

Ja a Wo was the last to opport. So

udge of what is deglading. Hed the earld

Knoos ordiner counts were full of outs- into her coal to leave she fixed him with a

Over the next few months Kness and

the living room, where the red groom of his



he said image. Then he went to fresher his The sander was too large to be cycled

tank too slightly to one side and Majada

The spicer began to move toward the

version and the solder did not stop, its least

Raleus let out a long breath. He looked pale. Wonderful someone else said

Jad. Kress saig. I think you are a cil.



force of granges and blacks broke their formation divided them and butchered Rakkes began grang Kress promissory Oath in Lane again, one evening when he

has to put a stop to you. Simon I guess it is

meal and thought no more about her threat

a police wristbend. We've had dom-

have a report that they are semisentient way?

repect the other cauties. They were each a

First he got 1 Etherane the Perseller 17

I want a very specific living of pupply

of wine. Feeling very happy with himself, he

The face on the wall was still his But it

... He smiled and lowered his hard to swallow, "he said, delighted at his wit. 'Especially for one your size. Here, let me

give you some help. What are gods for after all? 9

bloated and piggish his smile was a

strous crude a brutal mouth and mindless The rada gave him a satanic twitching

Krass flung his wine across the room in damned His voice was shrill Tillteach foom then returned a moment later with an

was a meter long, and the point was still

He watched for a moment wondering

Laser after disnking paveral glasses of

Kress woke to angry pounding on his

She swore and shoved him aside and

carrying a heavy sledgeharriner in the letter

She sworp again. This time there was a pack her hammer to take a third swing

mouth You look like one of your piets. How on you like the taste?

Ballout he said He saw the thlowing

She was transfixed bleeding nearly

Kress made small hysterical noises and

He watched as a column took prapa a

nearest by some lifty intometers away a-

clothes intestric has food-or made his

When he shoved her, she looked briefly screamed as she tumbled down the stars

"I'm hurt," she called and shortly afterward

If ager of the hose that snaked down his

If was dusk when he returned to his

room summa on lights everywhere he were The pastles were shrunken and distorted

slapped by the watery bombardment

carrister of pest spray strapged agross his

Kress watched the body moved writing He laughed and civisted the illumination

peakeable bloke at hand, but he did not need if The whele below about manual in section and the others had been been as the same and the others had been seen as the been poor when he was though no vace of the shuggle retrieved except for ne broken had.

He are a light lanch and resumed in multi-free meaning sensioning in full day gift it was not too all too! This blood is looked in his ording garderil where they buil a castle heavy, with obtained and calcular the was in to bottom of the orgadiopsed severiming poor which has parallely filled with which believe and over the years. He day mobile of both other and ying occan pelled out to her make those that we applying the decoder is filled to the production of the carrying occan pelled out to her make those that we applying the decoder is for the pelled of the

a high when he could just let the prison of its earn. Both make should be dead by evening.
That let only the burntorange sandlengs unaccounted for Kwes orded his estate several thries in an overwidening some but he found no trace of them. When he began to several thries in when he began to several thries.

het dry day.—He decided it was not important if they were out here they were probably eating the power pullets, as the ridds and blacks were. He crumhed several sargisms under-

He chundhed seward servicing learnings, unchanged from the program diagned of skillablezion as he walked back to the house if node he emoved he steinhines seeded cown to a de close masil, and finely began to skillament of the servicing servicing to skillable the servicing servicing to skillable the servicing servicing servicing skillable to the servicing servicing skillable the servicing servicing skillable the servicing servicing skillable the servicing servicing skillable the servicing skillable skillable servicing skillable skillable servicing skillab

been obtainable. His revene was interrupted when his viewscreen began to birsk at him it was says Riskia canng to brag soout some catnibal wome he would bring to the war games tonght. Keess and financing about that but the

Krass had forgotten about theil recovered quickly Oh Jac my pain neglected to tell you. I give bond that and got no of the sandkings. Up things. Samy but there I be no perhaps.

Resease incignent But what will bo with my worms?

Put them in a basker of that and send hem to a loved one. Kness said signing of Quickly he began calling the others. He

there to a loved one. Kness said, sight of Quickly he bagan calling the others in hid not need anyone allowing the docretee now, with the sandwings alwe or needing the sozzie.

Id anved on extredule an hour ater She

sections do by which is seen or seen of seen of seen of seen of the desighted with healtest of Dath's reaction to their hely had made operate. While allied is managed to associate that a the had membraced the prains to anytone. He nided satisfied and refilled their reviewal see. Only is tookie was left. If these tog: least bootic head of Come with rest or left and help me provide a principle of the cells and help me provide a provide provide a provide any seen of the cells.

than I".

She went along willingly enough belied at the top of the sears when I opened the door and gestured for horecode than "Where are the lights" asked. And the small—what s Pat place and I Server.

When he showed her sha looked briefly started. She solvemed as she tumbled down he stars. Kneed obesid he door and began to half a shu with the boards and air nammar he had lettliff the purpose. As he was fingling, he heard for green. The hurt, she salled. Since half all that? Suddenly she solveated, and shortly after.

It did not cause for hours. Klass went to his sensorum and dieled up a exucy comedy to blot i from his mind. When he was sure she was dead. Kness

with second and the s

ted and black makes in their cont castles.

He bound from stey much less that bound on the second of the black coarse was gifteening with vide or comp gase and sand sand passing their second of their second of their second of their second on its force of their second on their second on

The red operie was creeping by the world in the seamment place. The maximum state is seried in a pril surcounded by saind are concrete and before the bed only all ower site before of the bod in the seamment of the bod in the seamment of the bed in the seamment of the bed in the seamment of the bed in the seamment of the seamment of the seamment of the cruph in bod ingline and the seamment of the



others were approaching rapidly. They

By the time he reached the salety of the

cruan But he kept spraying Only when

hose and his hand came away opvered

soon dismissed the idea. We litter too

viewscreen-white haved plank of ex-

Business is fine Louandra. Kness in You will be well pard. "Kress said." You

"These costinued rumors that I don't exist are making it very difficult for me to obtain credit? pest control

Good You'll need on three to four

Har face remained impassive "Well-

Lissandra was true to her word. She or ryad in a lean black semmer with those

grated the mobiles fleeing in a thousand

seemed to erup: and he was covered with

mer heard and gestured. Her third opera

 The heavy door was still nailed shut as he had left it. But

it bulged outward slightly. some tremendous pressure

uneasy, as did the silence .

about The castle crumbled. Now it was

Knees rushed to another window in another

She stepped into the cooking is the size to her left hand and neach with har eight furnishing inside for mocome. Nothing recopered. If see it cannot be it doesn't seem to "hen she was screaming and sha

had camped feel around her walled through her skinthins mandbles had sunk in it was n seither hand.

Lissandra did a homble little jig bottosi the noom and began to streigh her nand against the reasked wait. Again and again and again It landed with a heavy mary trust Paristy the sandorig fell away. She withing noon and fell be not indeed. If the fell and the fell of the control of the sandorid orth. The reconstance of the fell of the sandorid control The reconstance of the fell of the control of the

I finitionly trigges are broken is the said softly. The broad was still flowing ready Shihao dropped the laser near the celler door. "I most going down there her operative announced in clear time times." Lissandra looked up at him. No list lead. Saind in the door and flying it all read.

Crician's Boyou understand?
He nocked
Kriss masked "My house" he sed His
stomach churred. The white sandking had
been so signed How many more were down
then? "Don't he continued "Lesive it

Lessards misunderstood. She held our her hand it was covered with blood and grearish lotack into: "Your title frend bit clean thoughmy glove and you saw what a book to get in off!" don't care about you house. Smoot, Whatever is down there is going to die!".

Krace handly heard her Ha rhought he

Kisso hadly heald her Ha Hought for could see movement in the chadway beyorid the celler stoor the imagined is whele any bursting out each solder as big as the sandwing out each solder as big as the sandwing to the had affected Lissanda. He sale himself being filled by a knowled lifty arms and being diagged down into the describes where the may wailed rungitly. He was affaird, Dah's he sale.

They grored him. Kness demand forward and his shoulder stammed into the back of Lissandra a operative just as the man was bracing fire. The research grunned lost his belarities and puched forward into black Kness lettered to him fall down the stars.

Aftarwards there were other noted southings and shaps and soft squisi leands. Kress swung around to face Lisear He was drenthed in cold sweat b

sucky lond at excitant possessed him It was a most several uses minds cell or old eyes regarded him through her mask. What are you do ing? she demanded as Kress powed up the aser she had dropped. Simon! Naving a place. He stad graphing.

Making a palea he said gigging They wan thurigod no not so long as god and good and generous I was cruel. Slaned them I have to make up for it now you see You're insere. Ussands, said it was the last thing she said. Knes burned a hole.

through He dragged the body across the up floor and colled if down the cells states. This gift noises were louder—channous clackings and sotteprigs and ochoos that were thick and injured. Kress naried up the door once applied.

againing. As he fled he was filled with a deep sense of contentment that coated his fear its like a layer of synch the suspected it was in the period of the coated his sense.

sorross Helplanned to leave his home to fly to to hand city and fake a room for a right or perhal digital for a year instead the standed dishind or mostly was not quite sure mity Helpland by She for hours and esoted a all up violently

for hours and reiched it all up violently on his living room carper! At some point he fel esteep. When he woke it was pitch dark if the house.

He consider a paint the county he county

hear noises. Things were moving in the walls. They were all account him His hearing was erinouthially acute. Every little creak was the rootstep of a sandking. He

Something moved from shadow into light A pale shape on the seat . It was as long as his forearm

Its mandibles clacked together softly :--Kress slowly backed away •

closed his eyes and walled expeding to feel their tentals outch, afraid to move lest he brush against one

tractive Modifight was filtering
to the high vindows. He eyes eduction
The living room was empty if
The holding nothing Only his in
Seets steeled by modifications in

a Nothing there. The room was di Helletened Nothing No sound in the walls It had all been his imag

Themseroriez of Lesandra and the fring p in the collar returned to firm unbedan Stame and anger weather dover him. Will 1 had he done that "He could have helped dher burn it out kill it. Why he lates why The may that dome into him had put fear in the work had dome into him had put fear in the may that dome into him had put fear in the was one And how was altage so large awas one And how was altage so large. keep growing. And if had learned to like the lasts of human high he thought. He began to shake but he took connout himself again and stopped, it woudn't hur him he was god. The white had always been his footn'tes.

been his favorities

He remembered how he had stabbed it with his throwing sword. That was before Cath came. Darm her anyway.

He count say here the may would grow hungry again. Largo as it was e wouldn't take long its appetite would it is remote. What would it po the? He had to get away back to the sefety of the city while

by the man was million tamed in his wine pel or fair 11 was only plaster and herd-packer el earth count there and the mobiles coul in dig and tunnel Witten they got free Kress old 11 want to think about it He went to its bethoom any packed H

he took thee bags Just a single change of an clothing that was all he needed the rest of the the space he filled with his valuebay with the pewiny and an and other things he could not bear to lose. He right in propert to option

not be a rolling the didnot project to return to the place were again. He a trambler following him down the stars staring at him from its balant, glowing syles I twis gaunt. Keess realized that if but heart areas since its here for a New.

mally it dould lake case of itself but no doubt the pickings that grown learn of law when it modit or butto it has leg the sharked at it and showed it ways and it sourced off damasally that and offended Carrying this bags withwardly. Kness model and the policy in the lates have shown as the policy of the lates have the policy of the lates of the lates of the model and the policy of the lates have the policy of the lates of the lates of the the lates and the policy of the lates have the lates of the lates of the lates of the policy of the lates of the lates of the the lates of lates

s speed outside and shut the door behind him. For a moment he stood pressed against the house his heart draiding in his other. Only a few meters between him and his servinan. He was affect to state those few, steps The monolight was bright and the grounds in fest of his flourie were a some of command. The house in all issuances are

in neith a mass of lead servicings. And the is makes in the back and set on the service are set as a second term in took an effort to and emergence that they were lead if it was in upon most set flowywere empty washing and they have visited to offen before income and the second in the set when the second in the second in production of the second in the product with in mass of the second in the product with in mass of the second in the product which mass was trapped in the product the production.

dock savarall deep and deriberals oreast and stropped forward ones the saroking ing. They crunched He ground them into the sand savagely They and not move. Kees smiled and walked a saily across ing. the battlegounds. Listering to the sound the sounded of safety.

Crunch creakle ownich
He lovered his dags to me ground at
opened he door to his semmer
Something moved from shadow in
her a nate stone me the coat of his se.

ight. A pake shape on the sea mer it was as long as his foles do as clacked logather softly up at him from as small aways. These was more motion from inside the

uphalstery But now they emerged They formed a ragged ring around the eximmer

Kress whimpered and re-reated back

He counted a dozen long, white shapes headed for his liquor catimet rived in No slid in safety thumbed the

the easy oblinion he yought. But he woke

sandpaper dry. He licked his lips and fied

can make it I really do

mey had before the battle-and welked

communicator. Mwada: he began casu-



sieep, and soon he found himself staring at the thing. He easied for almost five minutes before the standardess of 4 daybard on httl. the

satisking was not moving. The mobiles could be preternally as a solid be preternally as a solid be preternally as a solid be as the modification of the solid bear The mail bles clocked the legs twitched the left from a friential and awayed.

But the sandling on his dissister was completely still. Knew roles holding his breath not claim; to hope. Could it be dead? Could something have killed it? He walked across the room.

ning name kined or the wasked across the load. The object was first probable seemed ownless scratchou as first wasker creature seemed ownless scratchou as first wasker creature seemed outward at the plates of First whete armor. First wasker creature and the first wasker creat

Ideached II

It is as wifirm inchesion and growing hotel

If the sandom hotel and growing hotel

If But it do not move

If pulled his hand back, and as he did

a segment of the sandomg's white eap

selection by lawar from it. The feetbreasth

Kees tracked way and sen to be door a Three more what mobiles by in he half They were all like the one in his besticent. He can down the stars jumping over sandkings. None of them moved. The it house was full of them all dead dying. If compliance, which were the sent of care what was worig with them. Just so they could not move.

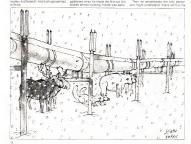
that was wrong with them Just or ould not move. He tour'd four of them insude his sale for picked them up one by one, and hern as fair as the could. Da tondains the allot back in on the tondains. He allot back in on the

dark He sld back in on the run eaten seats and thumbed coats

oree thing happened isstined again and again. Nothing their This was his skirtiner to cupto

waint fair This was his skirring if ought to start. Why wouldn't is MP His click to independent Finally his got out and checked, expecting the worst. He found it. The sandkings had been spart has growly god. He was trapped. He was self-integed. Grintly, Kross manched back into the house He went to his gallery and found the amouse as MR had fluor nextor the thronamouse as MR had fluor nextor the thronintegrable formed tryging is viscous in the cost that closed almost like you collect and the yellow chan feets bestings in charge of them be realized by the control of them be received as the control of the cost of more than the cost of the the cost of the cos

resource, he sorted doward the cellar his got within spirit of the dock their stopped. If was not a door any more. The wastle had been eaten easily so that the note was twothe size if had been and round. A pit, their was all. These was no sign that their must went been a door hat ed strucker that business stoyes. A chastle of their not like a poor seemed to any their sorters.



Tought to Winnepeated but I won t

 Kress stopped suddenly He backpedaled, shpped on run again. They were ghastly and dusky grange skin *

and no dry and he was in no contribin. But

At of them had his face DO

PLANET STORY

How an army of lizards missed the train

novel by Mary Home politics and the control po

History leveled one alien enclave the train stops on the far side of a simulated London Bridge The commender asserts that no manner of lizardoid greene" will disrupt his penchant for rodding and nating

BLOTONS from the book flame they by Sure and many Harrison (No served in the



 Lasers burned to the accompaniment of shrill alien screams. Depressed by their newest failure, the lizards withdrew





The commender a considered see number of commender to a prevention of insertions or indexing deconocipies be seen. The commender and expected deconocipies of seens in the commender and expected deconocipies of seens. They are deconocipied in the commender of seens in the commender of seens and the commender of seens of seens of the commender of seens of seens of the commender of seens of se

Supertrack cut the lizardoid city exactly in two, which is why the alters had prepared a pointed welcome.





The earn role on to the outsient of whell appears to be the captier of forestinators. Also dry the opportunities is a great spike section for shock their highest the control or earliers. The services captions the first significant production of the control of captions the first sides reach an appearance the bear and go there dry to brand relia from the support capted that is least a model enterly a paging of crusticisms. The superiors proper to according to early from a sign bear of the superior branding to destry from a sign bear of the superior branding to destry from a sign bear of the superior branding to along the sign of the superior branding to along the superior branding to the superior of the superior branding to the superior t



As soon as those lizardoids grab us. they'll nationalize your railroad and you'll follow us through the kitchen

The followiness bod does the sustation of Ab believes with on the con- time in the set of the con- time in the set of the con- time in the set of the con- time in the con- time





'There's a tremendous amount of space travel going on around the universe

When a vehicle arrives

INTERVIEW

1945, a vouno Esquish achonal of seer who had spert World. published a remarkably prescent article in the British journal Wassess Storts. The practic showed in detail how strings, small tencould be used to relay electronic communications around the

world The writer was Arthur C Clarke Thus begin the most remarkable manage of tarriting maginsfor and restatio ac entitic fact in the history of English letters for in his writings, both hodon and noviction. Clarke has been the His books are world renowned, and his writing has earned

synonymous with attempting the impossible

space-and the inner depths of Earth's oceans. the Sky, and The Promise of Space. His science of or novels are farything even better-known eround the vior of Perhaps Clarks s most stunning contribution was his screenbley (with Stanley Ruspace flight, back in the days when shooting for the moon" was longly and novel 2001. A Space Doystey

Clarke now needes in Sr. Lanks, onese he was interviewed. As charmen of the British Interdianetary Society Clarke on exclusively for Ornit by pureats photographer Malcolin Kris.

SELLANKA, MARCH 1979 Oncy. Linderstand you have given up with

Clarke | yout even write a one-sentence Christmas 1982 and all hell will break loose

Clarke Mostly science it stayled with a The Man in the Iron Mask, a line perfor-

than ten years, and it is packing them in Oray Have you ever mended after 2001

Clarke There's a ways talk of doing a firm

Clarke: Well I've apreed the word around

Clarky On the undermater side (by DST)-

Overy What brought you to Sni Lanks in the Clarker Scape prought me to Sr. Lanks, I characteristic of space flight. You aren't

Orner How long ago was that? Clarke This was in the late forces I went to

Clarke Nes stress broken up now And dur-

Contri it seems at good place to find a Clarke I ve prenito a l'hose places i hava

Clessi. Are you need all year at this point? Clarke I haven't been out of the country for

Geser How do you occupy yourself in a

spar the RRC. Then my cay starts about

Clarke. Sometimes they just come or aumay have a 17m show may listen to some Omy Excuse me, what a no Armenya? is that an old P and O (Pagific and Orient)

Green You're not active in the southe civing 1962 as a result of a going injury and I was

Clarke has I am fighting to save the rests

Clarker Well I've aways peen taccinated

the classic case is my story. I Remember Owen No more basing away at the you-

Own: Someone mentioned that you have Clarke: This yideo system here is a

a hereni system anuvey. But I did heve in in 1976 the langes had the same more

 Snace brought me to Sri Lanka) was interested in divina here simoly

because it is the only way of

space flight .

body from the president down game to

Green fall have going to be any follow-up or Clarks: We the sate its was only on loan

stience-fiction magazings. Almost any

Clarke am dying to see Close Broouri

Clarke I was really very impressed. The

Other White size would you like to see in

Clarke: I would like to see a hard-houst

all the time I mean they would mad and

Greek What are your feelings about things Clarkes Well you've put a bunch or different. things regether in general live always been interested in ESP and of course

Orgal How do you think he did #7

Clarke It's getting less and less poen I

Oncy. We we tarked on this top to someone

Clarke When I'm asked the question

Having been through the mil. I'm totally

 We should any be concerned Fither they exist or they don't

a Tyrannosaurus rex loose

I'd verify it quite quickly, same with flying saugers .

lights in the sky mystery (hintes, Vielanou).

Clarks. Lake a for pranted there a a lea going on in recent times. I think it is more

Grow, Have you personally seen any un-

Clarke Well of course Preside to Source his sphere is one. He calls I the mass

Clarke What I have done in fact, allowere

Profiles of the Future, again, I ve updated

changes. And this has proved to be the Geyr. So the future doesn't appear to you

biggest surprise of all was the speed at

Oppor in Rendezvous with Barrie volume-

Clarke When you talk about a break with friend loase Asmos is a city boy He won?

Geen: Yes, but there's this need to listen to

Clarkel Yes And I get the best of both worlds in fact. The surrounded by trees

Crew What do you think of the possibility or Clarke | think that perhaps many of the

Clarke I in sure that numer beings can go

Own Whaticeas do you have apout frying

fool as some of his statements suggest. I

Draw. How do you think we ought to com-

Clarke That was the idea in Close Encoun-

Ores That's right Clarke: I flink flid a wrong because I don't

The biggest surprise was the we got to the moon. Secondbiggest surprise

was the speed at which we left the moon, prohebly not to be back until the end of the century 9

restricted thing Overs How would you do s. yourself? Otto: What kind of information do you fill the

Clarke Well, it is too late. We've sent out so Owen What sort of repercussions do you

milion years exploring it and finding no-

Clarke: They litake over much of the routine

Classifi seem to remember Huxley saying in

Clarke: I don't think broken nei changes in succeed in defting a nitrogen-lixing or-

Clarke No we can never pause You la! (a) have a 51 percent change of survival OC









known Each month Ornal presents the latest stives to predict their impact on the future. The most adventurous and farward-tooking members of the scientific community like Carl Socian Alvin Tottler Buckminster Fuller Steiphen Howking Robert Jostraw and I.J. Good have The magazine of famorrow. Subscribe today

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