



Effect and the Press Tom Weeker

JUNE 1988

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FIRST

♠As events transpere. and controversial questions undependent

decisions about what news pover, and what news isn't 9.

Later Oceanisa Genetiting, President

ought to sit in judgment of the Many

CONTRIBUTORS







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> easy Hoy is not exposing y Shes an expert in primate nonkey sex as practiced by of monkeys—the sacred nonkeys in India. In the process

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COMMUNICATIONS

And on the Eighth Day 11FOs [Antreatie: "LFO Update," March 1988] believable a "mese" wave of His omnipo-

Kathryn Mills

More Power to Tests Tesls 1 March 1938) has left us with some wrong impressions. Note that Tesia dict

ers discharge AC erseine 'After son makele so ression to remote locations, and then miduoing it to a selfe, useble level to drive Myron J. Boyspan

International Testa Society, Inc.

First Word, March 19881 Science will not by letting people what they want to gang find out they have no more prowers but will wind. Then J. Z. Kraght and Ramths.

will have to stictions and think of new

Wise for Her Years

About your story on Superman (Books 1988) I read science fiction, and in my

years old When I was twelve I know I molying adolescents are stupid. Elizabeth Hedgeman

Shh. Boom, Bah E is obvious from reading the article on Groups March 1968) that the researchers

or any other sort of performers. I have certainly hope they did not share the results good cheerleading camp

Of Mice and Men's Salasi In Tapping the Healers Weten (March 1988). Carol Kahn informs us that epiden

kingdom, when a creefure is marred one of the first actions below to to clear the wound by licking. Could this be nature a way of delivering EGF to the site of the insity? With this in mind, the old standby

Ponce City CKDC

SEX AND THE STEGOSAURUS

plate/backed Steposaurus Dimetrodon Diplodocus In our February 1988 issue. divosaur movencks in his piece. Tyrenno-

Copulating dineasure? Even fithe article gators to the prurient element of scapety. fire garniii. My wife in currently reading.

T Wilson good? Perhaps for the dinosaurs, but they no longer mest and couldn't read fithey

White Bon Embleton's paintings were charming. I was disappointed that the article) were not included in the piece.

> A R Morian Ladysmith W

a cartoon of my own. Many thanks it Concerning disposaurs and sex alternatwee-perhaps like samon, eggs were fertilized after herwing been laid. The sempermostile membrane beneath to

haid the contents. In the most works of they led like it. This would result mis static

I was interested in your article because of vanous scientists involved. As I began reading the article it all mede some sort addressed later in the article, immediately papped to mind. What about the steam



Hank a hank of burns love

Manager C Bule

Columbus, Ohio

froos. The males were considerably frenzed moing grows in the water with

Assien Aradon

much fussi was made about them. Invetely bizzard of publicity they spermanently Was their story bena? West those are angles the agentiets feled to mention? It

do and the famales collecting if with

Penetrating stones are interesting, even if Bob Jones

frown-back man ecistary of heat. Now, broads the solves were to hold a thrasher in place

Betty J. DeVines

Talk about compact education and error (dinosaural were some of the critarial expensions before any forbidden fruit a moonlit night under the shadow of a

THE UNTOUCHABLES?



By Mark Teich

n 1983 Habib Apun ia young resident at blood from a teanage louisers is celevrit As he soaled the delicate crystal tube of larget the incident, going on to become Three years later Aouri come down

Connected On Christman Eva of 1985, the results were confirmed. Acur had AICE used intravenous drugs or had a blood

could have instered his bloodstream. The leukerna patient's blood. The huspital held stored symples of the temager's trood petent, the recipient of more than 100. the decase while providing routine care.

AIDS directly from their patients. Consequently many members of the medical requiarly handle blood-have crown

and human rights organizations around

complaints now are against those who

effect as sumply not suspend. To a inflected inforwemous (IV) drug abusers for (AMA) othersity degices this kind of

the dental care unit would work on his

whose condition is within the physicians. refer patients to other physicians, and it who pan provide treatment. We know charmen of the AMA's board of trustees.

anyone. "In many cases before our commission, the doctors never make a nearth as HV (to AGS yeas), they cart.



down to a petient's being passed from an appropriate doctor to one who is less

ARTS

By Judith Bell

A shower of water reflects light is

Wen Ying Tax a cybernelis or "living falls upward-in reaction to viewers

Tsa has concentrated on large-scale

186 - The Living Fourtain is a three-part

water soulphure formed by a most Unwest Fellow Fountiers is a speed of water

Foling Founteer reacts to viewers laughter handdaps and other sounds that also

A graduate of the University of Michael Transport to control of 1953 as a tural firms as Mes van der Parva Water Greekus Euro Saarmen and Skidmore Owens and Merrill Despris a successful

gamer he let The sometang of a resit

begains I was always an orbst ot hear childhood in Chrisi where he studied

they are pleasing to him and delight Winning a John Hay Whaney Opportunty Followship for peinting. The decided in 1963 to devote all his time to art. Soon

Despite the ensuing recognition in the ertesc community he remained disself-

an objects movement, giving the Auson of to my search "Tea says. Engineering

vessing steel or fiberglass rock strobe constant rate, move in different waysunlike those created by the lower-



Develop sods. Wear and Ebyspless macr to the sound of your voice.

PRIMORDIAL BOO7F

EXPLORATIONS

By James I Kilgore

ness of time Scotch whisky flow from the distilenes of modern-clay Scotland, Vel before Scotch legered holds that the dank of choice in

Ingenet of herdforr sin stays Ecliniquighpenon to recover the lost reope at least

in 1983 on the incurtamous Hobrideer

anet Brien Motta; did pollen analyses

heather honey Nacotthic larmore probably. A secont that should stay underground?

Moffa; also identified pollen grans from mendowswest as well as the spores of a

reasonably palatable if would be raute

yadeonal foods such as shortbread on an longinal recipe might be a natural

yeases in the brew converted sugars from

The first lot we got was awful "says. Weakram-Jones They put in foo much

Glankstitch has no plans to market

Height prchaeologists were only too happy to comply I says Wolfham-

what may have been the first Stone Age hytopyer ri mAerrea CO

COMFT RELIEF

STARS

By Bandall Black

sings our solar eyerem tregen shose the elements of the human body "says

nomets may have added the vital sussion

the particles that make up the cornels may years NASIA and the European Space lend on a cornet and snetch a sample of a

Sample Return (CNSR) would be launched target cornel. The craft would probably

fest survey the comot from a long distance sending tolescopic images of a

One or more mackes would be

would land on the cornet and plunge a be sent to the mother craft, which would

rush it to Earth orbit for presiyes aboard a space station or return the particle to Or enother plan. Using explosive

charges the mother draft toolf would meter into its surface to extract a sample of pristing spe. The cost? A cool \$1 trillion relation, acceptate consider the preside wol worth the investment. The EEA has already designated the correl-correlleresum mission as one of four mandatory.

System Exploration Committee has sixo and has given it high priority first however NASA prefers a loss ambitious and less costly mission called the Cornet Rendez-

The CRAF craft would observe the eso the cornet's surface and perform on It might be physically possible to do a

if would be much reliair and probably arrat sheen unknowns by losting the the chilling, sumpling, and return meson.

While some accenteds wish only to uncover the secrets of our solar systems read infrare predict that corrects-Which are actually large, mobile mines -- could parecle res materials for space colonization. Could travelers land on Highov's Comet when it returns to our solar system. in 2051 bipping its precious stores of partion, water, and other volatiles for use by a space colony? If so, they will have less for who have out their disease of missions to corners into action today DO



OSI WOKID

EARTH

By Bill Lawren

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us had ever soon anywhere, says on of he aget Breah scenters (and one speluriter) who knew before they begfast purnsy that such a wat led sook awahed them.

stwalnot train. There delented bagger when Phil Chapterian is accluded at the City Melescen and Art Gelley of Bessit. England, mad as Trench survey report blood Anvacros, an scislated. 150 appliesment in January preserve in northern Modagassor. The report described stringer dark forests all we wish hugo coverns subterminan crocodities and commonstrated string for the and commonstrated stringer. bors to Venouvelo Howas. New Guinos, and Borman Chapman contested Jane Wison a Bhishi physician and boologial with a division the area five years center Wison told him that despan he Medagascar government is obself-colon of the area as prosone it was dorn; nothing to enture as surrows. Open gramp turning illegal catch stricking, and wisload logging wine destroying the obtain object of vincinian as what.

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being them as the weather chase up. In seek effects in the cool was clarkness of the Ankarana cawas. The debress is closestess of the camer make the crook days assum that much legitimms, by your beat the common to the cool by your beat the common to prought of nourthing a band and under this ball of cooling is to the cool of the cool of the cool took mis while to get over my term. In the end though the cross samed to the cool of the cool to the cool of the cool of the cool to the cool of the cool of the cool to the cool of the cool of the cool to the cool of the cool of the cool to the cool of the cool of the cool to the cool of the cool of the cool to the cool of the cool of the cool the cool of the cool of the cool the cool of the cool of the cool the cool of the cool the cool of the cool the cool of the cool of the cool the cool of the cool the cool of the cool of

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away in the end. Fowler says, the sell



Clint sive species survive if the Arbanine is laft opin to shigh and burn larring?

22 DAM



CONTINUUM

YOUR HEAD IS LINDER ARREST

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presed to mean just about anything, leading some travyers brand the extre suncernistrationship visque. The Analogs Act was manded to comber "designer" disconstructed by sporedowed chemies to be signly dissent for larger substances in their chemical structure. And hence gas flower designer substances have in fact proved diseably. If a contact half the extre all rest have present and the con-

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Bruce Earer is a psychologist and the author of Ecitary. The MDMA Story, to be published the fall by Ronin Publishing.

A BAT?

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A long hands have come upone we remains only brane you has a computer directed free



CONTINUUM



When they stopped farminnew air moved in.

Southwell likens the paren to the sehalation and inhalation that cherecterize the breeding of individual enfotogram and notice that one "hinsafting" sloves down models in seath the seath

one "invading" slows does on optis on such the some way that it a man breathing does not superior sanerre. He eavys: "But this beauting is one of a numb of group responses that were to re-does that have been colonice do act as an argains of the colonice."

SPACE SHRINKS

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on man imponential they well have to go along to go along. The problems that we don't know what psycholic cail mix of people will work beet together during long term word development. The whole come confinement. The wife has been done is Earl bound, tays home and record for a fire submission and darks studies. The submission and darks studies. The submission and darks studies.

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W ANTIBALD UG

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operation better better

sessed on 1,000 beforing im Says Merkly "The result of the hall will not be use marketing these products as no thesepoutic cleams in be made because formula containing Zornson are products for the her aind is be marketed as cosmootic.

To America one chockmaster is worth a been poets, and the reason of a mechine or the government of an implement of more importance. If you messaggiese of Rephan'

-- Berganin Flaskit

The average men who doe
not know what to its with
his life, wants another one
which will last forevor?

-- Anglide France

Q test all of Whorsen indication would presumed; unit if —Stanley Gen





INE AND FAST









Your learn more ages to cheed



ARTICLE

Curious, sensitive, and quick to comprehend, the computer of the future possesses

the vision and virtue of a six-year-old **BRAIN TRUSTS**

our years old its full of promise posour years old its ful of promise pos-cessing the potential for deep intelligence it knows who Napoleon Bonsnerte was can describe the port city of Algebra encounter some insurmountable barrier it will work in mechaniserring. Critical by lar his most Or so its creator Enty-eight-year-old Doug fact, if a poli were token of Al researchers if might well be yould the project least likely to loan new knowledge as humans do Then stars. Lares the door will be open for such fusuration

PAINTING BY KEN JOUDBEY

guisser and more outspoken waterds of AI a research lives creating bumps on legs." Although he won accoracies early in his pamer for it will work. If it does however the payoff will change the field of arthold intelligence forever artificial intelligence gury Marvin Minsky 1 think

that people would call aman

At heart CYC is the guirtespertial isonutly remost a term used in Al to describe quicktheory is set aude in the interest of custing semething practical done in true scrully trad-Clon I waste time theorying about why it can't

group Microelectronics and Computer Technology Corporation (MCC) is consor-1962 to help American compenies compose with Japan's 18th generation project push to create arthropily intelligent mareverpement for impossible high-risk reat a project to which the corporation will have aforated \$25 miles by 1994 will

an exercise and intecate database of warehouse of general knowledge for comyear old Chevy with reddish rust spots on net system looks for certain key worth

method in the road diogging up progress. case minares and even when you take it rite a different room to play with it gren. Lernet and two other MCC researchnewspepers, measurines, and encyclope-

day picking pertences or pairs of sen-The first two sentences programmed into to input The sentences were Napoleon

statements meant. Lengt and his associ-AL OWN

peror and commander who had fought person dea he or she stars dead, sad raid was that his old archivel where he

Of course they also had to define such concepts as war life and death as well as doath were printed in the newspapars in

Today these and more than 500,000 other pieces of information are part of Lengt and his colleagues colebrated a

41 and foregoes wastwatch-size personal provide users on the go with advice and

information on averything decisions to train achedules ?

fundamental concepts were contained in delined in terms of what the system of ready knew this said of hevery to construct relation to other terms. Lenst can enter calc case (or reample) of the category darly Carbiter can be defined as a specific

tists. It makes it look like he's definitely on

1996) Lightly therks the first commercial uses

for CFC self-emerge." Developers of expert systems" says Lenat, "will convect they common sense sust as humans do when services, interpret the riews, and figure out differential be passattes. Then not obtain

how to handle the emergency Lunal's supersystem might also be brain trust. By Irriving CYC to the grab beg.

gouvalors of a roomful of experts. It could perment in cancer research or succeed alyou peddle from one island to another

around the end of the Nineten is a sort of Desk-top computers with orn glastytes of memory will store CYC and also be hooked to cultural inconforage systems in leke-

The prospect of applying CYC to education eaches Larrie "Public education" he sess 's predicated on the assumption that hase reached what Locat only a semantic ing of the subject matter. That ought to charge in the next generation. Students

> By the second decade of the next consary Lend toresees wistwatch-size "perthe watch would contain some memory it any transceiver in it would use racks waves part. The watch could asset in business donesions list town actividuals and evalua personal profile of its owner thus keep

Lord timels the weath could some as a world in most above the highing you to make and of most above the highing you to make the weath of the high some the same dome in execution to use the first the water table is \$50 too low Should you are; the waster or only the amount is welfer? "Surprisonal companion says Lenar week waster or only the amount so welfer?" Surprisonal companion says Lenar well to the same of the same of the target error accounts of both courses of the same of the same of the 50m-10yus 10 the resistant, to the water to the table of descriptions of the too the table of the same of the profile the adverse sould home white law profile the adverse sould home white law of little is to 10 little 100 by our subscription to 10 little 100 by our 10 little 1

surjection and the control of the sales of the control of the cont

wouldn't se you was no ou it was not her you a cleare you do you gopen and her possible outdomes. Has this personal companies would be prouter but soon man it is probable to mease the could call out to remember anything. It could become it autograph for your yearpance cather than an arrigider.

All reconstitutes shown in the inclusing senabit They take a formated or these less approach to incologist machines, argung that if is impossible to build a general knowledge base until the underlying system for representing complex compage like time space, and causalify is worked out. The only way to do that they believe is by developing a logic based language-forercoding informacion file will care less the encoding informacion file will care less the

Theoretical foundation for a Lensi-like knowledge bank.

CYC may understand the sentences.

Napation diast on St. Helens Wellington was saddered But If you related CYC in Napoteon knew of Wellingtons cleath. If don't liknow in aurulia from it may be fugare that out, explains Stanford's John Mo-

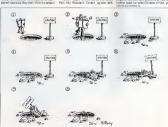
Napodeon Inverw of Welvingston count in door linew of it would know how to legue that our explains Statistical John Mocelly a bounding there of M. Like other county in the statistic statistic statistics and way to back an explain at the port machine is stock when the statistic statistic statistics are statistical explain and produced by the statistic statistics and integration could be occurred to ded list that the poleon county in the statistic statistics and integration could be occurred to ded list that the poleon county in the statistic statistics and the statistic statistics and the statistics and the beautiful statistics and the statistics and the last of the statistics and the st

Patrick Hayes a sciential at the Xerox Palo Alto Research Center, agrees with McCarty, Hayes schrowinges that Limit is an accomplished facilities and gives in mortal for learny a color of a cut-in a ratiocreate for learny a color of a cut-in a ratioseps. I don't want to count to color to cause I'm get all softwares doing it." But Heyes believes that as Limit times to section the more off-bill aspects of such concepts as scace or time to spran in single to be above. At the increase, the limit to backles At the increase, the limit to backles and the color of that Lierd recountries a contract, there were the adds underly defined on in the were the adds underly defined on in the

skely to backler. At the moment, went Levisi encountries a ceromone that requires a world or concept to be defined in a new way has add another definition on to the executing once Hayes precises that those adhoc alterations well-executing the contries of the control of the control of the point of before most before business to provide the process before business a compatibility of the processes framewhat the layer of the compatibility of the religion of the control of the processes in the religion of the control of the control of the religion of the compatibility of the religion of the compatibility of the religion will be compatible to consider they are considered to the control of control o

tel gende wil sameday the obtable thay just that Lend e putting the operated can before the horse Other critics argue that before the horse Other critics argue that company organism to matter few suprisologoed will never be able to matching scale a prisologie at the University of California or theretoe decortees the prototies with the said of virillagent complains using the new farmous analogy of the Chi-Suppose Bearle says. Afray you are Suppose Bearle says, Afray you are

Suppose. Searle says. that you are locked in a room and are given a pile of pepers filed with Chinese witing. You can reather read nor write Chinese, in fact, you occervation made.



FICTION

An odd little man and an unhappy child journey into the fantastic realm of double blank and soul in roa

THE DOMINO MASTER

BY MICHAEL BLUMLEIN

I first met Jake the mote my My mother was drunk, too. head with a bottle Hashair get at the end of the half over his face and eyes She "You're the right size I'm sure creamed, and I got scared. you know" His shook his head She ran to help him, and I ran You'd think a can would Ex-

When I got to the stars I stopped I want supposed to know he knows Maybe he just can't do anything about it About what, Mister? and stonged on the first stern When nothing happened, I once He had whisters and mused-up gray har on the sides of his head. The too was completely held ing cst, black and white, with the longest for i'd ever seen. It *Come in and see for your-celf See what you think. Then

the stars. The door stayed open, and suddenly a face ap-presed in the crack. It had oldlooking eyes and bushy eye-brows, but it wasn't much higher fissn a kid "Stund out," it said, "You'd think he'd know by now." The eyes turned on me "Wouldn't

He disappeared, and the door opened wider Everythere made looked pramps Some kind of song was play-ing, but I couldn't hear exactly what I look a step toward the door, then stopped I listened The artis go marching one simple. You know as well as I by one, humah, humah. The do what that call did. Would you ants on marchine one by one in that on your cure

I stared at him. I clidn't know human, human. The lasts go what he was taking stream, and besides. I wasn't supposed to one stopes to have some tak to shanges liteposity not of the was the man who ked acheoland went ready to her. "Now know," he knot on a rug made the cloor, storing scary to me in fact, he

'Maybe he's just too old I seemed kind of sad I went over, but when I get closs he put out a hand 'Holds' he said "toudon! want to step in it. He shook Liceled down It was dark but not ton dark to see the steer

> "In Fall & Moray? tinke the said. to feel of Master Inter? In that what your cat did? 'Not my cat. Not mine Sometimes I was it were, but

of course, it isn't Can't be



6 He had on dark pants, a matching jacket, and shrry black shoes He wore a bow te, which i'd only seen old men wear He looked Was a picture of a guy i'd seen once in a museum.

I stated at him a little scaned but not too scened, and shook my head. "Oil course you wouldn't You've got mannons" "Sometimes I wat my bed."

"Of ocurse you do Some sines I do, too But not the rug. Not that Bluped cast." "Naybe it clich t mean to. Maybe it was just a mession." He opened his mouth to say something but then shut a few words and thanks.

"You're very wise, my hend I was a missile, that's he sad part." "My name is Johany."

When you well the bed, it's a part of growing up. When we do it's a sign of growing down? He as he langers through the bunches of her above his ears. Thor call.

"Thinks you dean it up."

know how.

"Do you?" That peried him up. "By all means: then holp."
I need some sait.

He pushed himself up and left the noom. In a murulu he cares bed were not did place all with the latters NoCI written across the

"This is it?"
"From the Dead Sea Ideal! John I may call you that if I may May
P" I shringged and pound the earlion he epot. Pretty soon if got called up and the yellow began to shraw thecup, to oppose, and called up and the yellow began to shraw thecup, to oppose, and more By the time I finished, nearly the whole prives gone.
"Your mosts to handly bid may construct," I may full all discusses."

selecting, and the yellow bogse to shrow thickings, so i pourso out, more By the third I findfield, noticy the whole privale gone. "You're guite in hearth, fellow man, swen't you?" I must fell Ansenso out male the woold want to know!"
"Whose the?"
"Altide hearts I mayors would freed him, or refilled this host suit.

yournest softness. I so git to gits! I (great document he laws seemed larmanch for gitt document with less garden in extract seemed larmanch for gitt document with less garden in letteral to sing. The extra gar meetings one by one, learnest, savarin the acts garden garden great garden garden garden garden garden for any gitt garden gard



wated for something to happen Whan nothing and cloocadd to bolk abound.

After it is converted last to week happing all over the place, from the walls and a bloo, and, even over the backs of other. There was floor, and boxes over the some of the converted floor, and boxes over the production of the converted where I happing when a many wasted do if my soom over looked see that the the because it dicht wert to indeed i looked at his boxes.

detail (leave) of the books

All of home who bigs paid

Johny, all And of the same

Johny, all And of the same

Johny, all And of the same

Johnson body to be the

Johnson body to be the

Johnson body to be the

Johnson body and the

Johnson body and

Johnson body

only field the face of a vicenari with long hiss, kind of like a get I knew from eithed. And these were a dragen on the box, and a text litting up out of a log lite. I liked following at it, but abor it seemed speed to have animated that vicenari mostly animates. So I stopped locking and work to another box. This or was believe and bright liftedhed on and off like the police.

lights when they run than servin. I wanted to open it, but I couldn't ligure out how \$0) possed it to \$500 mill shings satisfied medis, which econed me Real feet I put it down and wellood ways I didn't werk take to know that I over blachout a Lucky has eyes were still obsect I couldn't let if he was sideep or awake, and I went ower to see The room was so crowded that by misster but more of the toom was so crowded that by misster but more of the toom was so

hend Josy's brithmark on his face. It was so black it seemed like it wasn't even free; like a hole or samething it such out my hard to see if it was not, and then all of a suddent-older water up. Don't touch that it he see!

I gethed my hand back and looked at him.

I gethad my hand back and looked at him.
"Good boy. He teaned over and snatched the box away stuffing it behind one of the pillows.

ing it behind one of the palows.

How about some milk? Life boys like milk.

I shock my head. I gotte go home.

Of course you do How could be no always? Your parents must

be wormed." He serviced and reached into one of his pockets. His field out something in his hand.





I nocided and showed him. Then I turned

cept their after that make my man mayed which was even smaller than ours. After a while Ginny and that we had to leave in okay but after a while I get tend of her

fold Joe not to tell and the other guys wasted a doctrivino refiner 2 was almost to

eves and leaned against the door I hadoor And all of a sudden Hound my-

14 I sad when I saw him and he waved

had to move his loand again. He kept have: The old clothes and paper and prayons?" he got the pipe smoking, but then the match .

down the house. Give me a hand, sell you?" I held pre-out-shand I mean-and he doubledy already made a big mass."

haven I you?

I did what he told me, and he began to then he took the pipe out of his mouth and blew out the metch

1 position that "I seed guffs. Then he took the match and began

nature in to between his tirger and thumb He stopped, and in a second if burst into flame I stared. It was such a great trick that I forced about blowing the motoh out Aust helpen it bussed his largers. I remom-

"I didn't do anything. Meder Jake. Honest I didnt

"Of pourse you didn't And it's just Jakes" Arseno has. Or is. He should be just about . sicks firmled " Below I could ask who Arsono was a last came wolkers into the morn. He was smaller than me and looked not: the surpseed me I was about to ask fam whose were a grown-up. He was slicked down shoes that were as show as his heir. To top

street wear. He looked like a picture of a out Pit seen once in a museum, except he He came over folded his arm in front Way pleased to meet you Lolder's know what in do, so I shook if it.

I did as you suggested. The set is nearly oppe but the spot. I there us out Then it is you I should thank the said.

Something that medit me think lid sean him said 'Uudith's the other Where is she hid-Total bar in the object. The one with all

linke notified and puffed on his pipe. Why chall you intend use labe to her? "Id use pyrotechnics, but I might burn - made I would have got a whipping. He Go on Jake said

I can see that but you must She's un-

like toward as if the question didn't make any sense at all. He pulled on his out! The stuff in the bowl obwed sed, and loope. Then lay back on the rollows and stand of violation Assembled then I followed him put of the morn into a half

sait and made sure I clidn't step in it. His atropped at one of the doors and streighther with his hends. He was stalling, and I

'Apartment 206 With my moment dad to the one we had just walked down

You mean here? You live with Joke?" She saw double She lives on the other

Which one is your room? He ported to the crange one, which simped inside I took a step in and alopped The place was a total mess in back under

Arsenio didn'i waste a minute. He urround through the boose and clothes and was stuck and pulled if out Then he structferred up and freed his bow to

She was already wearing a dress and found some social all different colors, and

Not only glid he book furnity but he talked and she looked at homelf word remind. Then Wyname's Judith She gave me a red one then a green

Want a sock?



People are truing



 Like a gentle breath from beaven. perfumes are an alluring lease that impars in the mind long after the blossom tades ?







Isled for spap consumption 1 seems to be dwinding funiosa you guish my own week-old fragrance awarders. A stranger can leave a is getting daring, notably with the trend of naming offictory psycholic behaviors, and deadly

substances and having them

geddied by the Fightes sale

dumping kegs of perfume in

Incerna odor brirana a smile special who wore the same galagne Most manufactured fragrances were familier with try to capture flature's elusive scents Perfumes have been around with and they enriched the

their poor hygiene. This assumpweddings it has been reported Previous pegas. A rest rose and a

perfumes in desperation if so W.C. Fields ded an unterpred perfume is a revalistic part of the pecome our agritture or a saving five, whose roots are used in making grace should we have no hot water in the morning DO



多ロロヤ

The AMA has avoided addressing the

box client representative for the Gay Morre

hospital merely pulis up a smoke screen to

where doctors are legally prohibited from returing patients. In government-spon-

Charleston John had been going to the university's pain clinic because of back and scheduled John for immediate by

staff psychiatrist John had been seeing test came out positive the surpeon reaffiliated with a public hospital in Charles gron, so he was effectively prevented from

John with a lawyor, Edmund Robinson, Who cation. The ACLU suggested, however, that to the AMA rule white moletyme its bycess. surgeon "westled with his conscience" and

contar some risk of infection, especially arese over determining the level of the risk infection among health care workers re-ADS patients. For its part the CDC states that health care workers should be pro-

ported infected by a patient thus for. published papers on AIDS says that kile

cashes carry their own rules. During orbe highly naivy." Bleggi stays

Should an IV drug abuser with end-stage lds? What about someone like John, who

The areasy population to AIDS advocates as well as the majority of health professionals in that clockors strautch? be the health and life of every patient, and so sustily surking that creed. As Molly Cooks, pital, puts it, empathy for the risks incurred by sungeons and other doctors is not mis paced "But until their argument that the rather than on perception, she was. benefit to a petient should be dened. OC





ARTICLE

A cross between moves and intense waking dreams, these reverses recall the land of

FANTASIA

BY JESSICA MAXWELL

There's a light. A purple light. It's like an ausa I see rocks If looks like a gavern. There are rocks ruting up from million spikes are handing down from bats at all. They re almost human. With wrigs. me. They pass me by as if they don't see me. One just flew RIGHT THROUGH ME. Rick Tomascowski is a twenty-two-yearhas been able to conure up remarkably ywd could magine myself going wherever I wanted to go The says. It let as shough personality is released in a page of the paychological term that a used to describe someone waking hours in fantasy While most of us maintain fleeting fantsspend in fantasy. Many pass whole weekends lost in elaborate deeply plotted stones of their own design

The tentespectro constitute a small group price percent of the position and most of them becomed the position and most of them bearing all the sale that the plant Many-land the fortunes free Mongoresies crosses are different form the occasional disynderism common to us at Their ward reverses—past move at the sale that the

PAINTING BY DI-MACCIO

.....

He in ancient Egypt or adventures on an alten world. One person reported a deof King Louis XIV. Another spun a closk and-dagger tale in the form of a mental

terzed by Josephire Hillpard's ground-1965 through 1979, in an effort to divisormine the makeup of a good taypnote subect. Hilderd interviewed hundreds of peo-

penerces, dramatic arts, reading and rewords, people who were easy to hypnotize In the early Bightes, Boston psycholocests Shervi C. Welson and Theodose 3

considered to be excellent hyprotic subects. With one exception. Barber rehad profound fantary lives. They would Wison and Berber were the fret to reci ograze farrigov proce people as a true

aicha were seen by other researchers senary," states One University psychologist Lynn contends that Barber and Wilson

failed to use controls or to retablish obsec-Further research was needed to deter

sonalty lype. And so, years ago that's sed diff W. Rhan is psychologist at Ohio University's College of Osteopathic Medicine. male college students identifying 156 as of us. Others had extraordinary sensory

skills-ecree for cretarios could reach or most fantavy-prore people are minturely world. Moreover, as many as 25 percent of it rooted in violent beatings and other

rational ratio of abused and neglected children a one in five)

people do not differ aready from the poputation at large. Heavy fartasizers are di-1988 American Psychologist. If one conality type ... As we progressed, we were remainingly improved by the deepery exhibited by the fartastrers we studied: conclude a not farteey life amounts to a

sort of health insurance from inner space

Meere is a diviner, a gypsy type, and she feels she could make her way reading people.

She wants to go north and make her fortune there, becoming the primary wife of a vertord

positive thing that defentely contributes to ng his "meditation" Newscays he uses if

to counteract sites a for deep releasables. and just to maintain a positive attitude. Its maly helps, he says. When I'm done I'm a Who brest that I feet so neget Negturn you To better understand world class for of the of to to create a fartasy and take us slorg. The larrasspace below are as di-

a writer and two students. One is sower agree with Charlotte Bronse, Heviruse a BAIL JORDAN CARRED S PEOPLE

Tim in the eastern Oregon desert. It's · right. There's no one around, and (miss) passing its pretty devolute. The word is I've come to create my own anthropologcal rate a powate art project. I kneel in the a predateonest pattern. As I get down the earth over the last one feeling very pleased with myself, i notice strange shapes in my perpheral vesion. Then I black out

This is the beginning of the latest incarnation of a fartney that has been evolving all of Gail Jordan's actual Me Jordan is a posite librarian. She is also an artist. "I have a degree in arthropologic and I have an struct previous amfacts out of high-teich

Like her art. Joscian's current tartasy is a premiultrepostrutative hybrid "When I thally come to: she says, "I find that I m walking through a forcet it's very worm.

"I'm trying to prece things together I have

mangied alien body it seemed very unnaturally conforted, even for # It seemed head, vary ugly, pale it was very damaged and I'm sure it was dead. I felt re-"I have no stee whose I am I'm ox-

triamaly descripted I walk into a cleaning Those are people there. There is a big flurry of extinty and theyre speaking a language that I don't recognize as anything Trurns out that i've come across a form held, and these are tarm workers with

like a forced-labor sort of social structure. almost the a stone society and in fact it "I do not know the language and they

treat me like an latet. I'm marse to labor with them, and they give me the simpler tasks to do. When have election areal hardens

Thereis a woman in the group who starts helong me with the language. I'm not sure

the rudments of the language down we

Wears has real dark brown heir with liery highlights, and also has bright grange mens I approprie her friendship, but I get the feeling that this isn't totally altrustic on her part. Lask her all lends of questions, trying to floure out where I am, what's north of here, south of here, what her people are months. Mosso comes up to me and sour When you go, I'll help you. Then she hills here," she says. "You're not going to stay here long, and I want to go with you when you on! Well why don't you sust no yourthat my differences are her toket out of

in the woods--it's obvious by some of the Meere thinks that a group of people who Eve to the north would be interested in cut a whole plan. She's a dwiner, a gypsy way reading people toling them their futures. She wants to go north, make her torlandowner, maybe become the primary

Task why she doesn't just op to the north and find a man them, and she washs out bud. People in the north are very ugly. she says. Not only that, but never never thers been fruitly. Sometimes rulers will alian therroelvos and exchange daugh-

Task Meers why she considers from ac they all seem old. And lask her why lishould on north, and she tells me that their social here because you're uply, she says. And your guick learning will do you no poort flings. They'll like you." I gather that there ugly trwing that you are," Meens seems to be

saving, you I not be happy here so you might as well on north! She saws that I should let the people up north think that I act stured" she says. When you don't upcleratend something, act mysterious Finally we make our escape and start travelors north Meson is north I med her ous Some that she can get make me mildly or purple, though there's one that I espepaily like that's sort of a polden prende it meto, and it's very sweet-a bit like a melon

Some of the other things Meere finds are good. But one fruit in particular tastes absolutely ratten to me. The thought of it touch it. Meere catches lish in one of the West we pass and oppies it over a line. It looks like a dark gray carp, and when I try

to est it i get violently it. But we manage, We're walking, moving ple live. It's starting to become rolling hills with little lakes now it tooks very much like

The weather has started to change it seems to nam more now---in fact is remain

area Meere says write no longer in her peoples region like says well probably meet up with people from the northern group. We want know their language. Just While were walking, the area gets a kite more rocky. The fulls are a little more people If looks lies a scouling military perty. They look like medieval wemons to ma-without the across They so all monand they're taller and thirner then Meere's



people. They have long que heir theyes paid and they have gree yee. But loon tank they'ne ugy, through can eye way. More would fine they wee.—her people are guiden and wern, feetly looining, afroid. These peoples are during, afroid. These proofs are during, afroid. These proofs are paid, but if it is had of an independ shall be comparing. They were seen to be set who east they are the are they are they are they

The leader of the group is named Cared He hnore Merce tryuge or a can communicate with firm I have sympatised to escapees from the stove plants bors of the south He finite he can find work to us in his household. Caiwad a not overly introduced in us, and have notice overly introduced in us, and have say I don't have before Wees ethics in say I don't have before Wees ethics in say I don't have before Wees ethics in the say I don't have the

a don't acchiere on clori glance. "Were geing back to his home base, a which is kind of a castal. Cancel is like a gooderman farmer. As were wisking, I ask him about his loosely. It turns cut to be accreained and where documbed. These are bearing quality. There are bearing quality. The area of these presents with a shall be are also also be a common to the property of manufacturing that it might be able to a common to the property of the area of the property of the area of th

Pails or is very important to three professors are set sufficient to provide the professors are set sufficient production. They were a same all establishing and any industry—list firstly in list but faithful production. They're agraphates, but the guide trees to do with subting. It is taken and they are the name statted flourishing there are contains of subtines. They are an enhancing guide and weatering. They are an enhancing of the subtines are subtiness. If subtiness with other parts of their world. If saling with other parts of their world.

If sall have no also where I am I a section could offer the parts of their are subtiness.

kind of ponancin and that there are differant kinds of people to the east. I get a broader was of this world from Cared than from Meene

Clased is part of the nobility. He sales me quedered to by to figure out if he has come across any stones of my poople in the has come across any stones of my poople in the stravets and is know he hashly, but in being points One eight last ten Inaday doth time. In both only where he boot. Hob very shoughthulb de doein says swriting it don't know how to fail from that my poople door the book who is fail from that my poople when the property of the property of

elichen it is in communal letchen and its lags and story. The workers and the ning Bersly all est toppther in a large half. There is it is of potato period growing between the processor workers and the ning between the processor work of the p

in their filter—If that is comparable Whitein their curt. There are a custic of peoplerecording what being seed They're will in gin stiff, which white citch, and they're writing who a kind of in pin. It books The life staffed out of a need that has a portiwin seed to be a belled close—a whate-mainted until the a belled close—a water-mainted word because in its or farm.

within resistant word because it's to namy if Both man and women are weering a potes and orderess and marities that fall accessing both man and the strength of the strength o

they to weating books made out of some they to weating books made out of some kind of armine sten. Some of the outer mantipe and outer middle to the control of the The long and queen jud seven to hisse time-guality cicting. And they he wairing pwolf; which lends to be fat stones that

peofic, which lends to be lat stores that may be ubser a spathwer or now. They is activity quite levely from an edite let of portion people to the people store that the store of the store

definition that it must extend that projects it may be ask mad if in accomplished with a gloup they call the wazards. They have their cown waindering were mere, but them appears to buwithin the last hundred years or bo, a new group who altern to be from the sines. I saidwraft they lock like, and the liking described backedy the way I recall the dead liken looking, so I fill really refeasibled. This king laste and feat the normal one—

displang, soil in reality rebeashed.

This king lollow this This has most one—
probably about the years ago—and the
creature seemed to be, wary nappedful of
the king position with his pecyte. This alone
watered seemed to see the
best of the own gather information, and he porthaped histoel as a combetter on emohater and ambessador. The
limit seed he ween't opposed but while!

Think book in The allow yeard loft, and the

That the large has three I was about to his salared by one of those abon wazerds out I readly defin't show exactly how and I defin't here we have I was going to that the I was a three I was going to the I was a three I was going to the I was a three I was a three I was a three common of barring. I cost for learning the briggage most and of three I was a three and but of the I was a departure and with one bocause. Home was optimal color when the I was a departure on the I was have a side of these and I have three I was very introduced in expending the ceromic cleasuring. That have a spent in yelling year.

very interdized in expanding the certified clienting. These have spent in yellist year. One day in my audience with the king breeds an idean here. The allow store suger leves chosen—I say stolen—as one of the allest arribassabors. The allow water time to go back to the phere for framing, which is what was supposed to happen in the hot place but there was some sort of accordent and the allow who solet me format desert was the place.

The alters have ambassador schools



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afta
Sport Talc

sion imitated by shaving afta. After Shawe Skin Conditioner brings sociting relief Now is comed at new SPORT TALC sount as well as Regular and

afta.





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Tools of the trade: The computer is the ertist's polette for the next contary and the mathematician's device to set his fency free. Whatever the medium, the art was created by man, not by machine

os the answer less in the

reght make a rough charces sketch on his convax Like most artists, he's hestarit to reveal his secrets, saying only that his he linds an appealing section of manquistons of the equations - the graph, he expands upon it. are unough but founded on a then "parts" with his computer

allor mathematical? Who similar promise as fractals. Yet ws what may be lurking in unlike fractals—the umbrella that much art has latter underthese images have a greater vanety than the soll-replicating date I once bodi with which two seemingly contradictory a microscope, peering deeper elements—mathematics and and design and ordinging the art—to produce the works above on fledo popular and compart control, by wit works algobes opinion with partitions and personaments, the first fledo and the control partition and personaments, the for the original counter. An extra the partition, original counter, partition and personaments, partition and personaments, partition and personaments, partition and personaments. There's a partition and personaments partition and personaments partition and personaments. There's a partition and personaments partition and personaments produced the produced produced the produced produced the produced error You can't product what's going to happen before com-putation and examination." Grace

palette, which consists of some accompanying text! No com-15 milion color variations. Ev. medis, nicose i Evens costs. are has made more than 1,300 use on the thought of compictures, having spent in ex-cess of 900 hours working with sangination. "Remember what happened to art as a conse-The computer is a new art medium, one to the tweety-first had to rethink their rale in the confury replacing the breath and world A whole class of things palette. Yet there's a reluctance. they'd done, that of recording to accord those pictures as art. was taken from them, mecha-New mathods most more office - mixed. The flowering of Impreswith resistance than acceptsonism, one of the most vital array Exarts lee's objections are periods of art. Lose as a conappliance of photography. He

year. Through his work, essib-

Math and purriers however

born to a new body

fiedax mamage between the

infultive and the analytical. "My

I have a machine that can do

fast" I'd be distarted" (Theris



- We are discovering the
- science of chees-of the instability inherent in simple formulas-and





the Biblie we have the Book of Numbers and other agenticant references, like the Devil's tell-tale 666 Lowis Carroll wove Wonderland The field of ma-

management in the sea of the management into the occult significance of numbers and the predictions of things to come. and most of us have a toyorte number or a lucky senes to water a weekly dollar on (mine roughout the ages, these two artworks, not mine) promises to it takes more than a quick dimpse to fully understand the

At first glance one can appre-









upon reflection a mystical, readfures seems to coll your attention back to them This past February an Esterno sharrien in ple's art and outure. He became fascinated with the Evenses' business card that by on the deak Captured by the

plan his interest "There's something in this that shows the teach our chidren-it repre-

Further intoqued by the Evenses company name, Imahis feeling that the pacture was





Mathematicians long ogo sensed the complexity of basic equations, but these experts lucked the capability to explore them. The field teek off in the early Sixties, th computers and sticated grophics



magacsi, and additional proof ble relating to math, we feel our that the gods, the soints, are in ... videos will help them overcome. everything-even technology their arosity by seeing someiso be good for goodness' sake). Ithing wonderful created by An equitable Boeni Evans re-math, Portsos at a nerve nocals, "Of all the original nativo art the committee and the chief art the committee and the chief lods to understand how objects could have chosen, they left a lod sub-great beauty on fell out since of our compateneeses of structly mathematical popular cient culture!" The art cookings

sored taste or age group. Nor is it hitsted to acethetics The most important thing to the Eventies nuttinger (besides is producing a video as a leachno aid for students. For years coople have been treating computers and technology as a zame thing is, this been there

dures." Other projects that Ken and Bornt Evans are working on include e museum exhibit. where some of the pieces will be made into holograms and name will be animeted (if takes some 1440 frames to make one

moute of arresphont in addition piving their art to logos, lewelry, and business costs. The biscary science thing that only all along," says Ken Evons. "We just never tripped over it betana"--- Nina Guccione CO

BRAIN

may not own recognize the characters as batch of papers tilled with Chinese writing and a set of rules (written in English) sograms with the latter set. After learning the rules for correlating the two sets of formal proficient that netive Chinese speakers in English Because this is your native lancustom you do no flawlessely.

Trom the point of view of someone reading (your l'answors l'explairs Searle in the Chinese case unlike the English far as the Chinese is concerned (you) simply before like a computer. Drug perform

As loso as you arrower the Chinese gues Segrie, you cannot be said to truly

long as computers are unconscious of the cannot be said to be truly intelligent. Indeed Lenet believes Al systems can be level that we need to crack-most of the shapes structures held country was be the smartest machine out there. The formalists are trying to figure out the laws of physics," Lenat explains. "I'm

Lengt understands the risks involved in

atversion a project as difficult as CVC

But he believes that any career in science

is 'a series of bets. We're betting our

ives-sust as surely as if they were aliens

designed into a 35mm camera. Yet, it's so

small as fight anguar to our of can be held

have attained—and expended—the level antidote to loneliness and perhaps our alternative to marriage

chine and biological combinations" says Neison Otto Tormerly of Anticipators Sciences a consulting firm that special uses in technology hences showed farking ships "A robot as a compenion A robot as a best freed. A robot is a lover. These are minds even shough shey don't want an

behavioral sciences at the University of of response. Whoever India a way to solve without machines, will go down in history most common problems people have is explains but what we are really tolking feeling accepted and cared for and val-

But in so doing robotic comparisors make

man friend would challenge. "Busium that

the day and buys t without questioning your

statement that your boss is an SOB and

about A human compramon might say, But

oot Center and found the robot had peil always had time for tham. You look at

boly dear on the other hand your boss ino bonding opportunities, bad bonding

access codes direct inhace to police reception (for nevigeton purposes) they could serve as mechanical good shep Children might also bond with their m.

want to watch the bonding to the robot very

found that most children aren't satisfied to By giving these intelligent toys security prefer other children to anything elso We all form bonds with a variety of peo-

> ing intellectually to keep pace with us as maybe pocket-size when we're older "That way says Otto "It could always be with von - Grant Flermoris CO

You've never seen anything quite like it



special effect filters, all with the built-in. And for all this suphistication, you don't to be able to do in push a few battons. Nide by side, no other carrers, compact or otherwise, can compare shell to the incredible Infinity SuperZoom, Of course

you can much that same conclusion when

OLYMPUS Facused on people

era. In fact, 10% not even like out-It has the world's first builtion arteforce Wown to Where revery

ing your subject closer than ever before Not only that, the viewfinder anoma of optical system at work here, your strage ther compact accen camera. Being- abatter, something that happens overy

But that's not all. There's our exclusive subscorning dual portrait mode, spot sieterms, double expression, you can shoot



FICTION

A strange encounter in ancient Rome promises adventure and wonder even to the most jaded citizen

WILD WILD HORSES

BY HOWARD WALDROP

The hunting party had been "Salve Vegetue" said the out for two days-thirty men and slaves, slave, who wore a beard in the Greek twenty horses two wagons full of flashion and who was to impediments. If the wilding lighting doors As the fined in six months. Twee sent he may a spent they dibrought with them imaster to telch you. Astorishing a skin that had hung on one well of Horus news, I' true, which I am fortaction to tell." "Well well and Vegetus

the second alternoon of the dogs miling hurrying with him He book a look back at around and bring each other in. The crowd dispersing from the uncontained excitement, the slaves had bet imake/place. Surely the new emperor Julian. among themselves that the hounds - know what would happen when would soon strike a trail and lollow if the he renstated the old religion took away twenty miles back to Matunius's state funds from the Christians.

house P Renatus Vegetius shook his head and gave permission for all exited heratic sadly. The hunt had been for his. Christians and fragmented bishops benefit. It was turning into a fasco. Three to return. Ah stategraft for the assessment days before he had been in the Vegetus had been on marketotace of Smyrnea, lifty miles from his way to Prospensis house anyway. He Constantinopie He had watched wanted to consult the copious

who spoke only Grook II had drawn quite Constanting on one of his eastward purnows a crowd and was broken Vegetus a signi. De mimbros up by an aedile on his way to the newly altraving manual to be read to officers of reopened Temple of Mars and the army was simps; done and needed only a chapter on convoy duties. Then DocumMuconus the and baggage-wagon guard nomeradator of his friend Austrin Prachers "Greet nows! Great news!" Aurem

PAINTING BY MAXFIELD PARRISH

a fight between a Petripassianist who spoke notes his recent mictary friend had marks while accompanyon Engage

had humed up to him Precious had said so they

damade book of vereinnally medicine you want to withly Shappen up your premise, you old fast! A hone been seen in Thrace, itself, less than twenty miles from here! He waved a letter abound, its inchors figure "Someone anonymous says I and my financia should know before the news be-overes general!"

There had supposedly been no lons this sake of the Portus Euroma, since the end of the Republic bour hundring years before One of P Renebus Vegetiuss desires was to hunz lone from a chief or in the old style and to write a tirostic on the sport. He had planned in the Justia years the result of the planned in the lot between the result of the planned in the lot between their not for planned in the lot between their not for planned in the lot years after not for planned and hunz figodia willing) once

diseases of males and horses But here now is Tratasal. The called on Horus Massianus (who served in Ance) and Phosbus Boose (who owns an old humany channol and there have does that goally your heat steel." Phenose had here howers and horse had a horse had a

Sometimes, as on this furtilities, secretically introduced association of the comment of the com

own these hounds all answer to Hey shehead." He anned to Vegetse. "Story 1 werked this hunt for you Well take the dogs back north, then home Follow the vegon tooks. If you may the ion, hough, you'll have yourself." If I don't cool cit! I will die I said Vegetee. "Good hurbing."

stad Philebens.

It was a stream streight out of Hesiod puss, patchlad, and cold. Vegetius sat on a rock with his swollen feet in the gurging water Muccrus, who had sirepped relead and swum beach and forth a live times was now asteep on the grass Upstream tall nathes grow to each sold of the stream.

CHES

entered his house. "One of your dreams western aide of the waters in this or come live! (sind I'm not taking about that alternoon Tibes has hotse in spiper the downed book of veternary medicine you wait to whis)! Shappin pay your presens. you old fart! A host been seen in Timpou.

eyes growing under

What is 17 he asked the horse washing out to calm it. Then his blood float or goods he thought, belong upstreen and scrambing to he jacely. What if the Joris.

He lacked Muccanus with his bare foot.

'Mimph?' asked the slave voling over.
This he sumped up seeing Vegetus trying to put his sanchils on over his head. His pulled a dagger from his lump of clothing.

pulled a capper from his tump of cooring on the ground.
Yathard What?
They looked upstream. Something mound along the fall cushes. The troot along the fall cushes. The shoot along the fall cushes are seen alond at the engal of the needs an electric has been along at the wast to primit this wast to the might as well have been distreted his their and beguing the back and what pull wakes dawn his back and an experimental cushed beguing the control of the coordinate of the coor

data He cohor ike a which systach for #The oldest man they had ever soon was standing at the soline

of the reads, naked from the waist up. His hair and beard were pure white

and begrd were pure write and hung in waves down his back and chest.*

which afface stuck out They couldn't shift the har reached the ground as the needs covered all below his away. In his hand he had a him tapeved politic which was attached a high line gossimer in the sun, probably or pielled fromhar All the end of the line way a hopkingh.

Wall done or said Vegetes. The old make to lotted up. "To be cereful though Thanks supposed to be a son about." The old man looked at them his face breaking out that a sine! he flipped the line back out son a was teat to another graying, the one larger and public if in. "I said There's a lonabout" yelled Vegalas in coping this jands." "Nonchalant bastard" said Muconus it maybe deal as a poet". The old man shouldened the pole and elbace of graying and wentthrough the edition has secureties.

"November where he came from?"
Who knows? and Vegetus
The sun was still not so they followed

around a ben'd Outside ween fung drying wild onems radishes garlos There was a task out in the sun on which split heh ourled Fungs and mushrooms grew in the shady spots

polis It looks guite homey: said Muscalus Hollo the cave?"

He fast frequent various hard herature legistus, penintry to the ground outside the ciser opening. It was channed with innumerable hopoprints. Either has a compensionable old outside her penintral cause those search regular most round. Hello," Remaks continued democrat, ing He led the hotests rems to a root which green from the cith wall. The hotes assume.

sands and thousands of sorolla, book boxes, day tablets and slates. "Muconus," he said "Look at the!" They walked in "Amid the clutter was a

cheshigh table at one coner of five room was a pile of mishad down stree. These were no chans only piles and piles of somitis and books in a daren languages. Decus Muschus poleid around in the stacks. Tablesh The outword writing oil hid Late. The old thangle writing Who pould and the sup!" What in diven how?

These were several closed scroll judge them con was open. On the lable by it sets one was open. On the lable by it sets who a emple page cut evidently from alrengtry work headed, set twis Book 19 in Greek, and at the top the 15e. If lusters Ammon heat putled P. Rendus, so to the lot of Mount Chryppus and seed

Soften Go-deputition model and get popular inferior in the model of the popular inferior in the model of the present of pages? Yes, the he had not the present of pages? Yes, the he had not the present of pages? Yes, the he had not the pages of the legislature. When he had not been closed than he model of the he had not been contained and the had not been also the head of the head of the head of the head second of the head of the head of the second of the head of the contained and the head of the head of the second of the head of the contained and the head of the head of the contained of the head of the head of the contained of the head of the contained of the head of th

their houses classed. The horses ran by blurs. Vegetius had only his short sword with him—the javelin had been in the sedde boot. Mocanus once again chew the degger forbidden to sleves. They heard another dather of houses. At least it wasn't the ion. "Helio! Helio!" they both shouled.

"I know you re in these. No need to yet," said a voice an old mars vision, close even then that of Phoebus Social Then the old man came into the cave lollowed by the horse.

No

The old man and the horse came into

The old man and the horse can the cave together No. The old man was the horse

Pinding anything intensiting to read? he seked, looking from one to the other, then sotting his gaze on Vegetus. Somewhere down his back his har turned who a briffs white mane he was

white from the top of his head to his hooves. A back leg I flad is classed to the floor. I was asset thought Vegatus, if you only looked at the front half.

toked at the front half.
"The Hippostyla?" he asked. Where did you get it?
The centaur looked lowerd the lable. A

odor came to vegetures nose; we sweetymen on a wet harvehide inclinium More han anything, it convinced him that the encounter he was having was real. I wrote it," said the centaur.

said the contaut to Muccinics. There's a cup outside. And please don't run away. Hers., healfold my marker, said. Muccinis. And I need some, boo. Veceture held on to is table line until the

Vegetus held on to a spice leg until the slaw estamed with the cap. As he stood woodly, he naticed that the houses of the cartass were in tool shape. One leg the right from wastithment than that with a knot on it as if it had been boiler once. What cheef Renation cauld see through the dispery of white her looked this and most.

dispery of white her locked this and mot ted. Vegetus took the cup and distrik. "Others he said to the certain Christi, the teacher of Hercules and Asclapius, the entry certain able to rend and were. The interest of the certain and the second of the locked the certain and the certain and the entry certain able to the manual to a fruman armonic history and the certain and the certain and the second the certain and the certain and the certain and the second the certain and the certain and the certain and the second the certain and the certain and the certain and the second the certain and the certain and the certain and the second the certain and the certain and the certain and the second the certain and the certain and the certain and the second the certain and the certain and the certain and the certain and the second the certain and the certain and the certain and the certain and the second the certain and the c

only one ever to be married to a human woman throully contaur able to dark wine without becoming a riging animal. Others, author of the Hippsatrika. "You must be P. Rematus Vegetsus" said.

"You must be P Renatus Vegetius" is the horse-man.
"How did you know my name?" The centium isughed his long her flyo How goes the lon hun?"

The certisur issuigned his long har flying Howgoes the lon-hord? "The letter was your doing?" Somewhat I wanted to meet you I read a copy of your Hotowar."

a lot? What your rhapsode on ion hunting in the chippier on Egypt? And in your signment you said you would someday write a treatile on warfare and a book amplifyna Palamous as As Manisosant? The media. men is sometimes to know all you need " said Chiston Wegstus, said Muccessa "Youre talking iterature" with a contaur"

The white ourpose" and Ornon
What's that? saled Wegetus
These something you dosno The Appuints: The whole manufactual? Vegetus
looked widly around. It's in a safe place

sinks. The whole manuforagi. Wegatus shed weday around. It is in a sate place on I worry. Help me, and it, and all these her works, are you wor?. "What do you wor?." "Tim aid, I want to return formy homeland die. You pan help me."

"Timold, I wan' to return to my homeland to dair Yau can his but a few of the provider of Suytha? Ind? Almo? waked Vegenus, tolowing the best author ass as to the formation of the conture. Take me to the Pillers of Hercules, "said Chann. Then I can be home in a low day." The Pillers of Hercules? That is all the western edge of the Empair That is warm.

the Chesks once sent an expedition to see if the sun tessed as it went down in the cosen! Within the East How am I sup proud to get a constant homeon and of the central world to the other? Yours are intelligent men: and Chest

Maure on relatigated men, and Chron
"Ilyou carrivonceme of getting me across
the Empire, frair what it would be lete for
we, stars Whan I was upong and along
it imgit have done it i could outsur any
home when I had to But no longer I
wouldn't be gare tilly miss below some
nich men would have me hunted down for
also menagere. The last that I'm a releval

He looked at Virgetus
"I can't believe they" seed Muccanus
"I can't believe they" seed Chron: "And you
get the Higginst Ma" It is all you thank it to be
Just get me home, Pennikus Virgetius. I sek

Twoddn't know how to begin

Netto Prorise, said Mucorus

Whot?

Noeso Prorsus: A very clover tren in Cysous If you went to go Prough with the I mean "and Muccrus. He's done overy thing been everywhere. All it takes is money Wast amounts."

"Done said Wigotus crossing his wrists here times and apting "and done! In the week following after he had gott

bone He found han distaining to Muscorus.

I would like to buy Deduc from you!

said Wightus

What? screamed Muscorus. 'After what
I ve gone through I m to be freed in.....

"Goet sleve" said Ausem
"Leat sleve" said Ausem
"Leat what did you have in mind?" asked
Praetams
"burreto free him in six months. Sell him

"fourest-free him in six movins. Sell fam to me row. If free him when I refun from my—researches in Alloranchia. (This was to never should be allowed as a second



one gack with me is nomenched on one who can read and write. And I trust no one more than your Decus Mucorus." Decus wis glowing at him. "Besides, said Vecatus," sellitem to rec.

"Besides said Vegetius "selfilm tome, sord if wor to be you who has to pay the five percent manuseauth start." Docus you've boon like a son to me but business or business," said Prachers to the stave. Than to Vegetius, "Trisse thoumand perform."

Three this send? I'm going to have him read to me, not sleep with me!

Tim worth four thousand if I'm worth a said Docus, his feelings hur.

Tim the transfer and Docubers.

Thirty-five hundred, said Practices
"Thirty-five hundred, said Practices
"Thirty-five? Can be fly, too?"
Thety-eight hundred and not a denar-us local."

What, does a fam eight strong b Four frousand, "Done"

"Done" said Praebens, crossing his wasts free times and spiting, "and done?" Occus was smiling as they had her water

They decided to move Cheon nearer town as they neceived world Nemo Promus was on his way across the hillesport to getsus and Muconius work out to help him close up his cover stocking stones across the instrument of our across the instrument of one affection.

the enterior of the afternoon. He was to stay on an office outbusings in an ofew grove owned by Vegetiuss uncless, Vesticas Medians the effective and Elecule time facilities of Chaon. He backlad up thing his tell and dropping a pile of read applies on the path. Tusselly don't do had

econsist is not what if used to be After they scaled the covern off tarly wall, they began to rule downsteem. Chron took a long listy look back. "If these were the dictor days" he used.

on the place for me."

A few merutes late. Deckis Mucorius looked at Chech and began to laugh.

So this is the famous Nr. Chech. eh? and Name Prostae, a squal flack man with a Gross bend. He were muses in the

exit. Visit to ment a residential if once to up a memmed and salid is to the Plance Plans but that is the closest lever came a real mythical creature. "Tan no myth" salid Chisan. "Can you do it. Norm?" asked Doous.

Can you do it Normo? asked Doous That's Mr Nerno to you stave boy! He studied a moment. Yesh But it's gonna

Why are you taking about me in the third portion? asked Vigetius. I didn't start this "each Namo Procuss." "Nath gov I can do it but you'll have to

"Yeah gov I can do it but give me near all your mone as only with everything I say W

to we can spir. Bargan?

"Done" said Vegatics, legting
"Done" said Prorus crossing his wast bree times and apting. "Bed done?

"If I have about fine clays to get every thing coding. I suggest we all by prot.

or said Ohion
"I suppose I am said Vegetus segting
again
"I'd like to visit a Lupercatio"

him again "I'd life to visit a Lupercatio" this "Son of a belot" said Provisus "You'll what a million years old or somethin? A

hat a militar years old or somether? A porcola no loss? "
I used to go all hiv ways when I was using' said Cheon: But trut was long long so I'd like to on kust once again."

go Td like to go just once again".
"Son of a batch" said Nemo Prossus jain: "Come on Mr Vegetus" Letis griv cold guy a troll trod. Throw a place way if in the sticks, where nobody cares what

He found
eight old men and asked them
if they could nide

a horse in a straight line. He promised theth all the wine they could drink as

long as they could still ride the next maning ?

comes and goes No offence Mr Chroni None taken

yes minion terretify the back ways and time may said the man said by the flore door fresh said to to be better again. Several of the women has travels door buryon the said ground for the common said travels door buryon to the said ground flore flore to the said ground flore flore to the said ground flore flore flore to the said ground flore flore

contained it—some fillusion caused by edicts of the new impects perhaps so projects eligible to an easiler simple in Well said Prosus, when he wide with traffed eyebrows and a dry mouth to the olive grows the ned earning. This each of well, Shell auchie soil.

Than his loand eight old men softery worshippers of Bacchus and asked them if they could not a transe in a streight line. Then he made harr proved. He promised from all the wire they could drok each them. right as king as they could not the more maning and free passage back to Byzan luth, if they chose it, or could remember where they were from or why they should go back whenever they got elsonever than "But," said Visionas. "The many!"

seeds of taken said Pressus. We may a bargain Noor certaur warfs home he gaving you something in return. You reing me something—your complete tru and your cash. True? Well wis

Then hit me do my job " said Pronse and pulled more sestences cut of the bag Then he went out and bought an elephant with one busk.

He had draped two white blankers over the pathyderms sides leed on with rope Promise took a partibrush and in a tarly

good hand panted vice it investigation was used to acchise with an arrow porning beginners. Not very good talen said Vegetus. Good enough for freee garlic eating whose said freezes. The first rule is

something else to gawk alf. He put down the pareticities. "Beledes" he said. Yangone who funks has going to see some sizhundled year-old eleptrant deserves to miss a centeur or two.

He writed and left to see about the Imperial Post Road permits

"Here goes nothing" said Muccrus, na-

was to ever morning of the wextwad styp.
They were marring the lists wilege on the
sale toward Philips and Dyntrachaum.
Put your longs in it you cid fate? "yelded.
Putuus them has blue pented horse up
alead. The wept out men ast up as straight
as they outdoor their houses. Two of them
had blueppers we had it wreget to the had.

The world on their houses. Two of them
had blueppers we had a transfer to wo had.

**Exercise when consent one and faculty.

t wasni music e was an attockus noise unit. The elepheni almost ran off the road. Mucorus altiered it back by lodleng it behind ovte right our wasning could imagine Apolio cocophisus, Harmonia throwing brimselves

doing in their name.

All the people ran out of their houses, stood in the road, made way for them.

They began to cheer as the belang enhouse or once even with them. Porsus wearing a headdress of perple osinch.

wearing a magazines or purpological feathers, give them a sewaging blessing with his arms.
All eyes were on the elephonic it from peted, drowning out the cacoptiony ahead of it for a second or two 11 dew even with the models of the villate. Heads turned

the wilagers were still looking that way when the noisy column disawout of sight abound a case in the oost mad.





FORD PROBE. THE FUTURE ARRIVES. IN FORD SHOWROOMS EVERYWHERE



What do only really went? According to Derwin, women are after the one best male But years of observing nonhuman primate females soliciting male after male suggests to this biologist same new rules to the sex and mating game

INTERVIEW

SARAH HRDY

two much. Females of all spenges evolved to play the passive role when it corner to sex. The myth breaker behwarmi biologist Sarah Hidy whose research on pri made sexuality reveals that for from being biologically fieled to monocumy and sexual persivity, females may have a powerful sex driver and fend to again out sex with a number of moles. The Langurs of Abu Fernale & Male Strategies of Reproducson. Hirdy's classic study of the secred haruman morkeys of ladia paerte à peture of fernale primates as sexual strategiets. who astutely manipulate the moles around from, not so much to get what they want but to make the best of a bad lot The tame hirdy has won for her revolutionery ideas has canned oute a self price. 'Sometimes I have the uncomfortable sensa-

naturalness of promisquity, which if you are talking about its-PHOTOGRAPH BY TOM ZIMBERGEE

In sownth parcies Hody a femous for her prease vel revolutransform theory. Hirdy has reshaped the field of sociobology framion key hypothesis on lernals appuality, female competition. and intendicine Her undergused aspirations as a novelot lake intersects herself into her research as a character and still manages to write with inversedous clasty and elegance) make her work that much more compoling

Born in 1946. Hirdy wrote her first book. The Black-Man of Zinacaster: A Cereal American Legend; as her undergraduate theas at Radbiffe College. The book offers an analysis of the Wayen. myth of the bat demon, a flendish figure who takes vangeance on methebaying women. As a Harvard graduate student Hirty

lake start to a case not have but their one reviews that the social control of temale glocality is an issue central by his most important work.

When the twenty five year old Hidy went off to study langurs on salenied Mount Abu

What he wed year gas also may all of the and if to susy light on sarry and local faculty and the anged Swiss by the sarry and to be eighteen the finding that be than the sarry and the patient has faced about these grants and the patient has faced about these grants and the sarry an

hordry bringing the females back into least ord nearlying them to produce new oil spring that they thermosive would latter. Fritzy but There have been whose to getter What defense out if the physicial native whose of the opening makes acting in their own biological self-interest? That is when she included the importance of promoculary. Formale languate even doing exerciting their outputs even doing self-interest. The self-interest is self-interest. I have been a self-interest to the self-interest in the self-interest in the self-interest. I have been a self-interest the self-interest in the self-interest in

potential enemy the females adopted that emization as the best strategy for ensuring their shants curried. When first published in 1977. The Lan-

to generate nevel treaty that they thought to present outper fair missed one contain per-Affricing the estably eventual-endedly destined make and families essual enhanced to execute stocked only in the mail said of executes stocked only in the mail said to usual by publishing fine Messus Trial Never Evolved Here timeles both go. make and human hale content leaff and the proposal of provided the proposal of proposal of provided the proposal of proposal of provided the proposal of proposal of

us different from other arminals she says is the ability we possess to change our leves. If we water heredom and equality for both sees, we can choose to chaste a modifin, women who credit never have

waln'nd through nature. Once in the control through nature (Devis into revent Thomas Basis spoketo. Huty at the University of Celebrarie of Diese where sithe leadness attrinspolicy in person Huty as a dynation. She is tell and time with the blond first weight up on the respect of his model. Despets years in finds after all of the model of the charter of an interest Bears. Dusing this daylong conventionation Heldy made several maps from the russ that in-

special in infactious diseases are building a house. Once there she wanted to all the buildoor operator digging the reserver for their orchard to make the sides in-

analyse of the bal demon looks like the regular. "It will make a better hebital for false start to a caseer not taken But then widdler she said." These help look a lot like one resizes that the social control of the resize social control in his markeys are missing.

Omei. Are you against promocusty?

Hidy: I'm not in the business of judging peoples behaver it in describing the bethread of moderns.

peoples behavior lies describing the buhavior of morkeys.

Coast is promisizuity in grankeys relevant to humans?

Help/ It seems to be an odd time to be saking that question if we accept the argument gain by Harvads Max Essax hat ADS test evolved among monkeys it would seem that promisously immovelysis group, to be affecting furman behavior for many years to come Let me explain Finan ay point of view is seems on accident that ADS evolved in which the seems of the property evolved in which the property of the evolved in which the property of the evolved in which the property of evolved in which the property of evolved in which the evolved in which the property of evolved in which the property of evolved in the property of property of evolved in the property of property property of property of prop

point of view is soons no accidentified ACIS evoked inverselt morkeys becaused the promisorous breeding system that drawaciations viewes—makes and females having numerous sexual parkies. This system created an especially indeed of transtor the view with a mady mode of trans-

Git seems no accident that AIDS evolved in verset

monkeys, because of their promiscuous

breeding system—males and females having numerous sexual partners 9

meson. AIDS like verses have probably dealed arrang morkeys for a long time. Verse and host must have come to a mo due wwend Buthurman promeously on the postal hard for control or all the Albana and

Gens thing
Gens Were you always interested in
studying armsi behavior?
Hidu Garting into primatology was an ac-

Majan-opasing people in Guallanda and Honduna for my undergraduate honors, thesis at Rudolffe I finahed school and thought. This is olicif offer but have to do azomething relinant to the world. Ohe bring I did does in Central Amona was basch hygime courses for adults, so I decided to go to Salantina and laten in small time for go to Salantina and laten in small time for poto Salantina god to see the weekers poficiently and the seeded possible of the seeded possible of the seeded possible for the seeded possible of the seeded possible the seeded possible of the seeded possible for the seeded possible for

and I was losing interest.

While I was at Stanford Paul Eintichy
gwing a marvelous course on populat

communication school Efrich kept six in gabout leverpopulation and lised to myspit. If you really want to do sometime posdis why don't you start, in exflects of covacing on bahasan? If was an increasibly maked them. No one has ever often a subcessful study of covacing on human linear a listion is cousted on primate behavior at Restatine, and athrough I datin teem any ling because I must the books for eight ling because I must the books for eight.

raw-deem Noorehas eve done autocumid alaxy of moving or name: I had commid a size of moving or name: I had Reddets and attracted indent feor may their became i had be to be the pertent to be the size of the top of the before the exam out of the haze lecaled that Names along the size of the size of the second only in order where there was even thought to be indent e And it happend only in order where there was conded to 30 indent the haze the coland alaxy has hypothesis—has reddetly come. What there is no size of the Come. What there is well as the four?

Help increase to study a very legit dominy population of languar at Movin Rub. Excl. in soon, sublated the makes there were as usely quate between of infants. You would see them ewinging on a make a list or jumping up and isome in this like a list or jumping up and isome in this like a list replant. Aggregation against infants carrier only from makes intering the breeding system from calculations are proposed to the control of an analysis of all the control of bands of up to least or more makes carrie.

bands of up to soly or more makes occulate abound the outlikhts of these broops. Altable on infants come from outside makes trying to take over a toop. Bot i salused his ipathology hypothesis asso wrong—desized operation provided in

framely inducing the femilies to ownlies the new head of the thoog was suffering the own general interests. He was comprossing the femilies repoolutions observe in the treat spann of time the could expect is survive as head of a thoop, about twenty server frontlis.

Orex: The is still looking at reproductive strategy from the male point of view. When did you focus on the fermales? High Watching these animals day after day.

They was not yet the females problem. They were producing officing, and a time every beenly seen modific or we estage a new mele would come stong and will the intains. Then the females would be treed with the killer Wity would a demale put up with they."

and the state of t

etime vicious circle ir impoori (than ask other options are open to the formal chiwas a make from killing har inflant? So ulusion poculiar things were going on! most feosible reproductive strategy for a female would be to confuse the issue of no male could afford to left an infant that

Omey What happened when you pulp-

Hedy. Some of the most eminent anthro-

Brownson model (developed by British anthe group has a role to play that promotes annut? And what is more counter than elminating infants? Anthropologists couldn't believe if was happering, which

Orers' Your crescs stuck with your earlier

hypothesis, that informacie is a pathologic Hote: That's absentantly clear now: 4 years? clear then. The langur page was sexually other males. These males were unrelated well array of researchers in pulled toand in 1981. The book was sufficiently

convicing. I believe so that the contro-

refers an a resource. Thei's cannibalism Sharman on Belding's ground squirrels would be an roample Females elements making it manufable to the lafter for five part non-that is, competition between males petition among females for males. This

makes but with many or all of the makes that where the majes tand the babies, and the troop. Even presprant females were out nest site leying eggs and occasionally dathere makes. Then it occurred to me that stowns the east of other females. In other 4 they couldn't win by force, perhaps for case the case to the later is additional op-The fourth class is parental managing

in primitive societies where it's practiced, offspand at once Number Ive is social pawith to reaching the managerest based evice

6 By extending their periods of receptivity and concealing ovulation females could mate with the

resident male and at the same time mate

opportunistically with other males as wad 9

Own lant this a Highborian world yours Hedy: Yes, and I wouldn't recommend to for lying in the last surtance of The Last My next book. The Woman That Never

when has pessing out tiches. It's a play

sible hypothesis, but there are plenty of offer routes by which prolonged secrety females, by extending their periods of recentivity and rancewing pyulaten, could mate with the resident male and at the same time male opportunationally with other makes Centri lithit your idea really a variation on High, I ve thought about this. Who is the offering the female lobiecti something in The is probably a havere modern There's The kind of awilland world litry to construct

for myself-in which I don't compete with nofits of others, and two by equitarian Cleys' Samons says the forsale crossm is

Hirdy. We troth agree that the female or

green as currently rist adaptive. If if were hance markel relations, you would expect it and A male has an orgasm every time then perfect but the is substandard. The male is norsense. If we have learned any gasms from interpourse alone Further gie mate who is typically capable of only

male organi does not do what it's sup-

Green What is your leeking about Sympres

codember hat the dates is a male brace middle copied by might organic and middle copied by might organic and compressions for fided operation? He by Syvaria and coordy Stophen as compressions for fided operation? He by Syvaria and coordy Stophen as control of the control of the control of co

I agree that it is containly for discrimetering promotionally fine years and readtering promotional fine years and readpearing promotional control of the readtering promotional control of the readtering promotion of the readyway processing control of the readpearing promotional control of the readtering promotional control of the readpearing promotional control of the readpearing promotion of the readter promotio

the contrall between a modegle and the more sedds and ele-cusions assuably of the human femals? I unjust that shifted the contral of the season of the seaso

open on a originary christ if in not adaptive now, why hasn't be format originar bosen lost? Help, Cere possibility a their insonifies way out. Maybe that a why it can be so emitting out. Maybe that a why it can be so emitted country through the beginning above the country through the property of post and the country of post at been operating on the distret, you'd emport in been operating on post in been operating on that have multimake threading systems where featibles make with a previour of where featibles make with a previour of their featibles.

major, is this a fact or not? What sort of anatomical variation in the clotes exists is cross specials? Of impleateds and oran gutars have persises that are retrievely and obsolutely smaller than human persises. Yet the chicos appears to have excluded in the other discotton its much larger in chimps and carring tarms than in humans.

but the section of the final between the section of the final between the section of the final between the final between the final between the final between the section of the final section of the f

maio sexuality slight be an emeritus woman professor of anatomy Owsv. What evidence is there for organiin primates? Hindy: When Canadian anthropologist Frances Button first proposed the lobe in

be limit listers into wee record to identify a The drain has around, and the featured is might further reputation fit. The drain ten might further reputation fit. The drain ten for mist made by the sea interests strates ar sporce and worder has a price of a tended that me means and price of the body precision and worder. The body precision what some of all their may be indicated or themse argument on an mand mouth "O" take here's a potative of or in stamp based missages, as some time as a pursued positive in an and shoppor of missages are supplied as a pursued (see) because it is a missage of (see) because it is a missag

Clear Hasen's schristis argued that beruil inconstrain bitaken arismala in a loo beef to health in organe? Helly The cid anyumen's that organis centioccur in reture in clearly wang once measure that terminals solice framework for makes. The attribution recooding produce cytics are all invalidation the stippidal of the single making bout in the wild But the coporturity is there for it to occur—pro-

opposes the desired to the strategies and the single making bout in the well Suit he opportunity in there for if to occur—provided the familie makes with a series of mades within a stort amount of time. Ome: You sometimes use portisets of your childran to fault suit per many facilities and the series of the s

Hidy The grimace of norhuman primates relates to the human smile. So, too, do the openmounted expension and the "Of too during organism. All some level fin convinced that primate motivations are similar to curs. Something like secual pallology must be an old emotion its a human universal, and ammals force in too.

ideas bizarred

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 The britains,
 agg shaped object descended or car, terrorizing the

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UFO UPDATE

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And the second section and the second section and the second section section and the second section section section and the section se



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The dates and daying their walls and in size in other words says the in other words says the in other words says the says the days the count of the other in other other in



And Andrew Market State of the Control of the Contr





DOMINO

one. Then she handed me her hat. Before had, and as fast as they landed. Arsens down to her undex and took those off too "Oh, no." Arsenio seed. We've got to

He ran after her and I ran too. He caucht Jurish was already across the room. She

lauphing and graping with Jake. He was service water and gillum

"Funinge" The said, "but he can only take Lahrugged and wandared over Proffs Jakes breathing got hard. He stopped playing and then he told me and Judit is orth kept bouncing, which made me do it.

too Jake said stop again not load but so No no no she becard Flease don't "We suit got here." Arsenio said.

Vitle languer's He looked at each of us and then he sighed it was there against one. When he

All night. A little longer Time enough for know what that meant Jake told Ameno to me of wayes of water when the sun hits

From semewhere behind his back Joke brought out a cup of water At first I thought he was thenty, but he oldn't drank a linebad like a silv time to do because had sur

looked, there wasn't any meet Instead of spilling on the foor, the water wayy blue light. Suddenly a lower of sposshot out like steem from a teakertie only

It was a over took I wanted to ask John how he did it but Judith and Americ had 106 CMN

of date, and some had only a few Judithtogether with the data facing up. Already to looked like a fun opme, and I waited to see

Judith was the line to should set "Trained

ther edges, one infront of the other Bythe

something to happen

"Go on "she said "push it"

6He opened his mouth. The bird leapt into the air, flew pope more around the room, then dived

between Jake's Ins. That scared me, but nothing happened

The bird sist disappeared

She trucked the domino meing £14 against the one in front of it That one tell down and he the next one see the whole line tell down Judith lot out

it happened and like before. They time we Found the way street, and exceeded a byed disposed. Jake too and then America said

He took the domnoes out of the piles and started put income on top of the other bg as he was. He tred one more on the very top, but it was too many. The tower left

she stopped. She built another right next to a When the successions was as tall as mouth curled up, and light ready for somethere. Quick as a mouse for hand select

out isoppions the bottom dominous out For whole thing came crashing down I and when I was done. I looked for some-

thing to balance on top. Something spebox it was back on the table looking even me, and I couldn't keep still I went to it. I was afraid to touch it, alred not to Treached out. Then Jake begain to whistle

winter I stopped and listened. He cupped sound changed. It got higher, preffer, like sometimes you hear in the park. It filed the open and t was swiging. Jake held a to helders and blow on a The

singing its pretty song then landed on my Judith singing to each of them Last of all song the same song back. Then he opened his mouth. The bird leads into the sir flow once more around the room, then dived between Jake's lips. That scared me but

nothing happened. The bird just deeppeared Jake closed his mouth and then "No reced for that "he said." I'v really not

may be Infrugged "Make one up." Judyh sovo

I shook my head "You" The two of them looked at Jake. the metching game."

Matches? | said traking of the one he "Learn, and I'll tell you. Each domino has the double blank, and also it's called the soul Every other one has a name, for

to him After the soul comes the sun, the black line and one dot on the other it s eve. After this comes the clouble one with one dot on each side of the line. Its name has one dot on one side and two on the other, the busy man or the copple. Then

That's ours," said Arservo and Judits. dots go all the way up to so: the domno with the most dots has six on one side and

six on the other, twelve in all. It's called double as tracks, the journey and some times it's called gret

what he was taking about But after a while gether I had to blink to make them aloo I Jake's tealings, but I told him anyway

think of the future. I'm the one who has to way, so that the dots were makehed up

"You close" have to remember the names."

He put the soul in the middle of the floor and one dot, and on the other end he put

She anatched up her own special dum

with two dots on one rade and sec dots on What's this called?

"The goot," Jake said "Slippery kick." I looked around for a good one and spothed the one with sex dots on one side. Tracks through snow," said Jake "Soul

I reached it with the other one with six Judith and pretty soon all the dominoes

He smiled "Of course Another time Nov

None of us liked that, but we clich t ar the box. When they were all in the too

"Now it's time to op home." Jake said

second way which is better than the first

of the room I stopped Jake and Arsenio

hand away By some thick the domina cloud flowing Slowly a began to turn Each time the domino turned Judith and much bigger then mice. And they teet the floor next to them. They walked apart

Finally if got so bright I had to book away There was a flash, and when I looked back

I wasn't so lucky when I got there. Morn They welled at me and asked where fd



From the makers of Jack Daniel's Instead I frought of Jake and he domross, of Americ and Judith and the box And thinking of them made the whipping

Theres charged for a white after that they'd make up. Then they'd get drunk to gave frem new names, like Jake and Jadity and Shake Eyes and Cricole, it was

Then there was a hight It started out small and Dad left I thought he was going for been but he distril come back for a long time. Morn got mad-Hel over seen him. The two of them velled and throw it. Dad just laughed, and she arythma but she was wrong. He slapped her again. She screamed, and I got scared

I begged them to stop couldn't I just stood there, while they kept the last thing I wanted to do so I did what made it inside. When I got to my door, something happened I don't know what

And I waked to the front door and I went in the wan lying on the priows smoking his pipe, blavering little clouds in

udden I started to cry

The trans busined cut like rain and I trad Jake wiped my rose with a hanker He said that the lear lakes had to get ched up the snow up above was, melting I guess he knew what he was taking about bebut I felt began The first thing I wanted to

homes you know "I want to see Just and Arsenio" "These are others. Througands Light Chil chedran From any war you choose Any

Borritsey Paru Ary place Arry age Teach merson has a store John!

"Adorning One that is his own I told you "I would be seen"



His pushed Introduction by the face. The cathring on to him as long as could then activities to his for lader west across the face of the cathring of the cathring of a cathring of the cathring of the cathring seeks. If cathring of the cathring part and the black hole him was the loss pot even blacker. His it was assistent goal and the black hole him was the loss pot even blacker. His it was cathring fael with more and more blackness. The was a face, and suddenly it was open inside were the commons. On both was a long own at long the loss of the cathring of the On both was a long own at of them.

side were the dominores. On lop was a long row all of them inhalders, starting with the soul and ending with the tracks. They were white as show when it's fieling before this ground makes a drift, White as now both. The dols were like cool Che by one Jake look the

'Now you must choose 1

"Rick one"

Well that was easy I knew which one I wanted, and I reached for the twin But within I pickled it up I saw that it want? the twin at all. It was the one with six dots on.

flig not "Jake seed "The palace" I don't want this one I fold him "I want the other "Indeed! His eyebrows came down and

"Indeed" His eyebrows came down and he gave me a sideways look. "I went the twn" I pointed. "That one." He nutbed he chin. "Here" he mursbled, playing with his hair. Finally he took the denino act of my hard and put it back on the floor. Then he mixed them all up. Pick the one you went "he said." Last chance. Before they medicine come like before.

criticis. Before they made me clozy like before it based to expedit be cred it send to expedit follows the cred it send to the pedit follows the cred to the cred to the pedit for the cred to the cre

crying again.
Help me" I said.
Jake looked up and smiled Helpok ti domino out of my hand. With his linguist.

Jake looked up and smiled. He took! domino out of my hand. With he fingers touched each dou, then he nodded. E's yours. John! I shook my head. "I don't want it."

Nevertheless
I want to go home
'
'Of course
I got up and started moving my less.

only maked of some toward, I stayed in the same place. When I looked around it seemed like the soon was getting bigger. The chains, the labble, the pillows were all growing. The channoos too Instead of being fact on the floor they had sured into this place. These has been the better.

into in the models. If many felt in that lose. Them the derivative stands to give in an experiment of the stands o

what I saw was a big leds of props and bit was a sawly a basiling. These were loop into in the sone and leds of holds but I'm not supposed to led even their morb it you level in the commons I could but than I wouldn't have to because policitions what drawely exemptedly has his care commo. That is what had because them I means that everybody arrestly known, or they could And I like that because them I don't have to be what I continued the what I continued the I would be a like that what I continued to DO

twring in the air it sparked like a mirror in the sun sending light down on my body it

remembered what had happened to Ar-

I had become toy like them, but I didn't



FANTASIA

They want to gather information from other

The niens don't really use languagewent to convey, you ramply understand. But

They sust automatically know your lanabout it and finally i decide to on. The alien-

couple of the larguages hard, there is a

THE FUNERAL PLOWERS

hardy has time for alle play in college one creatured fest in her class with a 4.0 grade port average Today she mentans a 3 9

can't help \$. Just a word or a sorra or a smell or a sound or sus! a thought, and

Tanctisrany, she rests Taneatty

there's no difference whetrowwy One of Horwyout is greatest challenger

are scary parts. I screem. Or I hyperven taxe I can't halo it When I saw Rambo I ended up hiding under my real? aroxings. After attending her uncless tu-

fureral home, taking with my suzzyos, in

ers. They smalled sickering. There weren t

standing with my back to the coffin. Sudcircly I beard this homble scream. It was this high-picked horslying. I can't even it was coming from and realized it was

Toan feven describe the leeing in the

we should do about it but frey were such priviling about it to them-I didn't wart Then suddenly I was back in class, and I seekzed everybody was staring at me. I

When Lisp glove home from class that

please help me please help me! Then there's a big below of erroles and a less breeks cut in the back of the bus I'm set hysterical, and I can't see a way to get in

know the bus is about to explode

beert is creamp. I'm spared to death, and was in the dreeway for them it's such a most to real exp my divergray and making



cer the sear fire really there. And that kits me on dwing without coing dwing. It's wonderful, and it's real JOHN JESTECK SUPERISOUR

For a small percentage of furnishors. fantasy acts as a sort of creativity hot line. mathematicians. The link between fantathe professional passion of Harrist Farwell Adams, associate professor of English at the teaty mysterious part is the process actual book or painting, or symphony or mathematical theorem. This is what I con-

track the path of fantasy in some of our an artist courts and woos that lantasized of the curey to turn around so he could take a look at feer face was the genesis of his novel The French Lieutenant's Woman

Jeszeck exemplifies the creative process ing gotten him through the "sexual confuson of addiscence. Now hete-six, he has he calls Super Sould

Cruser moves across frame it is a firmey. what it is-a facily, cheesaded low-tech contraption. The strings suspending if are Space Cruser it's a small compartners pedding and packing material. It smells I've home ac after the boys by to make souther Condes continue to the New Art other captured apaperten. The men vary

like pytales. Some are green. Some are inside this arreal compariment with these explainmentals and its dop flinks who has cheap fixing chars covered in lake fur rible experments on you. (Man page) they re a bunch of considers they need us for load. (Men grown and move

THEO PRISONER (a preate). I he ered that they sust wanto us for based in Ya know. tri me nose beked by one of them, if yo know what I means Aco Aco Aco /The men brighten /

NICK Reely? (Door slides open, in walk domesophistic space essembles.) FIRST WOMAN That one!

FIRST WOMAN Take him (Not is grabbed) and dragged off.)

Interior Space Cruser comdor Nick is and stanless steel-Ashan Dooron Hol is acardily clad in black-and-white They coming aroused They move obser They NCK (pessionately) You are so beautiful



NLX. LCS give or a stow (zne) on brace passonnels):
WOMAN (principles) to ode, preceding or to fisch) See me! filled me! (flict to coxtused.)
WOMAN (govanding). The me What is A RCBOT NAMED JOHN

writty" (Mick is lever incore constitued)
WOMAN Assiri you reacy"
NEX (Sepond confusion) Yes of course I
(Wittens with an add presented field
for Mick's inside with nor hands Gropes
welfly she fively finds it.)
I might have to be required
the fill mick incording with the fill might have to be received.

WOMAN (hurt and angered, she which to face Nick, self-holding his nose). But it's not even warm! NGK. Excuse min? WOMAN (hurt and perplaced). Don't you

WOMAN (fext and parplexed) Don't you and me attractive? MCK Of course I do, but WOMAN (with resolve). I have to debase

would like the (Woman Enring away in decime myself like the (Woman Enring away in disput) begins to quickly put to and down on held in once). NCK for rhyston with her herself What a minuted Wat a minuted Wat and with the control of the control of

FIRST VOICE Dr. Weep, this is not a Venusen. This is an Earthing. SICOND VOICE Sony Dr. Goog. My mintake. They look so much aske. FIRST VOICE. Get another subject for the

SECOND VOICE Right away Doctor What about the Enrithing? FIRST VOICE He must be petitioned betime he configurates the onter ship whick and the women have been follow-

across the room.

Across the room.

Ack or a Jacons Steam Fucion | New year and memorial.

Alletine Health of Bellow Reds in through saying "romatile", he is cast into space libring, weathing the proceedings from the open portal is weaping from all his eyes. Med. is drugging the see from holding the threath after lumning and if anything health preads and to red to the sur

heard the Stat Tells thereon misses) internal college activities that on said vig—day hole comes out of his factisty to had knowled decoding in a long registration me at an expansive have the college the inducess somewise befored two numbers the Stat Tells thereo story. The kind somewid shead field the following the others back FRST VICIE (from behind) Space: The

ANOTHER VOICE (Scotty) But Captain, the distrium crystals in his brain are gone ANOTHER VOICE (Spock), Perhaps he is functioning on a desper more logical

Inval Mr Scott
ANOTHER VOICE (the doctor) Spool: you
portly eased Valcan card you see that
if this man obeself take a step forward
we will all die __gausse) in the admpstration building barrassed and moves totaled CHN

Chigain who seem to be wordering about in the reamance atentions call obtated for their organistic. They are for ever folgeting its foliow instructions. Things have to be reposited to them sowers large. Another wastifiery say closest make asmal to anyone also Thoughtain and even by the decided offsort by adults and went by

flicuit by adults and wend by Such a file for seven year old of Egyin Zupanoc crough that his name boks like interest an eye chart, but Egyin to them Heppily his mother is o understands these flings. She

story of John

A Elight tells if there was 'a robol named John Instead of gas he san on tea load to with lemon He creator got captured. The gays who captured from Well lauren that missel in our captured from Well lauren than make it our conti-

I my West sourch this missile if you don't gre up the about. Uithin heard what they said so he tool the missile and also it. He chewood if up into a lide parts and here he got it into a jurk yeard. As a measal this creater make him

yard. As a reward his creator major his ser times bigger than the earth. "Uhring switch as in he tour His creator when him mande this shed with time barbad were all around it because his cri-

per and saw up goed or per, in min to pix moved right up into the ar and centred seef into a new obstreamed Pocky. Zohn and Pocky began to light John creator made weapons for him so. Pocky would'fill will. One was a baser been the could but hose right through whatever here was The beam never lumed—it kep going until if all werk into paper, and no going until if all werk into paper, and no

Obtained a magical whole and control whole and control make a magical whole and water and a water and

Trey just not to selective step and they will there—steed they would to go "They went to a sibort wiresfecture for a honeymour and wested robust being made. They went back to the house Johns ceation had made for them—a big stee bouse—and they had some bably schools. One was been self. It not on businesses.

the creator had to make a battery for it and then it lived.

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It's amazing how

fast you learn the dos and don'ts of art by working large











ARTS

rwenter Herold Edgerton at the Center for Advanced Visual Studies "Using a strobe light Edgerton made a strong of water drode's appear to be moving upward." This says 1 thought, Wouldn't it be wonderful I begin to experiment, trying to turn a sci-

entific phenomenon into art. I wanted the viewer to see an endiess supply of individual drops of water rising and falling in reto create the realization of his vision. The result was his design for Upward Falling Tale Opposes mess production which, he says would 'abuse and decrade the work.

soven assistants on a major architectural fountain project. He subcontracts commercial electricians to construct croud breckers weing, and other systems. Although IBM has contributed computer each work are usually made in Tauris studio. taken apart and shipped to its designation. where it is resoveration and installed technology must collaborate with a com-

public programmer or an engineer," sous for of the "Correspons and Art" exhibit "Top is able to implement his own alone, clasigning the technical systems to compleand technology are intertwined 'CO



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ARTIFICIAL INTELLIGENCE

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Proviously, for example, you'd have a about the evolution of male sexuality and cell the "promiscuous Water male" Reust expenences of an upper class man who with any scientific clata, that male person capable of long-term relationships and are Don's book is that it berely mentions off

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Your recent article (a very clever tifle by the way) caught me off guard I was so maded by the accompanying articles that I wasn so might be accompanying articles that I wasn so may be read to the state. But as I seemed through it. I sound it so be store to the state of the seemed through it. I sound it so be not read to a seemed through it. I sound it so be not read and informative. I while hough the

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