THE SCIENCE OF ILLUSION AND THE MYSTERIES OF PERCEPTION PLUS THE WORLD'S HARDEST I.Q.TESJ



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FIRST WORD

By Jack-Anderson

 For cor children, space offers opportunities on a scale previously unmagined—unless we fail them.[®] In the second se

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As loan Annov said, Seeng a merey seeing nothing more "He meant of ocurse the perceptions can be ensite, sometimes reflecting the nature of the world we must regolate and sometimes skewing our perceptions who the schozophismic and became.

Whether ones preceptions are possible or madaking, industry they can refer on madaking, industry they can refer observed the second second second second distribution and second communication of the second second second communication of the second her subjects to perceive the subtle ebbs and liows of the inner body

If process our percesses and influence beboth while wheth process, they should be able to do an or other instatome as well be able to do an or other instatome as well whether and the should be able to the should have the percesses—and esgond to __encaselaging augustation during anywer Heighter the percesses—and esgond to __encaselaging augustation during anywer (Highter how consistent) and the percesses and the should be how consistent and the should be how consistent and the should be reading on encoding and yreportain rate in motions but his how the mode height percesses and the should be how consistent and the latences the neckses how the height power to the mode height percesses and the should be height percesses and the height percesses height perc

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Scortess agree hat freewalking in teasble if the well set overly (ong But when tabled about another high photometers—hite strange sound a motoer makes as it photometric bitath—hite have long said imposable if in the months Earth column (Here of the Frechall page 30) however Ceffor sense cellifor Pennets Weintgub explains the anamaly "Because sound travels slow," Wennauk solve, "It should'n nach Earth unfil seconds after the Ineball has passed overhead. But in the instance the hetsells emitting electromagnetic analogy the lavels many times taster than sound wave?

The Listifi column describes an aurol flisson, but of Illusanterum ' on page 80 contributing ector Deen Davies profiles frei matter di vesse illusori the Japanese ante Shigos Fukuta Fukutaria eche pilys with our protestions proving that what est Dirki we are mix out alweve be reni

Bailty call be diabeted in odder species and well in: Proceeding on an Alon Sharof (page 52), UCIA Reychology Rhostof X Reger departs have mit the seasone diabeted of the seasone and the terms and haloned the seasoned and the term and haloned the seasoned in the pad Regel diabeted the terms have the protections. Science-felction whole have the allowed the region and the second with the constant of the second terms and incorporates in the terms of a diabo constant.

In our own beton the most, Ray Bacbay, explores sume horwy processors. What the meaning of that have seasching noise overhead? "Raydor" (page 58) suggets unletting possibilities. Grey free riske the reader to holt and back in: Dead Run (page 98) And on page 72, Gregory Benford name a question of modeal ethics in Trimotal Mark COD

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CHISTICS

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LETTERS

COMMUNIC/ATIONS

Spence Smarts

Congratulations on your soch yoar of publications of manager of public your publications is both a ray of light and a breath of heah an Other magazinos have tead to copy your format, but none have succeeded.

It was fashly pretrains Final Ward [Dickber Disk] on the Nature 4 isonoma diseasan that prompted me to what this latest What is don't express secret ago exciting What is don't express secret ago exciting what is don't express secret ago sponowas²⁰ Vertrial is an alignment fram these intervals: but as a lignment ago the secret ago the sec

Kathy Kostoris Flext Weck demonstrates wisuble registers that a real problem. The public aduation system field to teach three imported noncepts massages ys a successful accepted in concept mathematic atoms the twice and public accepted to the second public on the twice enterprise system. Considing that can easily have been public accepted to the second public accepted to the second public teach public accepted to the second public background in columbia only the lature as also to advantage.

After a student spends 16 to 20 years in the educational system staying those is the path of least resistance. Successful scientists do not tolice the path of least mestiance aro into the traits necessary to becoming a successful scientist likely to be banth by those who rolice that path to be

> Gary Ellis Fuiton MO

Scientific Ethics

Tem weiting in regards to Shenry Balars anciels Nais Sterom (Continuen January 1865). This a channe that some people cannot see the foreof for the toes By using the information obtained from the Naise opportmentation on concentions - comp annuose scientistic are not condoring the methods using They are Interning modern methods includes to pragmate recorder to index mit the peak we are incorrect to index mit the peak we are No matter how barbanc these experiments work, the fact is that they were done. And just as there is no way to justify or accuse how they were done, there is also no way to undo them.

If the research conducted during this period call help save lives today, then I can do nothing but hal people like Robert Hamatt for their efforts. It is simplify option unlive.

Wesley Nelson Portema dr. VA

In the anticle "Nac Science," the question is likeled as to whithin researchers inhold use the data obtained by unscrupp bay Nas declars. On the proceding page Bernard Maximud is quarted as awring "Tyour trains on the wong track, every staten you come to is the wong detern" "Will said

> Darrel King Cincimat

Meyans and Magnevox

Bit Lawran's Wayses From the Sky' (Explorations, January 1965) was on the whole soccurse and well done I would havevant like to contract one end concoming the geographical-positioning system used by durit topidation. This equipation will Raymon barried to us by Magnavios not Raymon.

Stephen Pruche Sonor Geologist Earth Satellite Corporation Chevy Chiele MD

Convectors

Pressurements are state Katamaso Child Gestanza Clens, Katamaso Andrigan, sakada bearlabate of ha dug methytphendeb hytorofichene – commenty calaid Restriction hyberature and lastrang. The drug produces one positive efforts on the drug produces one positive efforts and minimum stated. Centrany to whit was stated in "Statistica" pour (Franz September 1984). The experimentation to cape was camplefield, and ho lumbre opportunities campletid, and ho lumbre

DIALOGUE

Forum

Drm enformer, apposition, internet, commonity, desent, and parolina form saddes in the open faith. We note you to use this collection to store you to appen about the faith and disciple that provides thought and generates these strangers thought and generates these strangers space not many we cannot return submissions and that the opening expressed here and not encelesting these of the majourne

Science and the Sprifus

I would live to respond to the content the make about register Relegators Fuer (Forum September 1969) in the letters antidel "local and Beanewi (Forum, December 1964) First of all piezes dant. Under a should he harm "affeets" instans neve caused. Any philosophical positionincluding atheemistication of dangere with all form including atheemistication of dangere with all form of dogmation micluding the dogmatic atheomic of Mariast philosophy which has coment setting thebapia consequence

Wy pointion regarding religions influence on exience is based on historical facts Arydnik who is ignorant of this phase of history should read Androw P Whites classic book intercry of the Warters of Science WHI Thesidow in Christmatam.

Chicago

Letture he letters in "God and Science" alferdary neigonard tamt How wan religious people be and to be overlang tank want how who caveling the 14 h is mana population want in the 14 h is mana population events in the letter of the detection of the tamp of the tamp of the int he Valent in detection to the tamp of Aleesta and its man most than believes values: Welve waved to make them. Aleesta and its many well he locate themtam from the tamp well he locate themtam from 1 believes that one beauty when the Valence that one beauty and the Valence that one beauty and down as the tath. By placing ones that m from 1 believes that one beauty to the most believes that one beauty to in men. Truly mane people dan't need the fear of eternal dismission to force them to behave morally

New Hope PA

Please permit me to congradulate you for printing Bill Lawron's Vaccan Science (December 1996) an occelerit presentation rendered with much larrens. We are not usually accustomed to grang this find of approve? You antice is another indicator of the improvement in relations between another indicator.

Rev Peter Strawnsloss East Coast Director Gatholic Leogue for Religious and Carl Rights Toroton

The generational deplayed in Valocan Science encoged mo Ala Roman Catholic who is well versed in Charch hadory and science. I meant Lawrens releaning to my church as a fundamentalist body "a church frait recently meeted in lichel interpretation of the Brile.



Lawren is mataken. The Roman Catholic Church does not, and to my knowledge never has inosted upon a literal interpretation of the Bate. The Church grave concerte beliefs from the abstract parables of Chirst

is the Jasuiti could not be harred among the fundamentalist sects of Christianity Refred Chard Kolma, NH

As a loyalist to papel teachings and the papel office. I'd like to commend Gmm and Bill Lawren for "Valican Science."

The White has a sample bear has done to be that Christ Landes Thoughout the pentiums invarient that the has been conformed beauses of the actions of the law ground and our more who have the same the same same same same beauses in the ground same the beau beauses and the same same same beauses and the same same same beauses and the same same same would now again the its compatibility Christ would have a ground have beauses and would have a ground have beauses and would have agains the its compatibility Christ meets same to its how an

> A Wate Rocers AZ

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I don't really cam what the Pope has to say about science. His volves on other topics that are important to me, like elocition give a clear enough picture of this man who in my opinion is one of the most reactionery opcies while had in a long lime.

Come on Dmix don't preach at me Oh, by the way, I did like the quote above the Pope's picture on perge Sil of Valican Bownos, about Genesis being a myth Distribute Desert

PhiladelphaDO

HISS OF THE FREBALL

EARTH

By Pamela Weintraub

I was hovember 13 1933 and the East Cased was in the midel of perturbs the most spectacular relates shown of all one. While discersion of glowing inebulis strained through the intracegive people on the ground detected a distinctive hist Minutes after they heard the roar of the method what to fairth

Some 150 years labor in November 1824 Bein and Jermeiter Minigoworth watched form their runal Galession Occurty. Tiesus thome as the space churk on During across the proclams sky the call assembling across the proclams sky the call assembling to one a unmitik/obje swith. The septocetri sound of aircrity—this aprile booth—cales.

Over the certifuses here base boon hundrab, of environment exposite here preventing large moving objects whe material extrapolates benericuring imported awaters advocates benericuring imported awaters advocates Denatin networkspat Vaga Bucchneid awartekt here einige appearent to extend statut baumater benering appearent to extend statut hungend of immos accords. Action ha hungend of immos accords action was do light advaters from such the oil objects have ponement bach avand and mage at the extention

The accessly has been the mulged of sourchild, inquiry over smoother (2009 when Sr Charles Blagdon, secretary of the Royal Society of Londan, isoched is large inched fisst reportedly hexad as it made its descent more than 50 miles from observers on the obund.

Blagdon was convinced by the secently of his withereas but he could not explain their perceptions instead, he declared he would leave the mystery as a point to be cleaned up by future observing

Fitue observes did indeed construction in phinominan orphogang ore freezy alter another. One scentist, for nuance suggested that energy entited by the intotal semulated the brain derectly bypassing the normal haring appoints in the ear Arother papered that the sounds while produced which thy papers blanked of the motion and flaw close to the searces on flaw. In general mough these ceptimitees were shurred Has cackie or whosis most accentate and the noise had to be psychological structed by the awar respiring soft of a frechalt rating britant lamits of light frecupt the sky.

There on April 7: 32/9 two tocus balles common a huge intel® costed the skee of Spirity and New Class Autorias. See the common approximation of the state that the common approximation of the Ard it data takes the part of the Keige a physical at the University of New Keige a physical at the University of New Extent In New Keige the Nexas Hage was expectedly immunot by a particular tradition of Several Balles and Mark Mark Several and the Several Several Several Several Approximation Cost of New Several Several Several Approximation of Several Several Several Several Approximation (Several Ballescience). The Several Several Several Several Ballescience Several Sev

A finit. Keey says. I like my coloagues hmug/put hatery chrmseed these reports as psychological. But in interviewing wheeses lives struck by their sincerity so much so that I devoked to go back and search the lives as

The search hampions convinced him



that detusion was not the case. Report attaining on yow waterasses in Australia. This dams of my own waterasses in Australia. If this reports were mere funkey, how could the phenomenon occur repain and repain a such widely divergent. Imes and places around the world? Something mere hed to be comp or 1.

To figure out that something. Keay look a threa month table of absence form his job heading for the National Research Council in Ditawa. Ontarco

Esting down to work he theoreact that the myterious phonomersion and about the phonomersion and about the phonomersion and the phonomersion and the phonomersion and the phonomersion packating instants are not phonomersion and the mental and Bootsomappede amengs of taxamis carried phonomersion and the phonomersion and and and the phonomersion and the analysis of taxamis carried phonomersion and the phonomersion and the analysis of the taxamismut and the phonomersion and the analysis of the taxamismut the taxamismut the taxamismut the analysis of the taxamismut the ta

This anticryothic theory in placely knew dag out an article by Arcoma physicost and timbas expert Doug ReVelle. ReVelle reported that when gaint technike periotekee the atmosphere. Bay produced a hot gas or plaques generating terminatous battalence in their reped discount to Earth.

Latching proba ReVelaes information King imposed that the platema was justice left crough to headly may the earth's imported held build during the heads is descent the platma would descpabe measuring the magnetic hold in the form of vivey law insquarcy electrotrangembe radius in That mathation would fased to Earth with speed of light coursing objects in the sender of the measure is universe.

Testing his hypothesis. Keey placed tabjects beneath an electrade that embed radiation environ to that given off by the feetball. In a test instances, subjects heard a whoeting actual And house with foce clothing, sizel enrinzed glasses or frizzy har which all electes ready were most subject.

Keey's recent results are strongthened

20 CMN

THE AWARENESS FACTOR

By Patrick Huyghe

hing God weechack see member of the surgical kase boding down at the obsize woman under deep acesthesis. They dragged arother besched winklik inter our ceparating room. The place thy tast and fairous but the woman poor occurvely later on work be any laughing mobile.

A wate later the woman spontanously recals the comments and within 24 hours her mysterious surgical complexitors data up. Notiong the change her nurse checks with someone who was pretiant at the operating room banket operating room banket

The type story is typecial of incidents physicians because the as awardness under anes/losses. The term actually covers a bread spectrum of rights: a close and of which are stories of patients who have been rapidguagely aresthetered sind wha wave upon the modifie of an operation wave upon the modified of an operation of the other ended to an operation operational enteries of their asymptical whose star between on choices they form whose star between choices they form something of which was happenent of an operation. from These episodes of awarnines under buil anesthesis sales the question of whether consciousness is received in the averages. Can perception ecclur in the unonscience sale? Does a palents non-ous system configure to pick up environmental dag under averagement.

There is no reason to believe that proception is not bunching and processing material provides and the processing proceedings to an extension of the analysis department of anextension of the analysis thereasity of Calorina jo Davie Modical Center in Secrements of Tenenal anextension do not bun of the orther environments to beiny well known that the audiony built well known that the audiony built would be one the second or south or of the orther environments and another and the second second built would be one the second or south or other to an orther another second and another and the second second and the second second second and the second second another another another second and the second second another another another another second another anot

Bernethines been able to participative that patients are sensitive to ther surroundingaleven under anosthesis and are able to respond to suggestators. In one initiancia he instructed anesheticated patients to sug on an earlobe during a postoperative instruew p3 of 11 pageta dat sub, and in another expert ment patients responded.



Will surgests socieday be using suggestions as well as academic on their amenthecodel publicles?

to his suggestion to make one hand warmer than the other. Even though they can not conscisuely invest if patients and imponsive to suggestion and are able to act on if the says.

action into says Theradea that cognitive functioning is going on when when is patient is unconsocius is supported by server ingenous annear tasaench. Unversity of California at twine psychologistis Norman Werberger and Debra Steriberg and Paul Dold of the Linearisty of Virginal stagist anestheliced ratio being a noise.

The task were placed under heavy monitoria and presented with a correct of tones blowed by shocks. Some were goven springerfor a large horizontor facult to play an important cell in memory storage with order to a large large to backtorn A week also Thorizontor and the backtorn A week also Thorizontor and backtorn A week also Thorizonto backtorn A week also Thorizonto relative to a large to a large to backtorn A week also Thorizonto relative to a large to a large to backtorn A week also Thorizonto relative to a large to a large to backtorn A week also to a large to backtorn A week alarge to a large to a l

The experiment above that re-menias cain form under anestress, and in helps explain some humon-swarevees operades. Since we know that expressions levels my guess that boos patients who serum best rhings that were an change surgery are also frace who reacted to their operador with this sign of homion it supports with this sign of homion it supports .

Because of these findings, Bernett has beguin locking to similar stress hormcover, in the local of anestherized patients When you go undra anestherized patients generally is is very high stress statuson. The says And if these bothermicals work, in people the same way hery do in animality he threlp the face a class as to here pipple rater information even when unconsolute.

Endoted to the constructions acquires the heat negative internation and interactions acquires banker could have an advance effect on a patent's moderly with the car neld the commanders and consciously recalled such remarks as . This hopedates. This want applie diseases for some patents Anotheteed patents may be winningful on patents.

SUN SEEKER



By Randall Black

Society of the second space of the second spac

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plicate measurements and communicate with home. Add the demand that the potose 450 pound sheat not contaments the satisfies environment with remman then 3.5 milligrams of particulate debrs (smaller them is employed) and tand) per second, and the enginesis pb takes on a moltiments ouble.

Ing there in t Upage Despite a thirth A MSA is proceeding with table of carbon-carbon twishing—his serve type seeks of the history and taked the spice of both and surger polititation of the spice of both and surger politic in the cable carbon state of the incomerce in the cable carbon state of the incomerce option material while organizes measure have many containments are necessed box many containments are necessed forces a controls maker the interferg technology. Rendolph says the major hurdle will be binnet them.

Also being launched from the space of thus shall be space of the space of thus shall be valency that keeps is orbiting at the same distance as the samt include the sun. Because is Centaur booster lade the prove, to clock and be call index of the prove, to clock and the call index of Steppole will not make a led year clock at the set of the steppole of the set of the set of the steppole will not make a led year clock at the set of the set



Starprotale Snatching a piece of Old Sol

Jupier and use the gravity of that planet to brake its space. Then the stowed cash will plung toward the sun, anywing lever frain four years after its sunch from Bach. If it survival the first pass. Stappede will enable the sun every low years, retring and enhancing provisies observations with one of the will systems take.

Commy within 1280 800 meet of the sum the program generative list pass the time scheme passes of the lasers the time scheme transfer the passes of the time scheme transfer the pass of through a strip feel of the ages of the concret deted and meets ungue charavalations in wable unbancial, and X ray grip f A mapping the sum's mapping for the sum of the sum that and X ray and the sum that and the same - concret meet and the same - concret and the sum of a bain Sometha are anowas to take a sampling of the particular emergence somes that darupt static communication of Earth Sometha are anowas to take a sampling of the particular emergence and the the same for the sum to be come to an of boards in concentration.

The instance is also creaters an opportunity to study gravitational efforts understable anywhere selen in the oble system accounting to LPL science. John D Ardeneen By cateluty functing how the solar gravitational selective selection and internel situations. Such takes anywhere the solar intractione Such takes are make or break intractione Such takes are make or break intractione Such takes are make or break hoos theorem (the populates a supply noising solar oper, or even a small black hole at the supports.

The number mode existence barre the ways beyrandb to hink within parsent present the sum could play a mise in instrumous generative structures and the sum of the generative structures and the sum of the digments and the sum of the sum of the digments and the sum of the sum of the digments and the sum of the

BIONIC KNEES



By Bill Lawren

hey belonged to Broadway Joe Nameth and they may have been the most liamous knees in the hotory of sports Battered by 15 years of pounting term gargentium National Football League linoman Namath knees were subported to but major operations

Nahihi wai the victim not only of the orisinghts of densities each sup of a basic departy between the design of use thread here and the physical sequest movied in the gamos pacetal pay. The lease and is, a 50° model, and a lease thread about house up at a few interest human working spatian or briefly which be repose to the establishment shares expose to the establishment shares threads, using on providing, and here bogs to low the the constant held bogs to low like their constant held bogs to low like the low like the bogs to low like the constant held bogs to low like the low like the low like the bogs to low like the low like the like the bogs to low like the like the like the bogs to low like the bogs to low like the bogs to low like the bogs the low like the bogs to low like the bogs the bogs to low like the bogs to low

Next vertices who has domad allocider poids or unimits black has curved the inversion basic thaily. Scan though everyone from the millionese jock to be see of book opport may banked how whet Los Angeles sports of hoppedia: Douglas Jackson data all replaced of porcesting Seatments tox know insures including new healing technologis transplants and synthic and organic space parts. And researches product that in the nor too clear trainer we may see the most assonisting know replacement of all abone knew stawn from a humaberies ware order.

But now the development of spare parts tools most permang. One of the most within table and hequently alguid parts of the knae is the memory alguid parts and the knae is the memory alguid by the hole persons parts and the there is no event.

Usually the impair work is performed upper microarguing. But all have text is image to its opport of Support y uture in text of the policy it assume in any public infinition. Likelier met body issue. The method has do it has not hearing opposite y and thus no hearing opposite y and thus no hearing obtained hom her cost position if the chained hom her cost position if the chained hom her cost position if the other works and the other here the support of the ends and the here the cost position if the other works and the other here the support of the other here the support of the other here the other here the here the cost position of the other here the the here the cost position of the other here the the here the the here the other here the other here the here the the here the the here the other here the here the the here the here the here the other here the here the here the here the here the other here the here the here the here the here the other here the here the here the here the here the other here the other here the here there the here animals the procedure has aloneed blood to flow to the injury, promoting what appears to be full healing. So far, the factingua has been tend on about 20 human patients and Warren is analougly awaiting long-term results.

WallMits litermis also working on meneout transplants in annalis, using certaige front the iscorefy deed. Polemonry woulds in 35 dogs he says lock "researchine As far as we canted" the function appears to be normal."

As far as Waters is concerned, these inside: is leaved suggest the possibility of using baseptines on poster posterial - those within entaties/paranets for leaved in within entaties/paranets for leaved in percess? Waters have been removed "In percess? Waters have there not only leave the new end more of the kind of known which be able to use it not only for the memora abla for some homework."

This is good news for the thousands of people who have authand antibies common law of knew many stretching and basing of the ligament the forus, it rays that hake the letrum and this together the knews lawin approvements are extractionarily happhotic hold oppositely feasible of allowing of generative basis as shacked disable of generative basis to base where the strates leaves to the sovehencies to the source many.

To troat this problem some orthopediets are meeting tray lattice stauctures makes of lattice and according table to some enswere collegem. When placed in the space balance makes the theory goes the lattice will support and sudges the growth of new ligement 1660s which in the could light the late form ends

Because the structure of the learners is to complex and deletes, Juckson says we have a greater chance of duploating it if we use have a greater chance of duploating it if we use have a greater chance of duploating has yadaid no significant results to date for some landson, where we have on it

A seniar lectingue inclusi replacing the lom ligament with stands of cabon their Developed in the last Bevertex by Antime Wests and Harry Alexandor of the West Strategies and Coly helps statistics the contract oversid million



SWISS-CHEESE UNIVERSE

STARS

By Jeff Hecht

he universe is full of holes. Not spherical voids hundreds of millions of ight years across and empty of celax

seems to be made of these holes, University of New Mexico astronomor Jack O. Burns of his felow astronomers are comfortable www.h nerformed in the splendid solution

what is called the large scale structure of the universe its opicial voids as well concern themselves with anything measured in tens or even buckness of

Infrience On that scale calanes like our massive phenomena and by using informahas about them to build computer models.

The Same-change maps of the universe of Anzona estionomer Steve Gregory becan in 1981 Pabert P Kinkner of the University of Michsoan, August Certrier of Yale Univerin what they thought was an average region of the universe-the constellator Bootesthey found a mammoth spherical void about



A computer-penerated super-plueter: Computers row build models of our Swatt charge universe 32 CMVI

Pask Observatory, near Tucsen, Antona In 1963 these men found something even more impressive than a giant hole. Looking

How did such large-acsie formetions come to be? Burns says they could have in dameter As the universe expanded pravity held the clemen regions locether a scattering of massive clusters.

the University of Chicago is able to play out and by looking at the universe on a strictly large-scale bases. As a next, paintentand even some small galactic clusters-are models takes two to three hours on a

So far Centrellas computer work has holes that would stretch about 100 million mites if they were real. Now that their models Eventore National Laboratory are working on a more cleased simulation

stages and both the model makers and the autonomers admit they need more evidence already presented is cood in the Swiss-cheese metaphor DO

CONTINUUM

SCIENCE AND SCIENCE FICTION

here (Drov was very young 1 was accosed at a coefficient of the provided of the provided of the world's leading addrogeness, who can use offer very associate (of boy, broadse you print scarce fiction in if bloes i could enable minimum addrogeness and here encoder grading and addrogeness that a corres have writen access from and that a great many more of them have encoder grading it, the scarched assee with the could

In the references of the second second from the second second second second from the second second from the second second from the second second second from the second se

By science factor (main ties in which some support of Lisson profiles as a control to the days that the source of the science profiles and the science of the source of the science rest, and the science of profiles of the science of the science loss that days (and science) profiles and the science of the s

Today, space letters is not only an accepted part of the comtemporty illegery score, it has become a mentaty of the bearsaler tas and the bag-budget movies of Hellywood. Thanks in large part to be policit's awareness that we live in a high-extendogy world where spacetic matches fail like sain aud of the like the healthan of score-extended relation- de extended required

But what does science get from science fiction? How do ticket sales for 2010 relate to the size of NASAs budget? How does the readership of Orms effect the outring edge of scientific research?

In two, reported ways, First, sources labor methytons the lundiametral bolie of scenae that the universe is knowable and that our orbitration and a second that the universe is knowable and that for works the magnetion of young nations and incomings them to become scientifically librate Science factories at he harry of our owner. It works cut the bears cancels that wave scientific blocks whether conscious of this faith or not. Albert Einstein said it best The eternal mystery of the world is its comprehensibility."

To generative the insertion research, you must head the tockbound table that her unknown can be not extension, there are outone skews add up to two, the hydrogen will before the series of the se

Solarop traction also shows that the end product of solehilic roserts is executing lessenging and luin has age when we would have to get children to study solarop and mathematics, the region tance of solaron (children's material) well be crucial. Soence inclaim shows the results of solarop. This third of discovery that blows the studious work of exploration.

Scence courses in school start with the very handest parts of someon thermototoxics yet important basics the originous yet necessary apackwork. Scence fotion shows what if is leavither the hand works pays of where the magnitizer invention actually works when your stranking amount of Aphta Certaan when you detect the alivers and save Earth from amountation.

As a solution every man who have all load on the microst statistical tell covers after reading sources (clinic as youngers, hole) causes allers all only and is borocan (clinic as youngers, hole) causes allers all only and the sources (clinic as a source source). The abase sources (clinication) is thereas mercy that sources (clinic and sources) is sources, and clinication allers all sources (clinication) sources (clinication) clinication allers and sources (clinication) sources (clinication) clinication all sources (clinication) and all sources (clinication) clinication all sources (clinication) and all all clinications (clinication) clinication and all sources all clinications (clinication) clinications (clinication) and all clinications (clinication) clinications (clinication) clinications (clinication) and all clinications (clinication) clinications (clinications) and all clinications (clinications) clinications (clinications) and

then than in the former woe president/initiated director of Ormal



CONTINUUM



Bears behind bass. Usant felors longuist in Churchillair alstomer---no bail no visitors no litee phone call to a lawy--

BEAR JAI

When the Danish navigater ann Munch finst saled into he harbor at Churchill Manitoba, Canada in 1619 he was looking for an elusive nathwest possage to the spice noth Chiert. What he found nated were hundhold of learsome shagoy while breas

Churchell ethich as ion the windwegt websitem shore of hadron Bay 1 200 miles soft-of Chacage, pails case! with ambreating prote the pais-beer oppaid of the metric No one who's been they autifament of a the northern edge of a migration path user which the great while bears have meanlight whe bears have meanlight or centures.

So plantikil hitse the beside become that the Canadian Writtle Service has conwritted an old Quorser hut outside of town nio a bear jail to handle some of the more obstropenous of the 1 200 to 1,500 polar bears who 1,500 polar bears who 1,500 polar bears who There they sit sometimes in a faul tamper induced by a summer of lasting waiting for the rise to freeze on the bay where they prefer to spond the writer drining on unvary renged seets

The Doug at Inscame by the source of the source of the color of the source of the source of the source first and the source of the source of the source of the source of books of the source of the source of books of the source of the source

"When we thad to use an incinerator instead of the dump," he sexs, some of them extually got incide it. They divisit ingli through the lence. Sometimes thereic be lently or thilly beats milling around and the garbagemen couldnil get out of the linck.

So Jacoba and his col legans sport achi fail lung perky beers into culvert inspi balad with seal mast then carting them off to the silemmer When the bay hacks they to takeated on the col Cinit when the pai gills too consolid are the nobly hard cases flown cul in helping the days and deponted as far as 200 miles up the condi-

Precences in the beer pairs to calls also not permitted waters because the conserectoristic data want them to grave too accountered in numers. Only the very young or physicality non down waters too accountered in numers and the very sound a signed pilot to go to wery fail asys Jacobs

Even sp. septhesmis a problem One 20-yearold beer named Linde has been tacked up to manylines that she's famous in Churchell. Her venous cubehave been shipped to zoos ta avery as Mexico. The rear find her very back, but Linde does.

ade its and by two your

"What will happen can t be

Hopped Am tor grace —Ann Beerl

you want to be that to the art lying about it

LAUNCH ON WARNING

A Brantard Linkessky, computer operations spocellet hes filted a level to block the Linked States from hooleng up a computer system that would autometcelly launch nuclear mission in response to an incoming muchair attack.

Citized Johnson argues Itent is unconstitutioned to gree war-making power to the so-called auruch onwarming computer system Johnson recently suffered a legis estback when the faidwal citized judge doctimed to render a doctaon. The case will now goto the U.S. Count of Appeals in Ban Percesso

"As I see it Johnson says this leavest is part of a slow long-leave process to extract people from the maze of nuclear technology." Im loosening the list screw." This says. "Then transfer acmi-



John Faeles, Guined by a stoon hoov?

38 (D/M

الكريمة وسراحي المريكة الرجامي في المريم ومساعين المستقى على من معالم من المريم والمريم المريم المريم والمريم و

one after me will loosen another acrew*

Although the Utiled States does not yet Othiasity have the capability to depuy the launch on warming system the leichnology to do us a definitial branc gloved oped by the Percepton and States of the States of Definition Capability Percepton State definition of the launch state definition of the launch of warming colori

Not only does Johnson has that the lanch-on-waring computer could sometwo mailuncters and status. Coll bot the consister and prade that weath wan that computer of an oneny motelle sound could thermaphika sound a laise aixin, one that the computer would be unsite to d sampual from the real than.

"To hook this system up in pationers in essence an act of war "Johnson says, "because there is a dolmto resk of it going off acodontally......Eng Mathema

A wondrous cheam, a fantasy incamate: licten campelles us mutaleed beings bur deced with the awful clohotany of heaving only one He and the solety to cleare a thrue and "

-Meno Warges Llosa

"If there is hope for men, if is because we are animats " —Robert Archey

A nation is just a society for halong tone graves



Nancock's Assaled Askvet

HINKING CAP

Resong the lemperature of your head claims a Califorris scientist, can improve your tanking performance

Pose Handock, an issistant professor in the safety department of the Universety of Southern California has developed a helmat that gradually raises head tom necebian TC

Hattopok watered the potencial lowerisk of heat without fix charactacka: Raising overall body temperature increased control-inervice assues heat stroks an effect peducing higher theil normai error inase on performance texts. So Henoock devised an appendix to state head temperature without

Using the heating heimest along with a nonheating placebo heimet. Hencock conducted four preimmeny performance experiments on 50 people of waying aloos. Hencock responding subjects reaction firm to a light board as well as ther light board as well as ther light board ability (Incling are son a printed page folof its to coating) and there shall no spople mathematical and trave-statistic marks. Renformance speed among papets wasing the apecial hearing believes ing the apecial hearing believes ing the apecial to (3) percent: depending on the liab.

Honock pomparal hat he consisten between book kimperature and human performance of each to crossdain hypers weldges of hypers may be tablies to machine may be tablies to machine may be tablies the bable of working of all the hat back to working of all the hat back to be table on the bable of working of the back to be table on the bable of the back of hypers back above such hypers back above such to be age-of desired and high to the age-of desired and high to the same of back and high to the same of back and high to be age-of desired to be age-of desired

History is a thin garment easily punctured by a knile blade called Now

PERM RIGHTS

A Paris court recently assanced a wickow the right to her late husband's sperm so that site could conceive his chief The wickow. Comm Parpalesk sued a Prench spermichank when a refused to give her the seed of her late husband. Asin Paspake.

have had hade the sponbank deposit after being diagnosed for testicular own cer the disease that events ally kaled tem bat he dicint provide for disposition of the mammin he will But tau submony of role and subscheduler and subscheduler hundbed had wurfte baueren ander ander ander ander ander ander einen foortegetanden opperten aufer had subsch. Sperm " at all unana sociation," her Pans court nodet " hat a contern aufer and a die ander ander ander herer, " by meierig hat all begen band had onseled a "speche and die angehanden all weiser and die angehanden all weiser ander ander all bester hat eine auf ander all bester hat angehanden all weiser angemated wich the specim insperinget weiser, but and and onseled a speche hat angehanden ander all bester hat angehanden ander all bester hat angehanden angehanden hat angehanden angehanden hat angehanden angehanden hat an

Increasing numbers of inereven making opera-bank, deposits single attorney Lon-Andrewe, isufter of New Conceptors (5). Matrix Press) "These men don't consists with hisportia to the spetime (thing) die In the Unled States" ofer onys "aperen banks, unlass so inlaucated by the hasband's

will normally don't give the sparm to the widow inclead she savs, they sist

Real P

Contrale Parguetew Woo to bettle for the sered of Me

CONTINUUM



Coxed only dealth Awell's doparture connection?

CRIB-DEATH CLUI

Sudden erfant death syndrome or SIDS-clarms the Rear of 8,000 to 7,000 babes each year in the United Status Iris the leading cause of death in infants under one year old, and its cause or clauses are stat reference

New a new due has surloaded Canadian macical researchastiled by Dr D G Perrin have jound a major difference in the loaded of particitation of the stand of oppartmein the bodies direlated oppartmehave date of 2015. The victane had up is ten threas semuch departme-in them canad-bodies located real loade exclusion and class o model for an energy.

The carotid inferensis carry blood to the brain and the researchers call the tended increase in colpannine near those artenes "particularly spring "Berline responses, takes above that among other things dopartice inject brains shall be above indicate beatting by acting directly on the carotid bodges.

breathing is almost always a

emptom of SIDS deaths fre new study hints Inel hose very high levids of doamine might cause apres ind thus SIDS

Some parapter though are seption. Says Bonne Neiton a country headin human in Nashington State who count adding the setting and the setting of softman. A lot of SUS glucities don't have chough people on the control group? The new report to based on subspace of 10 SUSS interfut and five controls.

SEG reasoncher Permin si also cautious. The isotraordnanty high dopamine locats he says may themselves be only an effect of the iseland soft unknown—cause of SIOS—Joef Davis

Every shout	ph a	3.555	t of
esociation		Actor	e Erre

Money has proved the most sungerous of man's talkionogens

-- Low's Muttion

We do not know more about manked than ancient philosophers did attrough we have more decivit "

SPACE JUNK

Their carrow band of space where statistics nam is beginning to resomble an ality on New Years Day But nasead of empty beer cans space is crowding up with the own apaceb branded dobts everything from burned-out proteil engines to crading back by the the coding to a new study by the Sanla Monica, Californiobased Rend Corporation Ihis spice congestion' could have dire consequences hard an Earth

⁶ Bard A L. Hoten takes the after satisfies at 50 close logates—for sample when they as a hinks to sood hitting another obyect they can pick up initial takes making another obyect in their services that were retroided for their services. Their making to part out these and could lead to make decisition can take the analysis of the services and decisition can take the services and the partial causes of devices of concel causes of devices of concel data taxesment.

Softar to 400 people pages pichtave been idenlad including more than 1 200 active and inactive sate filter. Since NASA is charging SSS million to bring down a single toxobled tabletar the cost of salvaging the intergrinkgat & cowardy prohabile

But mere are at least two toring use that out of keep weaks that is length of any poster had be able and a single poster had be able and a single method of any poster. and posteres - research to some your and a single both would would be also both would be into out of homes way to a comp-ables way to a comp-ables

Light is deviness, it up "

PAIR POWER

On expeditions requiring long periods of isolation, malelemele parts resem to perform botter and with less stress than individuals do

In a study that may have implications for space expodisons, University of Vegnal arthropologist Mananne George observed smallgroup dynamics during the yearlong Frazen Sea Expodtion to Artextco.

Led by physician, author, and explore TO Eand Lows, the bur men and two women were the frid people in many 50 years to inferitorially spend winter adcend a ship in Antactor co Part of the learn traveled through 860 mile of sea cet by sted oblecting biological and weather dite

The two male-female couples were highly atable and afflictive working teams." George says while the two unattached makes "became



The Frazen Ses Expedition -X. Kurrish for mixed pinks

artiggonistic to the expect teens arms "At one point, the two man did not wesh for as months; and they aligh hours longer than other team monitors. Evenlually they were relevened of many duties and did not accompany the sight creaks

George belows sound includence as minor topic and attributes officulties the low rine experienced to personally and molivational problems. Although a lingthy bit and did not toreshadow the expedition's problems George set that simulations." Tas does an possible to the rest thing' might help sound similar touble

Noting that her study is without statistical velicity George axid it is difficult to reproduce the stress caused by life threatening danger is stratisticnes.

"Exphane spreads over our culture kire the broad grin of an abst."

Robert Warshow

COMPUTERIZED AGIN

Free years ago, final-grader Elan Patz set out to catch a school bus in New York City a lastnorwiby funky SoHo clashot Buha kotrapper apgarenty infervement and Patz haa not been seen since Law-enforcement officials ind that one of the most



le luit, Ecso Petz sit he locked une years ago. At right, a commune wainted projection of what he moht look like today.

cincul apects of the ongoing search is that Patz is now eleven with the tocal features of a proteon making his five-yale old photographs hopeless/viout/dted

Enter New York conditipital artial Nancy Burson and her Face Systems. Inc. In 1961 Burson patented an inganous procedure whereby a photograph can be

physicised to predict while the subpact will look like in the surve in Rurson's lectricity and subject's table than leads that visual information to a digitizer, which transitions of into computer their visuage The computer their visuage the factor of a way that includes the factor of a grang Law-enforcement of balls

ested and Burstein soon constructed updated compater photos of three messing chatters Alturation photos of twolve year old Plandian Dee Scotleid was shown on nasonal television insulting in several aptitrage of the missing off There cause prenginal the FBIs incread and Burston subsequent understand the TBIs incread and Burston subsequent But the spatient has include application have flox (plasmo surgeon Dr. Bonry Weinhald allow patients how hity will look after consense regray. It can take the winhald of your bases it have reduce your breaks For plasmo surgeons. 410 e an al-purpose loat

"We have art in order not to de of the truth

-Friedrich Alectriche

THE GILMORE EFFECT

On January 17 1997 the state of Utsh played the executionaria arring for condomend killer Gary Galmore Apparently investige counttry was latering. Due the true days biolowing Galmorité desth by laning squait the national investigation dropped by a steatistically applicant 5 percent.

This "Damote effect" is one of the highlights of a new study by David Philips, a sociologist at the University of Dattoms at San Diego Earlier Philips had shown that hereity autoincred beand matches seem to precipitatia

a rise in the national horscide rates "Because boxing rewards violent behavior." Philips says. 1 wanted to see what happens to homocide rates after heavily publicitied events in which violent behavior is omethed."

Convikiang tiguras tom the Naxona Contro for Health Statetics with Touble purreltmenta, "Philips lound that there is undered an average drap of klobet like purrelt inheritodia rates during the tour deps after publicered hards purreltmenta. In contrast, uppolicitized hards punetments had no effect an bis mundler state.



Gary Giolore The Issuen is to sublicize the outsidement



Politicians may fever the right sides of their faces

FACEDNESS

If you're an oraion there is a good chance you're rightfaced. If you're musical, you're crobably wit-faced.

Receives a newly dotradition to brain-hornlighter dominance is based indigitarian constraints of largehead acquire dominance of the receiver and the second second of the registration of the lace White speaking they done have nght brow a be higher than the last and they done have the last and they done have to be right addeed on the spea-For left-laced participations, these traditions of the speaking the

Ket U Smith rementus professor of psychology at the University of Wisconstr-Maction uses direct observation determine facachiess. This get faced parson, the get and the brow are closer facilities of the left table than on the right in easys The dominique and ends to

People with an aprilude for

40 OWN

hydnin inamotiy and partici nance—musicians for nisance—send to be listaoed says Smith Paopte with good speaking skills ka goof speaking skills ka goof scens—tend to se nishi fared

According to Smith faced ness is garded and appears all birth as opposed to handedness which may not appear with the age of three Storp percentual development is intractely instead to tablind dominant immediately the story of tablind appendiately the story of tablinds appeed opsid lead to a better under statistical of other beaming describes and other koming describes

billiti seaa lacatries as the lins' concrete objective basis for reading cerebral dominance. That's something that handedness could inter tokida."

-Paul Dusseaut

How nerrow cur acuts be come when absorbed in any present good or AP it is only the thought of the factore het makes them great "

OST CIVILIZATION

A great cuture founders in the voltance Casca Veloy regan of Optimise and Equadro centures before the barth of Christ. There one day 2 500 years ago the most share burst into explosue voltance, and of hinges of this ancient people vanish it is oncent people vanish it is oncent people vanish it is oncent people vanish it of all Indiana Jones mode which endy shows that fet sometimes frombadows pool Classic Quantizys Linsi Insentity 3th only buddence of fis exablence was a remarkable calcioner of god of pots the mast segant in the New Rend motely for the mast leader diagonaly agoing calcion and by a complex calling process called the load was abinny to Mart of the process and small Conduction and small Conduction and small Conduction in the state of South American Indians them

Anthreadogais ansumed Mithin the locinity musitiwe deviced another musitiwe there are an expension that calls the term of the second term of terms of the second term of terms of terms and the second terms of terms of whose instances to terms of terms

The eruption that bured the namely excessised lown was one of a spries that devocated the entite Cauca Wiley Donald Lathrap professor of anthrapology at the University of Illinois believes the Qaimbaye Red in all directors bringing mote pertitive people in Paru Coniral America and ultimate/ Mexico

No one innows what else hey might have passed on The only information we have about the Classic Clambays at present is that they were brain intestingsits who did coke. This straff also did small town is our first look under the aeth may Latifrage to were in the pastorn of trying to figure out straff have the evidence from an illineous termologiem.

"Helory contents to facts but those that are the most thoroughly improbable from the stanctorant of probability theory."

-Strasby (en

Tis not too late formorrow to be brave

-Jarve Americang in The Art of Preserving Health



Archaeologists accop up valcenic ash to reveal an ancient outlive Complex restalluray they found Sourched before the Maya



-Marcel Proust

onk Materio-ut ut Maur



CONTINUUM



Holographic dashboard Beurges liver in mid air

HOLOGRAMS FOR

Soon you may no longer have to take your eyes off the road to inside your cars anstrument panel. Inside, tolographic magies of your goeddorsaker tachornear, and fuel gauge will be propicitie out owir the sourplant of the eye howi

Heads-up instrument deplays also holographic-imagling systems originally developed also that fightler plats wouldn't have to take their over off the sky. Now soveral car makes in America and Japon an investigating or developing this technology for audomobiles.

Anvanced Dimensional Displays (ADD), a Van Nuja-Calicoma company saffed by hobographics formerly with Wat Dorney Productions, a working with the Ford Matrix Company on a flipdown holographic sorgen that would integre integres from an electronic display with a wear of the rood head But instructions ageointgroom cur gauges over encoming, rathe (an obvious safety pathiem), ADD is headq-up stiguity would project them forward about 40 feet and also downwand ao ther your spond and full level would appress beyond the trant adge of the car haod and sown on the patement.

The 40 foot distance is onportant, explains AUD's. One Duilwater because the harden eye bocause prefit much the same for 40 loci as it does for many. The poollam with conventional materment parels says Duilwater, as not as much the it in dines has to take his eyes off the read buil the the much constantly relocus his eyes to most the pair one.

Outwater estimates that the holographic cital-librard displays could begin appearrag in high-end models of consumer cars within the next law years

er voo A2Dh begest chalenge is to out he cost of he system Currel misery models run about \$70,000 Using new methods to man/Jacute the hologismit and simpler sectionic displays. The conjuner version includiad SSDD to \$1,000 to-the cars stoke poice - Tim Onode

Artists rever thrive in colotasia Artis do What this building and the restling with his problems in solitude—and row and then a pece of nad missi."

-HOVY MH

'Dod is for men and selgion for women '

-Joseph Conned

MACHINE

This researcher places a noncos cat in a metal box Next to file box is an odd machine: a collection of Work War 4-writage tubes and write.

The integration thows the watch. The mastane hums and within a low renulas the car calms down and stores instaked at the walk of the box. It within the walk of the box. It within the walk of the box. It within the store probability to an integrate probability of the store of the store of the store of the store of the machine store of of the store of store of the store of the store of the store of the store of store sto

The Jerry L. Petits Memods Winnums Houghail of Lona Linda. California, a testing judi such a device. The machine calified a L.da wesi developed in the Soviet Linea and is an testino the houghait as part of a US / USSR meticical exchange program. The Resistantestis and the soviet a distant pulse Innament spottems. The Resistantion of the Soviet Innament spottems. The Soviet Innament spotters is to set of houghait potters. The soviet innament



The Lide calks a car and may work on hymaxy, as well

as incorres hypertensis, and "neuron desubances" (There is also speculation that the Soviets have an advanced version of the muchine that can be used for mind control at a distance See "The Mind Fields," by Kathaan McAulths Febmary 1985.)

The concept of the Lube sumplia as the Sub technology The machine backdory of the Sub technology The machine backdor and the substantial the backdore and the substantial the substantial the backdore and the substantial the subs

The Lute has not yet been approved for care on humans in this country. According to Acter, however the Sovets have been using it to twat people for perhaps 25 years — Nock Engler

"If man were to become even uniformly mad, they right agree tolerably well with each other."

The matacle is that the universe created a part of the flat study the rest of it, and that this part, in studying itself, finds the rest of the smireria, in its own natural where malkes?





A firewalker's burning desire, to gain control of his world through mind power

BY PETER GARRISON

Am Inside the hotst. Anthony Robins programs Hiton parking left 1.4 m Inside the hotst. Anthony Robins programs 115 people to wait, over tools of inscrindosert coalst. Obstand, annul Anote of spectations later around two coress of turning cell logg. Program of seven feet away filtershift mit the back. Several report.

PHOTOGRAPH BY ERIC MECLA





tographers, a TV news grow a first marshall

"This is a particularly difficult group," says sookestran Greene hangs close to the fee for the frewalk. "Tony's been having a hard

A law minutes later a messencer enverse work with allowels. They load the unconbest from fial with the back of the shove sending explosions of agents into the air "He breathe rorsily and carry one fig clanched might remain on the sples. Plantino his loop unexpected candor

The two first landers are still working when wave of music pours out followed by Robelderly prople a liberal dose of yuppes middle-aged men and women. They fast are prance and loss themselves about Many Robbins then moves to be end of one own

Above Preveillans in Tahty (top) and Fie (out-



Robbins leads a chart "Report after me

"Whatever it takes/ Cherneling the followers into two lines. soughts his shoulders and with a brisk, de-

torraned walk sinces across the costs. He newgates the path in four or five steps. At

apart he punches downward with he ocht.

He stations himself beside the first person

And the young woman-fist raised, gazing upward chantrie "Copi most" and probably never used before-prosses that bed of opais rito a ret of watero arms and

Not cape 4 Gree instance presents for the end, where two helpers well with a crowd of stope who have present success Single And Annual of Annual Annua ton) a Robbins disciple is argued on (far right) grace to extinguish any burning facks that take Shreeks go up as the exclass leaks out





stratcely some stilly some learing for-

'You can! You have #" She knoty walks A tuon chevr cores up 62w alone will later medical doctore

By the time the last disciple pads across any a few main descent coals remain Robinternupted prange. He takes three or four

of people. The coals darken. Soon moan- welk. There is a somillation of strobes. His leet turned by the fashes to a corpraike walks on fine. Many of his followers will say Professionals credit the expension with inedness backache and their relixince on

Hale eighty two, of Los Angeles. It's some-

lous-after all, there are no unquents includes in hotels in Hawai and Canada deep breaths, exhales powerfully, and lincks just fesh and coals But shewelking strides across the path with a measured really a votory of mind over matter? Is the anal villages in forthern Greace in the small



phenomenon suggests that where there is

Unlike levitation, walking on water, or spoon bending, frewalking occurs regularia in public locators all over the world and it cultures without evident points of contact in Ohina lindis, and Sh Lanka, and in many

investoators have long challenged liteabout on handbell-age volcand stones that while Tantinst Hindy coalwelkers whom free for the trewskers lack of stands.

Decades later the Finans realized the

lowing Lankadas, they perform an annuol rise that movies music chancing the suctree of soull and, break a strabile delegation of parmilists soundats and carous endose ins. The Inevalians complain of Iniancial builders including the reing cost of subble table builts and hopes to crowd carried

The Investigation of Lankadas conny effigies of certain sparse with litem and are said to spand half an Ibour or more on the coals. They clearn the sames protect them from turns, but the local betop, which a faily sure anthropological institut, considers the nextity pages and has tred to discourage it. His been uniscored/ut the for

In attocably threading sees a new of service of clarence Process expected on The Goldon Boogh that the data was to werm the gold offigen the wakens canned and therefore, me mod the sun gold to werm the aarth and in catose. Frazers explainsion is unconwriging Livecki soom that merely july argution in tool of a statuce anglit to have dono the trick. The response of human period parts to the negot of themas anow character purpose it imports the mergical jower of the correcting to themas.

In the biblical story of Bhadrach Medrach and Abedrego a mystericus burth hyur parts the hine birdstrast of Daniel in the Any furnore. He represents dwine power the si-impered Netochadreszer who has had man biasad into the fire interprete thee indemnity as proof of their inglitocameas they have possed the task to fee.

Tial by fire is having a nanisesance its reliquous trappings have been discarded. But the moviment has assured prophets of which the most ambitious comprovidue, and dismetic is undoubtedly. Anthony Boblans.

Like other Investions instructors in the Unnet Statos Poblemic claring in the down from less. He mosts that Investiging is anchary—the advancement, not the people up. But it has mode him somewhat famous and qualk rich gotten him onto keleveon and into magazines and impressed him name upon the minots of many people who do not actifiately take well-encoursed is minimated.

Robbins is hearty-bury years and the left (Gendon High Scholl, next, Los Aegolio struity bulces graduating, rengimes the post-of which heis still prood-of student body president Hewass inftrm; he pays which he sistian brigt school body when he off the was a near gaint, and cost as with which he issues some follow, and the bag which here is a structure of the school score work well on a stagp like the exapple.

His sommars—Twy are saily more take rewell needings—are of vancus loarns and sate. His clearns to have taught travelling to 15 000 paigle, mast of them through a burhour exposon called. Fear with Power The Freewilk Experience. [\$100, About 100 people attend each seem incr

For \$2 900 you can spend two weeks with him of a vacilition rithiaa and become a reuroimquistics professional

Robbins conducts the seminars with an energy that is tomerical tidal. (The knowl ek. own. edge that one is making 82.500 an hour may have a stimulating effect.) Like lenderheet shooling tapets in a rait his cheris have little time to wonder where they are being taken or why free agreed to go

By ovecoming their fast of waking on order Richten sigs clenthwill kann boah uroth historin consign. The pushty will per mitthmits gam low financial success and prevental power. Richten is not indicet statul ha divin tower. Using sy sign composed of words whose normal insering the motifies or theready is a claim. If the after a bref disservation period. The car insise the claims to be shall to oplicate that persons opprated on coorginal merias.

He harps upon the speed with which he align he can change propiet. It usually takes 5 to 15 minutes to effect curse of vanous nounces photoss and other behavious problems—he is the "one other therapist." Subbon problem lake comers augumming regime from 15 to 5 minutes. Robbins also

In 1935 members of the British Medical Association went to Fiji to watch islanders traverse hot volcanic stones. The doctors could give no reason for the Fiyans' lack of injuries ?

asserts that he helved the time spent by the US Army to train marksmen

Some of the clients are as difficult to verify at to believe. Spalinamen from the Pertigen Army Training and Doctamo Commandand the fort Derming train Doctamo Commandary that suming timas invest reactive been increased not reduced and that they can't vocal an Arthury Robaten Rhotter Immedia heris darky that the Army waters to keep the construction by the

Pockne attributes his remarkable pow en to navroleguste programming in NuPwhich he describes as a technology for understanding and influencing others. He takes pleasure in describing how he can manpulate pocefeit betravic ty gring them schemal core through his physiology and through inscision.

NEP wire developed by a therapet and linguist and is based on the techniques of overall fances psycholineapets. Million Ecetain, Wignis Sale Despoy Beteron and Finite Perfs. Unlike scare of the most salaliand likes importance to decorrening NEP attach likes importance to decorrening Net oright bittack is thruczie decole incursi. Insprace lashingues and other psycholisapproxin methods: Some therapolis canader, the incharge dangerously manpulative and quantum is theoremical bases. But as more modelly provided to the power of metagement—that is no more dangerous than any other head of knowledges and that is so but one of a number of valuable therapoutic lools.

Recent to logie contrain include serminimation of the direct the increase operating of the increase of the direct the termination of the memory and applications and the termination of the dates in the servers to the direct is there and the direct termination of the termination of the direct termination of to be a consection? Information both the dates in the servers to the direct termination of the termination of the dates in the termination of the dates in the termination of termination

Redenses rept leterers sopprar to accept an advantions in the public value of Redenses and advantions in the public value of Redenses crowel with unterray cost and casey dati Trutto shoat this appare less with the this abopt of cost one may not appare with the shoat one of the americ ophone write shoat here, but a meric ophone write shoat here, but a meric ophone write shoat here caved an americ ophone write shoat here caved an appared on the shoat part of advances of the shoat here is a large band here and a caved and pare based band here the caved and pare based

Early in the resource Robins antiources to be will preve the societies adultance interactions to dotter inclusions adultance to the societies and all adultance adultance interactions to dotter inclusions and adultance the distanced room there reare closed interperatively reaching inclusions and adultance and glorease of the watch while particle and and the watch while particle and glorease in their months is a time watch to pay watch in the months is a time watch to pay watch and the particle and the particle and the particle in the months is a time watch to pay watch and the particle and the particle and the particle in the months is a time watch to pay watch and the particle and the particle and the particle in the months is a time watch to pay watch and the particle and t

By matricplin 100 people will be many to how Poblem Hungshim. Inve on this will not Those who follow must sign a wavehow also that a network of costing west antibilities with a failed in the strength the costing the alternities that and show the following the alternities that and show the ballymost your fact off or eventily you. Bate and the strength show the show the ballymost your fact off or event will be under the strength show the show the show the tender does not be the show the show the tender does not be the show the show the tender does not be the show the show the tender does not be the show the show the tender does not be the show the show the show the tender does not be the show the show the show the tender does not be the show the show the show the tender does not be the show the show the show the show the tender does not be the show the show the show the show the tender does not be the show the show the show the show the tender does not be the show the show the show the show the tender does not be the show the show the show the show the tender does not be the show the show the show the show the tender does not be the show the show the show the show the tender does not be the show the show the show the show the tender does not be the show the show the show the show the show the tender does not be the show the show the show the show the show the tender does not be the show the sh



Research suggests that blue glows, pulsing figures, and faces from the past will light our journey to the stars

PERCEPTION ON AN ALIEN SHORE

BY RONALD K SIEGEL

Exclusives an unively relation to the first contain means that indives were pain an energy such that build with borneetical means and that build with borneetical that the second second second second second that using pain the content of the second that means that the second second second second that using pain second secon

After Claude had observed the alien for hours the pod door opened, and the creative cravited made Claude study impres train on the computer keys he screamed and delecated as his suit autometically delevated a transputer.

This summa scene lick place role in the restrict of administration of the bit between the restrict of the same paragramment in the present of normality pretable bits and the bits and the restrict of the same paragramment of the present of the the end paragramment of the present of the the test of the restrict of the same set of the test of the same and the same set of the test of the same and the same set of the test of the same and the same set of the test of the same and the test of the same set of the test of test of the test of test of the test of test of

The scientists controlling Caude's voyage were

PNINTING BY CHRISTIAN BROUTIN

on a massion of their own learning how future advice nauka might perceive alive environments and the alivers hereversive. Their addisaves pair of the noise hast of exoparychology with help us understand how adcrowate regime react to unusual land and the forms on works other than our own. Biolog pang what he Alivers appress that grows before Caption Claude was bein plot and progenitias of our own ansmus challen blocks.

That purces begins with here simple built formatilies intoid counsely, take its commatic advances in the beginning (2001). A Space Dolpholey all primate that the second with introverse bloc Database and advances allierent individual with processe movel strank in additional individual with processe movel strank in different individual with processe movel strank in Database and the Claude with greatery result generation with individual advances and advances and the Claude with greatery result and the Claude with greatery result and the Claude with greatery with an advance advance and the Claude with greatery with a Mada advance and the claude advances and advances and the claude advances and the claude advances advances and the claude advances and advances advances advances advances and advances advances

Expensivers with balacons moreover inducet hole the date contact meson would be altern of induciuiting mouthing at least one learning in the expensivers's the primatal wells of the systematical by explosed to or alternative to the systematical by explosed for or them indecapations than indecapations and female consistently made more contact than groups of make index.

But recardless of the composition of the contact

Item meeting with alers with role to easy to be the forming over Dur machine to be the forming over Dur machine to be methysis and them are to the top top methysis and them is in toppool when representing objects create a weak pathen characterised by anothy experting coobasi. The after that could allowly card in methysis and them that could allowly card in the them that could allowly card in the could be that and the methysis, in Alers Histally too If the theath away. The timpcaltic could be right help assimilation to copie with such unspecified berryp too another with such unspecified berryp to another with the theath away.

Dispite the difficulties prime includes overweither to do with these intercosts ordy a flactus ways. At the three hegenet three herearchic location (in Alaria II) as a second second second second second second intercost of the second second second second bacepart the latest prime second second bacepart the latest prime second second and the three second generation is a second the latest prime second second bacepart the latest prime second and the latest prime second address the

The result? The first lew tros excided the sateline and it wasn't with the fourth gener.

ation that F made sensative contract. When F grapped the solelite several times during the lith gainetaction. G follower has example by the selecteenth ganaration everyone was bling times in plingful scores that would have dialgrand ET is everyowing to

Where a future contact team has been trained though it will have to enclure a long track to the mains. And autoass of modern day estimates here already observated an extinitive let of perceptual problems imposed by the types of space.

Proceedual of the lates in this start during listence with any instrument location of the proteine on the latest location analysis of the sign of the latest location of the latest location of the protein of the latest location of the latest period on location and locations have even in protein ferring of latest location of latest origination and locations have even in proportion for latest location of latest Critica in out automatic have even in proportion for latest locations have reported to the latest location of latest list period latest locations have reported to the latest location in specific list period latest locations have expendies using the latest location in the latest location of latest locations have expendies using the latest location of latest locations and latest locations and UCS list as a luma out the latest locations in the locations and latest locations and locations and locations and latest locations and locations and latest locations and latest locations and locations and locations and latest locations and locations and latest locations and latest locations and locations and locations and latest locations and locations and latest locations and latest locations and

totes the space environment can take the visual appendix into a miniature theater where the eye may proper images with or which the presence of bgH. You work of charging in the rooms and visual contex can block. These same insurants may include these same insurants may include them are and even the included or denomthan are and even the included or denomality that we are the included of the antipictume instanties where the included antipictume instanties are an even the include of lying seasons.

The source environment also makes in rouge lawly to dutice targets strang write the strategies of the year that also source and dutice of the year that also source and the distance of the theorem of the passing Fricky thread capitalises. However, of the distance of the theorem of the target of the many source of the target of the alariced by a source of the target of the many source of the target of the alariced by a source of the target of the target of the target of the target of the lawle of the target of the target of the dutice of the eyels that set public of the dutice of the eyels that set public of the dutice of the eyels that set public of the dutice of the eyels that set public of the dutice of the eyels that set public of the dutice of the eyels that set public of the dutice of the eyels that set public of the dutice of the eyels that set public of the dutice of the eyels that set public of the dutice of the eyels that set public of the dutice of the eyels that set public of the dutice of the eyels that set public of the dutice of the eyels that set public of the eyels that set the eyels of the eyels that set public of the eyels that set the eyels of the eyels that set public of the eyels that set the eyels of the eyels that set public of the eyels that set public of the eyels of the eyels that set public of the eyels

On long mesicine in space, herea base lights and mages mark the hast stage of the trivials with our ordinary concept of reality. Los noodcasts bisacrists, here warm the tranrelet that up sheed less not only the imagery of 2001 is strengthe corridor but also the tralight zone of haliac inflama.







FICTION After ten years you know a house's every sound So what do you do when you hear something new, stimng above?

BY RAY BRADBURY PAINTING BY EVELYN TAYLOR

Lista Peck had lived in the old house for some har years before she made the strange decovery HerNey upstars to the second floor, on the landing, in the being dod" "Well my God"

She stopped dead, mid-stars, to glare at the surprise, daring it to be true

"It can't be! How could I hime been so bind? Good gref there's an after in thouse! She had marched up and downstars a thousand times on a thousand days and had never asker "Darmed old foot" And the atmost targed going

And she almost tripped going down, having forgotten what she hed come up for in the first place Before lunch, she arrived to stand under the trippdoor again, like a tail, thin nervous child with pais har and chasks her toobooht was darton drans arrange

Now five discovered the clarm thing, what do I do with it? Storage room up there, I bet Wel--1

And she went away, vaguely troubled teeing her mind slipping off, out of the sun

To hell with that. Clara Peck⁴ also said vacuuming the parker. "House shill only fifty anumo. Not sende wit, by God!"

But shill why hadn't she obliged?

It wis the quality of siends, that wise a Herroot had never leaked so no water had ever topget the colling, the high bosis had never shifted in any wind, and thereaves ito more if the tain had whapered on the beams growed, on the more danced in her altoshe would have glanced up and hand the topologic

But the house had stayed silent and she had stayed bird

"Bosh/ she cried at supper She line/hed

It was cluring that right that she heard the linst lant Morse-code tapping the first graf in scritching above behind the black cellms shale linear tape.

Hall telep her ips whispered. Mouse? And then it was clawn

Going downstains to to breaktast, she fixed the intpoton with her inteady similing ristance and tot har seeinry Singers twich to go fatch the steplaction Held Tube multipart "Whe hotput to time

Hel, she motiered "Why bother to look at an empty attic? Next week, maybe "

For about three days after that, the topclost variabed

That is, she forgot to look at it. So if might so well not have been there

But around midlight on the tind right she heard the mouse sounds or the whateverthey-wate sounds drilling across her bed room doing like minweed ghosts touching the lot autilizes of the moon

From that odd thought she shifted to turn blowcods or dandelion seeds or just plan clust shaken from an atto pill

She thought of skeep, but the thought oldn't take. Lying flat in her bed, she watched the cealing so fixedly that are felt she could X say whatever is was that cavorited behind the plagter.

A lea cacue? A inter of gypay more in eodus from a neighbor's house? Several had been stroughd reportly to look like dank oncus tints so that peak killers could tast in wilker bombs and run of to list the secret life in the darces cie.

The secret life had most probably pecked is fur luggage and foot Clara Rock's boarding-house after free mosts was been new hotee away from home

And yet

As the stared the sounds began again they shaped thymosives in patients across the wide celling's bow, long langer rais that, schaping windered to the corner and that of the oth evaluation choice.

Class Peck held her benefs

a CMN

The patterns nonsearch The soft provring leages to cluster based on area showed and begotto far backnown door. It was as if the hy notatives which we have were, were muching another ancent door, store, weringout. Shavely, Class Hous as a grounder bad, and shavely she put her weight to the Tooo, in waiting it houses. Shavely also cocked har backnown door. She passed out into a hell tooord-with tracking in toon a bulfhoor, which passed through the landing werders to show the

The transfor

Now as in summoned by her warmth the sounds of the tray lost ghost lost above nathed to cluster and lifet at the rim of the trapckor trail

Christi' trought Clara Peck. They hear me They want me to---

The trapticer shuddened gently with the tray rocking weights of whatever it was arusthe up them.

And more and more of the investrie spicler feet or todent feet or the blown ouris of old

 Around midnight, she heard the mouse sounds or the whateverthey-were sounds drifting across her ceiling like mikweed ghosts touching the lost surfaces of the mouse

and yellowed newspapers touched and rus tied the woolen frame.

Louder and shill louder

Care started to yell. Gat

When the phone rang

"Gah" gaszed Clara Peo

She left a tor of blood plunge like a brokenweght down her hame to crush her toes

She ran to sego iff and shancie the

phone

"Who" she cred

Carel I's Emma Drowky' Whatsverong? "Ny God?" shouled Clara. "Ru scared the hild out of mell Emma, why are you calling the bar?

There was a long silonce as the woman armas inwe lowed has own hereaft.

"Its ally I couldn't skeep Thad a hundh-

"Na. kt me finsh All of a sudden i thought Ghreit not well or Glastis hurt or-

Clara Peck sank to the edge of the bed the wogts of Emmas voice pulling her down Even start, she codded

"Class sadEmme a trausand manuff you-all/git?

Winght and Clara at last

"Not sick? House and on tee?" "No no No "

"Thank God Silly me Forgive?"

Well then good right'

And Emma Crowley hung up

Clara Peck sat looking at the roceiver for a full mentile listening to the signal which satd that someonic had gone away, and then at last she placed the phone blindly back in its crude. She want back out to look up at the trapector

It was quet Only a patient of leaves from the window flicketed and lossed on its wooden frame

Clara blinked at the celling

Think youak amart don't you? There were no more provis, dances mutitude or mouse pavanes for the rest of that right

The sounds returned, three nights later and they were larger

"Not more ' said Clara Peck. 'Good size rate EM?'

In snawer the colling above executed an intercase cross outrenting ballet whout music This los darong of a most peoular sort, continued until the moon same

Then as soon as the light laked the house grew silent and only Data Peck look up besitting and its again

By the end of the week the patterns were more geometrical. The sounds echoed in every upstates score the saverg score, the old bedroom and in the library where some former occupient had once turned the pages and paused over a size of checktur taxes.

On the tenth right, all eyes and no taxe, with the sounds coming in drumbests and wend sproopations, at there in the morring Class Reck fung her, sweaty hand at the helenthese in the Environ Consider.

"Clara" | knew you'd call!

Emma it's three AM Aren't you sur provd?

No, I been lying here thinking of you I wanted to call but leit a tool. Something is wome, ver?"

Erring, answorime this if a house has an empty sitile for years, and all of a sudden has an atte full of things, how come?"

Leicint know you had an atto-

"Who did? Leten what started as more than sounded like rats and now sounds like cats running around up there. What II do?"

The telephone number of the Retokway Post Team on Man Street is-wat Here Man seven seven seven nine me You sure samithings is your stic?"

"The whole damned high-school track

"Who used to live in your house Clara?" "Who --?"

Imean it's been clean all this time right and now well, infested Anyone over dia there?

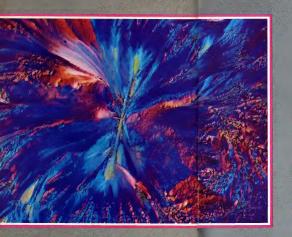
- Dec

"Sure if someone died there, maybe you haven't got more at all'

You trying to tell mit-ghosts'

Don't you believe m-

Ghosts or so-called mends who try



THE ART OF ANALGESIA

SY BRIAN MCKERNAN

In the second second







The intangible quality of pair is captored by the indescent shords in a pain reliever?



Josef ⁴⁰ Stapping supporters, which is the same three structures. Non-supervised systems was not been the set of the same transmission of the same transmission. Do satisfactor of the same transmission of the same transmission of the same transmission of the same transmission. Do satisfactor of the same transmission of the same transmission of the same transmission of the same transmission. Do satisfactor of the same transmission of the s

Conder Herrington's
microscope, the paintille's seems to
erupt and burn Ne
bie levers this medication helps to subdue





Besnick had almost everythingmoney, power, woman. Now he's not something even hetter the chance to live loweur.



BY GREGORY BENFORD

cold-a burly tenned figure in a Wert- get a better look. meter topcost with the special cobait. rult Walter James Restack & walking experiment

smooth skin. There was no sign of the basiving rother apendances at apple and the public rend the private the origin

there weeks long. Mobs didn't have Resmok shock hands with the di-

he man who was going to live memories, though, and this one showed & They called out to him blew He came out of the hospital in mixisses clapped their gloved

Some showad and wrigpled to get closer to the TV remote crew muo-Officities and a coartine curb. Bornnan studied the crowd. Their tages was already in the can shot inside so was part of the business. Otherwise, mousiately combed black har He lessly He had been a minor stringer waved with the descelorers of hebit for the city's second-instant paper the Indexe at the meth without seture it. Hereit for the only is seture in the part to only Resruct made a Mile sparch that

mood. The media had made Ree- the wind caught and lore away. The reck's long battle with bore-manow quals brought light anow the fland cancer the shift of legend-a lonely into existence under the glaving tights struggle against apparently imposes and then whitled away darting under

right?"The starting outcome capped oneam shirt, next to the flond Demarone of the most upliting news events cas be. The speech ended it would Sure, if your memory was maybe preumonal leaving the hospital

PAINTING BY BOBIN MULLER

rector of the hospital and with the head soontist for the research project, getting freques the life coverney for the cameras as glaceluity as possible. Then he clucked ward a black limourne.

The crowd cheered and surged feward him. If was always that way with big orields, but his time there was a francis edge to the reaction tert

Ha's known, Brennen could magine box thriving. Our brush with investrative wat samathing begur than we are. The healthy well-muscled frame boxed and slipped through the inneutrie door, not looking back. Dent on soft wat

Reprick wet: The Impuerte pulled out Faceless exercises had slipped into the facet anits. The carkined windows showed nothing Brennan couldn't even tell where Resnotk was sitting.

Biernan brushed by a man who was snyng to a woman. Til be able to say I saw the test one right when he came out

The woman said. Hoy did you see the way he looked? Like he'd just been to Flor da or screethri.

"Hale, instead of lyin around in a battle

News sad he date avan known Thought held been asleep overnight or somethief " They both laughed

Bernsen wits parked riegally halfway down thablock. The sadden snow hary heat peopleticity primes up traffic, so he kept peopletic the point of the clink evences and sharing the building on the left. The dinker never index to write with write the solution of the left.

There was a parking toket under his whichheld wiper He crumpled is up and thew is no the outlier.

Brannan slid behind the wheel of his anonymous blue sedan as the traffic light changed to grean.

Ha adged out into traffic and gunned the origine. The light turned yellow before he reached the corner.

His stomach knotled. He tramped down hunching over the wheel

The sectar had no pickup worth speaking of it bucked once and accelerated skigcishly nio the intersection

Red light A horn bland to his left frightaning ly close. Then he was through and the lands were clear in front. He water speckled peaking ahead through the water speckled windsheld.

He closed his eyes and felt nazises, foir His somach would intuined. Ruby tailights coasied by afreed of him, but he could not sel which was the into

One block Ten

Had frey turned of? The plages and Reprick would go to the Hilkan Some move and TV papeds were putting on a perty for him, welcoming time black, like hild black welcoming time black, like hild black weaky on a long tip or something. Reprick hach trade file money in the media but the back breaks in it.

But if he was going to the Hilton he should be right shead on Park Onver That would be the depot route

Arother block, Brennen was getting worned Jiks somean starled lightering up agein Temest-alwaps block/Status I hat and the hot somealon lower down. He he had to base a compel of a sourcem Only the mever dot it packetbalt why Humkeing Ho had gettes used to it, but it off mede her face bum

He came to a big giving department store it was desed but the lights were difon An wary glow pound onto the stated shead

A grocery truck slid into the left-turn letw clearing his view and he suddenly allw the lett he special to The lime pulled into the slow late

Brennen resized that he was going too feat to change lanks. He had to pass them, inside straight about They turned polit.

Not going to the Hitton not unless the chaufleur was a complete moron. So much for the papers

Then again maybe Resned wasn't in any periodal hurry to get there. After all, the men

 A big snowflake stuck on Resnick's shut night next to the Demicrus tile. The speech stopped. It would be irons if the immortal man got pneumonie leaving the hospitel ?

row had all the time in the world

Brennen turned into the next devoway to were in big steel and glass bank, with is sprawing pasking bit. He crossed the bit At the formed there was is wooden barrier and andowhere middling

Howard through The wood strapped off and shooler outsted bising behind him. Ho turned right again rito a side street. Down hall a block treshesing on the gheay black Threasen mutty-intell of theacealaitshoote mesond rito the air.

A red light here coming up He slowed looked both ways Nebbedy to be right. This ran looked like a long light. As the vent with the turn, he spotted ruley billight a block ways on the lift Nebbedy value on the steet. He wast strikuigh the red light and sverved life lines accentain.

He hit the grachard The ruby lights ahoad got closer, and then they tured off into a diversely it was the limb.

He stopped tify yards from the driveway The bythess in his bely tode like a store as he walked down the channey and into a big summound for the estigate of an apart ment building.

There was a parking attendant driving a

Nercedes away, and the timo was empty.

Beyond it was a big woll-lit foyer Brennen could see Resnick leaving the loyer through some revolving doors

The balanced, gamp pase the observators which a game III where the sevent the lovolving operation III where the sevent the lotaining up half the graund floor. If gave the impresence of passing through a said of these with a gain through the lot before the sevent setting the through balance of the sevent through them the case is a gained in uniform. An elevator door was coertig on Reservice party.

Demn He might be in there for days

There was probably some smart way to get past that guard, but Brannan couldn't there of any

He walked over to the elevator. Wher's he commo down? he saked the cuard

"He doesn't tail me bud." The eyes nat rowed "What you want?"

Tim Herb Breman, a reportan for the Her ald " Replik nover know what a stringer was, that the just sent in occessorial precise and cidnit have steady newspaper work, so re inverse weet clean better.

Visuant FF

Brenzen took out the little leather packet and unfailded to the Herald card

The man nodiced No reporting maids trata the word

Brannan sighed realistically "Yeah, print, media are always the last."

Hell Reenck wouldn't to: CBS follow him around even—thef's whet I heard You got no reason to buch

Berman shrugged "Yeah maybe youre right Can I wai hore?"

"No way man." The guard sucked on his teeth. "Rearchis socurity people say nobody should be allowed to wait inside the huideon."

Why rot? Are they alread i'm going to breathe on him?

The guard hughed "Guass so They even had their man outside in those trees earlier. Whitee to her

Daniel min

Washell

"Tikey fi wat putycle?"

Hemodded "I (puiss so Stay of the pothway though Management don tike propie blocking the way

Serie!

He wert out it had gone pretty well. Once people knew who you were they looked right through you and you could get your job drate.

He stepped back into the trees and watched the guardior white Thomso kont look out mo the gardior others just at all desk and watched a television. Broncer could see a fraction of the screen reflected in one of the doors

It took has seen in moutos to scalize the guad weart watching a TV program. It was a socurty scooper-led by cameraia in the building. He planced around nervoutly These—two incorspecuous should harrying meer the foyer And another one nearer, plan



PAINTING BY WOLFGANG HUTTER

gice trailer way be pool send too long? Tet her one working was strugging to have those licities the hypotoces beasen had evaded her to silve some of her depressions beasen had being another ensuing a some of her some She was describing a unique experimente the tensition of duality a phenomenon called the hidden observer

smaller What you reach age here will you rate your moder there?" "What have an your refit now?" What have an your refit now?" What have an experiment of the method permit and works, releving a printing out here seem, consider a defense what was going on in her find de what was provided with the saturding, saying "No can write beauty" the the over writes was

The woman closes har eyes a clother into another world, a loaling of pacce comes socking dispected comes backs away with the la pack a Cure socking dispected of vice. The flew momenta you we cause to go back to bac

HYPNO ODYSSEY

Welcome to the world of the hypnotic trance, where anything is possible "This research is bringing us close to seeing consciousness is thuly multiwell replants Exercise, where the experiment was conducted. We may be clearing an always aware and prophyle part of consciousness and this prevent alling time.

Letterents work is part of a new weak of weaks in a commence of discourse that altered is a commence of the other and the terest with it, band of the control is have been as the second of the second of the deal perception — How we expense the presentpast and how we expense the presentand down an unsupport healing prevents the widd, all provides that part healing even indewidd all of the human body.

Nucl of the work done by Laurence and dhash his comsisted of dupleating and expanding upon the research data in the Sevences by psychologist Ernest Higard, now publician emeritari at Standard University Higard obscovered the phenomenon of the tadren observer.

The instruction of the second second second second by a second se

Inlight has a strendy discovered that the mind can function on two levels emultirecurst in a hypotal text, here was able to go a group of highoal text, here was able to go a group of highoal text, here was able to go the names of the colors of a chert, unavere that at the same time and of their hands, inhelide from new week hidding a panof and adding up a colors of figures.

We had been doing come automate with ing to demonstrate how the mind can have divided constrates, in a says for he part research he devised automate taking a varation of het techneque. It says things that contained availabilities informs inform galaxy. Higast deplace. It is a lattle between taking in your deep "

In one separatement, the hypoteneod subpose were told that one arm would be imprevious to pain. Higher then applied a boundpartand twisted author transport, the left on to registrim masses burring that may when the hypothesid subparts were mustored, none reported any sensations of pain or discontent.

Then that hyperbold said, "When I place my hand on your broukder I will be able to able to able board of your board." The autystate mmodelety actionwindiged the pain in their and arms. "To the helder observer it was a matter of hou? Highed reads." The pain was ingestered to 1 if was not investeble to concount averagender."

Higard suggests that the information about the pain is made naccessible in much the same way stored kirowledge can be the name made inaccessible to someone in hyprotcelly induced ammensi. For example, a person under hyprotes can be taid to larger the name of his best franct. Athrough the knowledge is have the consolate mind cannot retrieve it. Hegan therefore suggests that here are two control systems in the bodythat them is uptil conscrumings at work.

Now researchers at two Canadas unventities Morisolis Concordia and Waterlas and taking some of Higgst's findings ore stop further Laurence and his colleague trees found that this two-level model of the mind applies to much more than pain relief This multilitivel processing goals on in everydex Min Laurence says

In the course of meetigating the value of hyprices for poles walk they found that he hidden-observer clement can have surpraing efficials on how socurately hyproduced subjects remember

Typically a forenaic hypnosist may try to giff a withless to review a crime by regressing him to the day of the event. The hypnosist

I was two people, one standing off to the side looking at the other. The one standing was saying, "fou can write your name. Why are you taking so long?"

may then tell the subject to focus on a desail to zoom is on a license plate. For example, if the whose did not see the license plate clearly this request could become a powerful suggestion to heliucinose an answer

The boundaries that guide up in every optimic on or tool in hypercase, "explains one of the investigators, Kenneth Bowers, polossace (psychologi at Wilderson When you apprograms people some are able to immability control with estimationary wichase. But have in no guarantee that is too you can get a very commong containation of hartings tend reeffly. Hyperotecid with Prosee that opticing failures that is

In a noti demostration of this i Lucence and fellow spectrogati Cambol Perry of Concorde innoisation is grant of 27 highly promotable subjects They also do ach participant to park one right on which they programmed such adapts accuracy "they also regressed such adapts of any they also regressed such adapts of they are programmed and any off they are programmers classed levy do Dang to hance many work on to bishorate electrice stones boot stange happening in the plant and such assist thanks. members of that group were convinced they had been awakened by a nose that right

A week hiter Lawrook onsideroped in sizout by showing participers workshope of thohypoors becam. Bit is of her ubstack presented. Seel one. "I'm perty damind ontain—I'm positive, I hared there noises. Comment like this show how sing hyponiss to enhance is writered monthly damind all fairties we welly as in noise the size and fairties we welly an in noise the size memory Lake during a pain size. We size work in their monta. This presented a pedlem to the operationated

The weight back with Higgs in data that the the channel of the paint of the weight in the morther methy, then those who have a should be factored to have the two eccude of the those and the specification of the second of the those and the specification of the second of the those and the specification of the second of the those and the specification of the second of the those and the specification of the second of the learned to second the second of the second of the learned to second the second of the second of the height all there are the second of the second of the height all there are the second of the second of the height all there are the second of the height all there are the more than the second of the height all there are height all there height all there are height all there here he

Lauerce finite that what his seeing during hypoteement fines the thrut of his experiments—is only way paople adapt in line, by reconstructing the past to conform with person perceptions. Memory is "not leave a topic mecoding is suggests Lausence." The a contribution of what occurred and how a contribution of what occurred and how a his reflected perception—more in the with only sef-control perception.

The multivele way of processing information has also turned (a) magnet down to income has a source (a) a magnet down to compare to During the outputs of the head of source and the processing of the head of source (a) and the processing of the head of source (a) and the processing of the head of source (a) and the head of the head of the first warms that and the head of the head of the down of the head of the head of the head of the down of the head of the head of the head of the and the head of the head of the head of the and the head of the head of the head of the and the head of the head of the head of the and the head of the head of the head of the and the head of the head of the head of the and the head of the head of the head of the and the head of the head of the head of the and the head of the head of the head of the and the head of the head of the head of the and the head of the head of the head of the and the head of the head of the head of the and the head of the head of the head of the head of the and the head of the head of the head of the head of the and the head of the head of the head of the head of the and the head of the and the head of the and the head of the head of

The environment are is applitudes in about 60 percent of the galaxies here has been pare the correct answer Ar some livel have a passible processing of homemochine allows one to some whet is conservations of their processing her believes unitation. Paorent appearances albut unconsocial but unconsocial table of the solution of the sample unconsocially influence the guesser's deruise. The reside tables we have some these metal books " the says. This is often releval to as metal"

Only by adviowledging white Bowers calls the multilevel quality of human perception out we begin to approach the subto complexities of the mind says Bower in his work on a polychologist the uses more tradecal contenance were to





A master of Japanese design uses wry, apad-mitured humar to drap wewers through a trapdoor of surprise

BY OWEN DAVIES

ber who had reason to know "is a sesources which must be preserved at at costs. One of Japan's most creaunderstand and acres Fukuda is Jacards empland of apply a concept that holds a place in Jacanese life that is difficult to comprehend for anyone packed anwrons. Japan crams hall the Japaneer for with a lew hundred roles of Toiren, more than 30 million.

An apertment with a twing room, bedroom, kitchen, and of them are a scart 11 feet equare. Relief from providing is impossible yet necessary over Japan's population swells

Ining space tself. At his house in Kamériazawa Fukudais while hone that when seen from the side becomes a red inclusive span becomes door What appears to be the one who on its back-that brought Fukuda the limit down front door opens to a blank wall. The real door is in the such twowell stands in hord. Clearly he is a marker of eu- sides at once. Winoss the sel-portral literat peak, with



sion greating the Wellowing sense of space where note is available

wheresies that decorate his home-a mercaller phonograph record a Typeblacked sciesors, or the plaster heads of cabbage and lettuce, draped with a hupe find epp. Other undertakings are more ambitious

In one of his creations faloes of Feloatelik best-known works, and

probably his most ingenious, are sculptures that change from one object to another when rotated 90" Many captures It was two of these sculptures-Encore a volmst who







which is transformed into Fukudas. Frist initial, the letter 5 (blows), when useen from spotker apple.

Docesimally, though, the two mages are unrelated, as in the woman who metamorphoses into a text, right) or an angel who area not the voor disample Ac always, https://docesim.com/ac/always. https://docesim.com/ac/always.

Japaniorg ago learned to crim the greatest utility includes that smallest possible notive. No worket them test Flakaba has won great honor in econt years. As concrete and hard-agged inclinetopy aprese finacity has becomes before headin Asso becomes before apprecised each year as does no good-humored emperio.







CONTINUED FROM MICE OF

"rearranging the indecualis of the fact. He also admits that his himself has been burned on two occasions. One sime the houl of a talk show detected Rottam during his walfs another time coals became lodged between his loos.

Revealing's parties is agricult. Congram to casis adjust can control all body pain Nerman Course. Invently here address of the Spacety Reveared nois in adjunct proteoser at the LCLA School of Mectones has altered a the body nerminal school of Mectones of two bodies and the subject of Schooling. This adjust of the subject of Schooling. This adjust characteristics and the subject of Schooling. Duposer to shelp they have all patients and patients are marked and transcriptions yields that the institution.

"If world have coverd. I would have borned: "Course cays. I and propin like mo, live in the vests of cause and officer Neurotecturing what protects workers from the loc Course doubtishe could have marterised in reconsary interface table. But which to characterises to these provided ho characterises to these provided ho characterises to these provided how the course of the second state. Which how the constant is the first which how the constant is the second which how the second state of the which how the second state of the which how the second state of the second which how the second state of the second state second state of the second state of the second state second state of the second st

Shuffing between lash and skepticism. Coustre aaks. Why is the bed only egnt feat? Why not twelve or safetim feet? Why is intercessary to mestar the feat? Does it comisals to the short distance?

Pubbins answered that last question when, on New Year's Eve of 1984 - 150 people toversad a 35-loct bed of opeits—a. Gummess Book of World Records ferenals, as Picchard Greene proudly put if

Countris is not alone in making is correccon obtained heaviliaring and healing. Richtras datemis that remainder all cancer follow participation in this sessions. And the C call stronger, the Fost Warth earlier installicities whose imaging thetapy for cancer that is contend wide publicity toot Polibriting samnat wayked the coals and emphasized the laclade in all the receivers

Servoriso says that conventional theap per work only incombined with a confident lead constative mental stands on the particithe patient. He obtained with the site of particle. He consist contend that he is a hereiless position particularly in light of the inmeterie terthief of upmo concerns.

Many members of the method coartishytroody accord hard hermed does affect the body an outsin ways. T can beleve the recal stable affect mense exposures or even that of a both these-mense bat swift industry. Another the state and the recalized of the the second bat swift here and the second bat with the Los Arpelac. Courty the logical with the Los Arpelac. Observer interess here from existant could prover interess here from existant and method.

The contrast to the contrast of the factor of the contrast of

Why stought tail often turfolds 5600 easy?HawiThe Tathut acheved the m possible? Not really Several scientific explanetices are being advanced as to why here exercise can walk on tot coals.

Offs one of the labites of finewalking Those who emerge unscattled congratulate thoracies, those who get burned feel crushed File becomes the test of nghteousness ?

Jaak Walke protector of physics at Developid Stati Human and Loginaus hor of Statiski Arencositi Anthona So-Developid Stati Human Solita, Solita Solita Statiski Statiski Statiski Solita Solita atley patient base hor of the poil atley patient base hor of the patient base patient in Statism of the poil and solital atley patient base hor of the patient base of the patient may base at the poil atley patient base of the patient base at the poil atley patient base of the patient base at the poil atley patient base of the patient base at the poil atley patient base of the patient base at the patient base of the patient base patient base of the patient base of the patient base patient base of the patient base of the patient base patient base of the patient base of the patient base patient base of the patient base of the patient base patient base of the patient base of the patient base patient base of the patient base of the patient base patient base of the patient base of the patient base patient base of the patient base of the patient base patient base of the patient base of the patient base patient base of the patient base of the patient base patient base of the patient base of the patient base patient base of the patient base of the patient base patient base of the patient base of the patient base of the patient base patient base of the patient base of the patient base of the patient base patient base of the patient base of the patient base of the patient base patient base of the patient base of the

UCLA planus physical Benard Laked a sispipation in emportance of the Usedon host effect in treveleng the verse the costs bemployase that sufficiently done and mail seveno sufficiently good conduction of hast to buse the fixed during land of outstat

Laymen Lokind argues usually don' distorguish between temperature and heat The motion of inciduates is heat. Temperatures constant disc is a malopous to "tofness. A small container can be Med by an amount of water that would beelly will a large one. Semiarly, as object having life mass can be raised to a high temporative by an amount of heat energy that would bandy were somebating more measure.

Two other factors also come into play some malenels regise lists heat orkeys por unit of weight to sale that temperature a given amount then others, and heat enweys moves more negative through some materials from through others

a defourt and a set of emotions a bulk a bulk of the set of emotions and the set of emotions are set of the set of emotions and the set of emotions are set of emotions and the set of emotions are set of emotions. A set of emotions are set of emotions and the set of emotions are set of emotions and the set of emotions are set of emotions. A set of emotions are set of emotions. A set of emotions are set of emotions are set of emotions are set of emotions are set of emotions. A set of emotions are set of emotions are set of emotions are set of emotions are set of emotions. A set of emotions are set of emotions are set of emotions are set of emotions. A set of emotions are set of emotions are set of emotions are set of emotions are set of emotions. A set of emotions are set of emotions are set of emotions are set of emotions are set of emotions. A set of emotions are set of emot

Though the temperature of incondescent costs as at least 1202°. Hey content verythtie heet energy because they as ind macsee They are a fully spongy meterical as light as balls. But he too is masses and Lekind aggress that is physical properties are mountly variateooxas to those of weter

What his loss tettes upon the cavil, inhinks the subscale luper of the cavil loss of as hash to the lost but hearts the loss level initia. This is because the fost a mich modil measure than the topmost luper of the cable has lever pottern of the cael. But because carbon as process and the loss more slowly and the lost is grant back or grafcent transfer hear societies.

Why then do some people get buined, even seriously turned?

It's not a controlled experiment. Lakind says People have different first different ways of walking and they take different paths over the coals. It's not that you cannot get burned, it's patithal it is not nearly as likely as flucks.

Levend suspects that accuracy all today plags adjust the two reductors of reported today. A test all accretions to accuracy status is a set of the today. The set of the fact, they ary (notice today because of its fact, they ary (notice today because of its fact, they ary (notice today because of the fact, they ary (notice today the set of the today (notice to the today of the set of the today of the set of the today of the set of the set of the today of the set of the today of the set of the

Lawind attended a Pabbins seminar with a tirend UCLA essentish paychologia Bill McCarity Twy agreed to conduct an imperinght experiment Leénid would noman outside to work the subgradional of the semme McCarity would take the seminar Alternation to the subgradional of the sement time caret a basility lead bed of costs

Psychologist McCarity noted that the Bobbers traveleng technique-turn your even upward clench your tes breate hereily chart Cool most and orieletate when you reach the end-environ a number of well tecome adaptation for blocking pain These necked reporting a martiallie phone looking way have the second open and focusing abantee on an internal case. In this one a Lanzaerkie benefang apple Heithnike the hoar of the day plays a past loo. Frewalks usually court after manipper 4 at a low point in the carootion cycle, when comony activity a generally dui. McCarbing data get burned alghtly such fait no pain increase head all the time.

Leakert tierd bester "Once her coals had been sprace our. Here coals and any "Instantiation of the second second temparture. I serve dask hodrents when paragetes that had been Pabbinss people dennts be Bocking the heat comerkow but forms that make training-to the heat make begeta spacefully werenit getting burned as frawe there put coalists be that much heat ensure thereing

In defance of Robbinss prescription Leiland looked down breathed normally and though about the costs (Jearl Walker in his physics classes, took no mental precautoots offset).

Boburs took Lakind's performance in synds it omgi phow, he says it het Lakind has at beet gatent - physics - en which he has total fash He darint getburned because is sinceraly between he wouldn't. Actually, Robers skys Lakind wail definisity in state during his walks.

Lekinds wilks were not a controlled every pervinent and has auccasis war and a source his proof in merely puthis hypothesis on an organizating with the most over matter beory But is a prefeative typothesis has ago bocases scence does not seek intrethed research of his apporters, the principles are most of his apporters, the principles of any statist is a constant hem.

Nerman Occami would like his scalation colleagues at UCA. No investigate freedally mg ("how ker, his adva, can blazing daturhoodway. I averan uselikely her devisione expenses at laveland end have a solution makes at laveland in the advance which is actualizing hipperfloading and probability consider the sauge beneath their attention and most solutions in their attention consider the sauge beneath their attention.

The fire is out The parking lot is naivity empty again A beneficial main double the bods of obals with water, the TV crews colloci there equapment

A maintenance man coabbed and ordely shakes his head disapprovingly over what he has seen. "They ought to keep an eye on that guy, he mutats

The fire manshal is getting ready to leave He too, seems deturbed. The bean hauned for years to keep people from doing what all hese people just did. You shouldn't play with the, Fire and people don't mix.

And then he adds, as he buttons his unform jacket against the right ar. But the power of the mind is a beautiful thing- OO

west in

James Burrough of London, long renowned for Beefeater® Gin, now brings the same smoothness and delicacy to imported vodka.



BURROUGH

In the next thirty years, our homes, jobs, schools, and very bodies w/V be transformed, but the human character will remain unchanged, strys this shrewd forecaster who knows how to ask the right questions

INTERVIEW



a if chang a television interview, a racia talk strow on the Officially mercorn spectrum ine group to an annumber of end of the suggest the outcome of ennes of evons same questions. What makes you a before inno-rimple towcaster than anybody dise? Why are you more accurate at preciding the Shah of Iran. the unrest and instability in Poland, the polacel up-

The not a futurate. Celeon always replice, "begauge futurate clarm we'll colonge space in fifty waas, even though it's both unnergo. sary and too costly to do it. Futurists prophilisy that solar power theil solar energy costs twice what oil costs today. Futurets freecast what they hope will happen, because these fantasy scenarios. are now, next, and clean, the fantasies don't penalize anybody too much and don't hurt the environment. I deal with latte-with tend is and computers. That's how I make my forecasts

As founder and president of the Anington, Virona, firm of Formcatting international Catron conducts computer analyses of the hosystein tride, and the militarist stance of leag. Long before they became realities. Cerron practicited no-fault divorce, the graving of Arrence new wind arrangements between the search and the new

In his book Encounters with the Puture, published in 1982, Cotion predicted Peacen's landshide resilection in 1984 at the name time that he foresaw the East-West German rapprochamers' He towcast declines in union memberships in the United States and the parallel rest of industry in states that have "right-lo-work" laws

PHOTOGRAPH BY KIM STEELE

and the creation of the checkless and cashless accarly. Because old poople are living longer and more poople of all ages are geting divorced he prophesed the advent of the internet American living.

In his look. Catto diretariardi the cumway success of the personal compation in horms and bacanzensis and als generating as the also nashed as do low others. Hot compatient would parent invert penglis to the Middle East and nating unreal in South Alexa male handbanelle meet imsale in the Middle East and nating unreal in South Alexa male handbane gat an Marve Cateno conso and they would. Already handle with outdoes of the Fully Cateno sources above the South Alexa Cateno sources above the South Alexa Cateno sources where no the Twee Fuel Cateno and the Fully Cateno and the Fully and Marries not be week-free Cateno

We use any free relations to highly because in contrast, the same path lensing important. Some of Colorest is noted by instantial registerious free highly and instantial registerious free highly and any strengthy and the location in path about. The first is noted in the same path about. The first is noted in the same path about. The first is noted in the same path about. The instantial register is noted in the same path about the first is noted in the same path about the first is noted in the same path about the same path and in the same path about the same path and about the path about the same path and integers in the same path and is noted into a same path about the same path and about the same many share it has making goal out path and its many many share its and about the path and the path about the same path about the path about the same path and is and about the path and the path about the same path about the path about the path about the same path about the path about the path about the same path about the path about

New theil the chieseled 1964 has piezed it search appropriate to ask Cation to make some new Retroated of the changes that may tyrolaim the United Station—and the week Cation was informered by Washington Post consequences. There is a Disclet who come thand Encounters With the Future O Tools conducted the interview in Detautis Attingtion offices across the Peternic River hom Wathington and within having distance of the Petalogen where Genus goths start in lose calating more than 30 years ago

Ommil Before any congratulations are made on how well the latercentry of Ercounters With the Future turned out, tass see what waan't laterceat and site. Whet did you mee?

Cature Vie mainstante war ne her Finikanov ya mie Nich nydol i lecograze trał Agenten would nydol te etatorzi i staro mere guaranta Mir Hrene Minase Marguert Thatzer would orgage na wen trak would oost mer handen finit hanosate dolare (or oost mer handen terbert betar wene maly righterg fur Garatae for Hong Kong far her Hersch in Neur Garatae for Hong Kong far her Hersch in Neur Garatae for Hong Kong far her Hersch in Neur Garatae for Hong Kong far her Hersch in Neur Garatae for Hong Kong far her Hersch in Neur Garatae for Hong Kong far her Hersch in Neur Garatae for Hong Kong far her Hersch in Neur Garatae for Hong Kong far her Hersch in Neur Garatae for Hong Kong far her Hersch in Neur Garatae for Hong Kong far her Hersch Kong Kong far her Hersch Halt auf her her Hersch Kong Kong far her Hersch Hersch Halt auf her Hersch Kong Kong far her Hersch Hersch Halt auf her Hersch Kong Kong far hersch Hersch Hersch Hersch Halt auf her Hersch Kong Kong far hersch Hers

We also missed on the House and Senale

Shakh Yaman got good grades at Harvard Business School He knows every time the Saudis fail behind in their loan payments, they'il pump more ol to get their money back

electron by a title the haugh and rightly as the PhaseIM regime work again binned back no his Wither House built of the most that the America proder work of the most that the America proder work the people contril warm is proper control generities. They ward the facture of people that avont the facture back work work and the second second second second and Regime as schemes who werds what the yeard the value back that people and Regime as schemes who werds what the Ward Texas and the transport and the second what the people and Regime as schemes who werds what the Ward Texas and back that people and Regime as schemes who werds what the Ward Texas and back the production and the second which are people with the gene in the work the schemes and the second the and the second which are production are production and the second are producted and the second are producted are pr

Others Let's talk about the future of energy Energy was a tog deal a few years ago the Arab of embargo gazaline lines high piece smaller cars. Has concern lessened?

Others Saudi Asiani controls the price of oil if the world conserves energy the Sau dis con produce enough of to take care of everyone—and that what been happen ing since P55 Saudi Asiae has over nine ballon diskers invested in the Unityo Sales There in the model of development when new industrial economy, but they here to keep parengized in they's exploring immifashinal locar as to 2004. They fail bains in 1982, by 12 bits obtains they fail bains in 1982, by 12 bits obtains they fail bains on the second second base bains of the locar bains bains being they fail bains opport protect in Human Bayerses. School the interve that welfy time have fail bains being the many back. The most they parts have measting values aga, and the prote kops measting values aga.

Omain the data with comparises event data within their the last model as comparise? approving to that their limits there will spool them comparises than televisions easts in American households. The considering the all absprech on these quarkity you gith them is probably takes places around 2007. Use if all absprech on these quarkity you gith them is probably takes places around 2007. Use if all absprech on these quarkity you gith them is probably takes the second you gith them is second on the quarkity and the second is second on the second on the house hundred second and the place to the the second usakes. The only was that of all compations are will be been the gith out the the records

Drink-What do you think will become of the loth-hour workweek?

Dates Plaqsis will all work stagperroryb lang hauts in New York and Waterright to successf They will all site have and These place when the Inter/New-Your Waterroryb pack of the stage of the stage of the stage (see A personalises all the Inter (III) they will go to a hearth hour workweek by the year 2006 as some people will need they they been regressed. In publicing book, suc-



These aren't many labelinisias on the road to Holl. I noticed this dude from four miles away He stood where the

Indicate the does here too their amough vision divers its registration of the second second second registration of the doesn's accept in this although the doesn's couple in the second second too the second second second second registration of the doesn's its calific takens tarted ran here calific takens tarted ran here reversite and well-as the second reversite of the doesn's its doesn's access the second second second reversite and the doesn's the doesn's access the second second reversite and the doesn's the evolution of the second second tarter of the second second second to doesn's the second second to doesn's the second second to doesn's the second second second to doesn's the second second second to doesn's the second second second to do the second second second second second to do the second second second second second second second to do the second second

aquested at the tap of my tool. The some slowed, and the bag dessil mate that gui deep de nosaur beich of shuddenedcoveness. I leaded across the cab as everything came to a hait and swung the door open.

Where you heading?" His isophod and shock his head, then spit on the soft shoulder."I den! know," he sad "hidt, mayba." He was then and

BY GREG BEAR



states and sold the

Driving dead souls to Hell every day may not be much lun, but the pay's good, the perks are line, you're a union man, and best of all, you'll never be unenployed again

somed wet long, groupy Neck ber and Navy prevs and a weet his assive had uses altry and Nat of holes. but the tosthere acount of holes. but he tosthere acount the crowe were begit and may locking — phoses. If i level and work doi: File boots with the loss burned use ind allows the counter of File boots with the loss burned use ind allows the counter of phone in the counter of phone in the loss is and and interplayed, looking for work.

"Can I take you there?" "Sho." He climbed in and cesed the door shut behind him.

Inspect his technol, then bleve his long nose and staned at miwith bloodshot, skeptess eyes. What you having?" he asked "Soule," I said "Whole sheload of them."

What kind?" He was young, not more than twenty five at the most He wanted to sound nonchatert, but I could hear nerves in the lone.

in his lone "Usual keet," Load "Human Some Hars Koshnas this hme Don't kok too dose anymer" I pathed the track along, cotoing and manipaleting.

PAINTING BY H B. GIGER

wondering if the engine was as bad as it sounded. When we seek up to speedeighty eighty-five no smokes on the road-

"Good Bitu?

"We're unen like everybody eise " "Iheard about that," he said "In that idde

anything level along the road

"Nuch Beal down loke. They said toomsters bosses get carried in knowsnes when

"Don't resilv metter how you get there i suppose The triple short, and the time after

Getting there is all the lun? The asked trying for a gen i gave him a shallow one

What're you doing our here? I asked a lew meaters beer "Hou aren't dead, are you?" imagine anyone else being on the road. Just

siow as if it rendamissed him. I came to

Yogh?" Not much surprised me but that

"Shorill's ter name iscelled Woistkird" but

"Got a organite?" Lasked Loidn tumoks but I could use it later He handed me the last three in a crusil-proof pack and didnit

Havon't heard of her, I said But thon I "Tknow he said "But theard about them

You know," he said "I heard some crazy stories About how they use old trains for tramine. In Mexico its old buses along roads alwing at maht-

"I steri i dorit use al the barefits," I sad

Sure out you," he said notiding that an

He didn't assarer for a moment. "I'm goilig two me to get in before Add my davide way my names B

We didn't say much to each other after that for a while He stared out the right with 92 ONN

dow and I watched the depart and feraway

Soon the mountains came looming upspace sparrs compressed on the road en-

'What do you do when you get off wark?

Ge home and sleep

you mad or nothing. I'd just heard about the perks and I thought- he peollowed, he

wate by chores "I start 3 of your have to look through even/body that's ded in the ket

6As I geared the truck down for the dealine. the trailers got initiating They could small what was coming, I guess Be pizs stepping up to the man with the knile

and I was somy Id said & "She's only been cone a weak" he said. She don't before

My arrest of the wheel

"I tred to tail her when I world that a more-force but she benored me What could

He wasn't looking out the window row Ha broucht her stuff i meen ahe look it al when pone i didn't hear about her being diad un Elitad date and and that saily burned me didn't even tell me lihad to go up to har room

Identum my of those parks light with to make it clear i couldn't help him. Foks in back out enough trouble without me 1 think

But they fait you'd get knely need company" Bill said quetty kolong ist mo. "I don't hurt the toke back these. Maybe give them another chance to you know think things breek from the maalt---

"Listen a couple of hours don't mean nothing in relation to elernity I'm not so sure learn ter rating themsomeday and if the s

Yests " he said "Got you man & know nght now and all you'd have to-

place I wanted to change the subject

'libeh Howd that happen?

"Couple of aposterits my promume wert

me I was a dead-ender either get out o trucking or- I shrupped- the I couldn leave tucken it's bad out there geting

"No men. Bel saed owing me that whole

They gave me an advance enough for a down payment on my ng. The truck was ornding a bit but maintaining. Over the mountains shrough a roofly impressive pass very rugged rocky valley was the Oily

"Ident tark I d better op on Bal and "Th

Weil, Id feel botter if you rode with me back out of here Wart my advice? Bac

No. Ed sect "Thorks are way Not with out Shark "He took a deep breath "18 by to

At the top of the pikes I pulled the no over back and we wont our secenste ways

The City looks a lot like a courty full of the where cathedrais Casang against two high hichway turned on its side. As I cleaned the tradets got entating again. They could email. " what was commo, I guess like pige slopmountatheman with the krite

and backed the first trailer up to the holding own Empirates ist down the gates and used

a dog. Fotomat a dog. Fotomat says there's nothing there

anti matter

UFDs says Elen Crys bit even to like her. And after dozens of dose encounters over a percid of 14 years she's gotten to like from too

Gryatelli says site wai her leis UFO in 1977 while shit s teragor after her banky and moved to Califor ne. "Our neighborn which a says from after a white is gave from loo Soon they statted offers of closer. And white a leverachte i was so ter field that t was so ter field that t

When Crystal got back East though she continued to see the UFOs. And ne-

persity toroad her to accimitate the strange shopes into everyday Me. By 1961. In fact she was scarching for shan vetors in rutal Pine Buch. New York.

Coolucing her investigation with ubdogst Hemry Laber von Grystell spent evening after evening in the hald "We ware going to Hele Bush regity to phrougabli spaceholico landing in termes Telds" she claims. In one greatly en langed publie Toolde even melle out a group of hei alters met boeket te sometimis out of the Sam West bit some

The logits variated from Pine Bush in November 1981, out Crystal Content back to see whitter helps had nolarined Last August the says are loand from. Since hen like taken a lot of people up there and helps was an the UFDs too she reports. We go running through the Metho seem to had there open hirdly do not not the UP. So seem to had there open hirdly you take to surver. Then lights were no help taken and had the dotted that the

Accessing to Crystall, she's had trouble substantiating the

UFO UPDATE

enginengin egers backled by he gauss to an ordinary site with a quality lies. I might get the space-ordin set. But a quarts lies costs \$1500—beyond the budget of - grid sphool imuscaie working her way through Naw York Up version as a hits terretain.

Despise such handscares yrail berinniad berinniad han genedia silw organ regitar sinn for data e D. B. Te maar on hawe o'dt seets is de transmiss. An sea, They also gene to be site to generate the on robot tomatore. Das night we aw vertout analysis for registri met oberinnen source and the source of the set indicates the source of the source of the source of the out store size in boarding of the source of the source of out store size in the occurs.

The research for their inclusion UPD swaptic Robert Shoaffyr seems clear. What Drystal carls UPDs of hors might note to as dmily it planes or stars the ways. The inclusion is more common their you month thesk. OWEN OWES



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Fogular beint name their propie can consorting born up whow? appending open dary list largering the survey of the largering previous as apportances. Further combustion is make may have as apportances. Further combustion is make may have applied to both associations of the localitical more analysis of the localitical mystery to graninal allower and upper applied to the localitical mystery to graninal allower and upper applied to the localitical mystery to graninal allower and upper applied to the localitical mystery to graninal allower and the localitical mystery to graninal allower mystery to graninal mystery to granina mystery to granina mystery to granina mystery to gr

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The truth Nickell and Peptier asset is that Picose took seeping pills and doce off with opprette is hand The operating gated her overstuffed char on which service selling, and her furchable rightcomes eaugen kale Hen was 60 pound body fat i she was 60 pound perkensight i ner feld the figmes And contrary to sensational versions i to kent the receive is i on rend objects in stifige of the face with Conneged

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take more going for them have from going for them

They perform consumption surgery to East, and so uncleared operations (but they believe that, and clear they believe that, and neare through them, who do reare through them with avits to implicate to the two ong. They converte in actions these within Lancethal is persented.

T ough the practimum respr. Skit is city for geons are not exceed catrix

celuter paying me credutas Greenheft Bayinstead hey are Canta in members of a perfusion with microso methods in Bacci alera Aprimaliya ame of Cardiocams at own means of a microsoft relifected on the Catholic taking Greenled records the two of the Catholic these and of the Catholic these and of the Catholic

The hosters specialize in small operations. The seen one pull an accodent victim. a cas wreck and bright in a mehropologist in is. The one live is a lost words delition goint upsations instead he removes derly breast can bert yis. Jumes and halfs, membrase cutif the can

He put shick the patient to thrike. God holds live membrane with part of the ceps and pages it away well seconds as says threat heir seconds as says the has same to a share the same as the herman to show a with more the shows a with more the status privating in the ceps in only from the treat second as the status is writed second not lead shorts.

Alter the optimizer patients receive antibolics and other loadmont just as after conpatients are given standard treatment antipolice chimometers are given standard

Gippenhers has followed onlight a few patients and nerver for kongor than three on fear weaks. Most are up and are and the day after surgery he says, and infections the rare wen Dawits

me despest level of the reliable we find not texteake but relapany



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ANTI-MATTER

PARTICIPATION AND ADDRESS OF TAXABLE

Silveni ywasiago atali Robert Linkewas of Piymcuh. Brgtand diesoweredis gaseri kelis main named Edward McKersne kung in a mitali sib studi in some twa branchis. Lankuwerz dubbed he tamp Diogenes ate the Greek britosocher. And hengs

But Roberty when the opened while of centros at uppseverity live a local under takes called the Phymouth react Department with some starting news. Lenkewicz with locking for a montoan to emain the oth man so that his nucle body could be preserved and deplayed inthe acted is lineary.

In Lenwewicz s words Degenes would exertilatly become something like a large paperweight

Health of coals quodes moved to coals be odd manment on the the odd manhealth of the odd manphic odd and of the odd manphic odd manthealth of the odd manphic odd manthealth of the odd manphic odd manthealth of the odd manthealth of the odd manthealth odd man-

White investigation question (call people for clues to Dependence is keeping mum risk angues that he is doing nothing new bockues bockues have been kept as memorihave been kept as memoriate for certainne. They are reminders to the sweg of beer own mortain's Larrise-



and the second s

Lerivewoldung angenes object soft five s "Hunature Father Christmas when he was alve in death he adds his hobo is beautiful heart or and skance

Here be strilling as all the all ention and concern he sighting now. It's more than he ever gas when he was alwa. Lattleewise ways porting cut that the old main was fully aware of the actuals, plan to keep her on display in he library.

That was fire with him Lankaeedz adds. He used to say White you are alive you can live in clover but what you are dead, you are dead all own.

Charles Const

It is not receasing for the cublic to know whether I am pking or whether i am sonous ust as it is not receasing for me to know it regulation for the to know it regulation.

Description of the local distance of the loc

spense abaptoriset former the The Landbacks in sportprofile of approximation sportprofile of approximation subclear is second test determined and the comparison result for the comparison result for the comparison result for a second test approximation the comparison the comparison test and the second test approximation test and test second test approximation test the second test approximation test and test test

Laf sasted when he conlocatus begin watering a gloup of platter incy had count is been primer but when Byums and Bops water odmany upside more tranbut prist of water be manage almost webled the Boxet spacer mascer. Under weptikas conditions (he water look on the shade of a generic web globule floaring limits web globule floaring limits web globule floaring limits web globule floaring limits and breakening to short create contrilis.

Intelligination of the second string to do The resourceful Rus sams placed themselves on esther sube of the howeing blob and chark (

When to 3 spaceout his boar sinking Y instances here yillots, of the Johnson Space Centre I Housian ports out that American willing to the American willing to the American willing to the American Mark the Stating willing with a near the facility willing with a near the facility willing with a mark the Stating willing with a near the Stating willing the American water—Desphalatio price.



A POAL ALIGNE IN

Mexicans may red be the inty legal tables snowing over our exclution to bodies According to Datas get physicis Lindy Whiteburst instationating ingles of South America constantly with past to under and into bottor states from Teas.

The problem Whenung says is that those who control American radio was larity scan northern regions must winneable to Sowitt nuclear attack but they gamesky grant asrgams the south. As a result he says as normy attacking from the south was to be more used whenches ...

But UPD skepts James E Charg disagrees 11 Whas hurd has noted right has says the may be descening autome drug strugglers no Bares from culler space Margaret Sachs

the are hunsing for rehoved masons for believing in the abavest

Lawrence Dungt

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but Nettern Hol decide of the Psychiat Research Foundaries in Chapt Hill None Carolina has suided Trais purported psychia aplines and makes life tooage manado it is too because the wented to give the research research diamatic ord for they report

Lingue observed link dosaly is said and don believe her clarms are in smy say part of a holix.

Not every one agrees inserver A group partiel (CBCCM) date Conventions for (CBCCM) date Conventions for (CBCCM) date Conventions of CBCCM and CAC and CAC (CBCCM) and CAC and CAC Based homes insignation and CBCCM investigation of the Based homes insignation and CBCCM investigation of the Based homes insignation and protocopypanel fined Streamen when any particular for the air choice bying Strough the air choice bying Strough the air choice bying Strough the air photograpic durinitiely shows her piloting the phone across the room

Buil Skannon reservs Rand 's comments. There was no holar shudivad he says. Triais powers are leghtening, and Heared lighter adeby.

Once the was sting onbe and of a char with her armutoward the when I soluhe ada attack' her II soluing/here muchs, and I wak what is would pin her logs I also saw the phone fly at last seven intel. A couple of tartas if her Tine so hand she screened

According to Tinats mother the past year has been rough on the family and her disupplies now the object of teasing and indicute in spheol. She can do his stuff at with Joan Risch says The sector teleschisory

do it only in the lab There's been a lot of damage to our house from things two and doors Beleve me this is noting anybody would care to go through

Sherry Baker

I feel as if I wire peracholing down, down with no hope of ever lending NTERVIEW

CONTINUED FROM FROM HIS

mig a business and speaking Last yets I made one hundred helves asserties. Any one of hose advises in capture is would either the industriagot of a thesause I onput authorities of the yourget a physical lead and hose busined in yourget a physical work stephane, and I you don't, you'll work twenty hours and lead like each bour is in responden.

Gew/ Will the computer be a great equalizer for women, helping them combine metherhood and their carsers?

 main the Nintes Law satures for too called women spoks will discripter Albough dis truit plat human, sechars, and sechards are paiddess bookumenhane are canadreed women, port, and a second momen has women bless an analyterior momen base and based primary recornes from to you have her computer will allow people to be more like includuals when hery control work?

Orders the ind campletely but most of the new The induce which most women in concert address who are pairing the same pays an end when they auditer for these per any concert and when they auditer for these per any concert and the same the same three stress that the per times are same three same with other per times the concert and complete and the same three same with other per times the communities that the data is a same three same with other per times the communities that the data is a same three to come and complete and complete and complete and complete and complete and complete the datas three data is a same and complete and the other and the same three to come and complete and the same three and the same three the same three and the same three a

One (Must ine futue to low-tool inclustion in a high-tot work?) Howey relating all makes up a large part of our decompacts. They if they but there people will ack there. We are headed for more submeton aspecting in compared works of segment manufacturing if do not see the segment manufacturing if do not see the working-class and a loss-to-class. What ido measure a one great big model classthere account is the bodiem of model.



and use tower at the case making and of 1. The submarks that where the tracemarks because the start of the tracemarks because the start of the writers parents: measures and the start of the start of the start of the tracemarks of the start of the start of the tracemarks of the start of the start of the tracemarks of the start of the the start of the start of the start of the start of the the start of the start of the start of the start of the the start of the start of the start of the start of the the start of the start of the start of the start of the the start of the the start of the start of the start of the start of the the start of the st

Others You task about both an enormous modele class and about the inner city which suggests well shi have poor people is this a contraction?

Cettor: There will be in port class, but I beleave in cost be a class of people trans of to do special post. They may not be needcated but hey will be intramical to do some imperioduces. There will be not a variable for people who haven 1 got skills such as working nday-class cated in in general intome levels will converge

Other There appear to be too many lawyers and doctors in America, changing evenhother leves WE this control in?

Given We innove most and most leaved parabalist with complexity innove most thready of most complexity innove most many of most and comparison for light without the second second second second grant second for most second second second second second for most second metal second second second second second metal second second second second second metal second secon

Organ Let's talk about the future of the Sunbeit. Are all the jobs migrating to Florida. Texas and Southern California?

Green That any party has ubes an else any party up any target the set water of discontrating where whose any water of discontrating where whose any water of any target the set of the set of the set of any target the set of the set of the set of the set is and the set of the set Concerning They have been have been provided by the second second

Core: Boyon york user a nite nation of the Boyon starts are an also nation present and the Boyon starts are also present on the Boyon starts are also present and also boxed and also also present and also boxed and also also present and also boxed and also boxed and also boxed and also boxed and boxed and also boxed and also boxed and also boxed and also also boxed and also boxed and also also boxed and also boxed and also boxed and boxed and also boxed and also boxed also boxed also boxed and also boxed and boxed and also boxed and also boxed and boxed and also boxed and boxed also boxed and boxed and also boxed and boxed also boxed and also boxed and also boxed and boxed and also boxed and boxed also boxed and also boxed also boxed and also boxed also boxed and boxed also bo

Write looking at the segmention of the speer and look of how and limit well as compain the loss of human internet and the segmentation of human internet organization and the place and look at the selected limits as supports will eschape point of the body which allowing and which apart (of asygnatic taking here around 2016 or 2007 taking and place and which apart (of any autor taking here around 2016 or 2007 taking autor and any and the Waha's your long at the Waha's your long at the Waha's apart from Waha's your long at the Wahay and a the Waha's your long at 2000 the weeksign human long at the wheat's your long at 2000 the weeksign human long at the weeksign at the long at the long at the Waha's your long at 2000 the weeksign human long at the long at the long at the long at the Waha's your long at 2000 the weeksign human long at the lon man the span will be one-hundred years or perface over a lote more levely three years and maximum months, a chird barrig born level a year longer. My grandson who is two years old can expect to level mark heighly years when the enjoys only an average his open His grandchirden in 2050 will have an ow engo ego of one-hundred.

Orner. Unline planners are cyste worned about the takene of our largest ofges especiely the citized and the beginst often auch as Naw York which have lost jobs and population in the last the in-tem years. What are year thought on the satest?

Geten : lawari gat komuch tops te our larget otter, expectely kee Weik, including te tomage of Methatian. Daes with oppialanas of methatian ean in big studie because the resource we ofgr may bail tog ches nu singer weal. Daes used to be the paces where we had good studie and the paces where we had good New the only places matchays can take at the big paces. Daes used to have the

 About the year 2000, travel agrences will get together with NASA and oller twoday shuttle trips, which might be called celestial weekends

both schools now the best schools are in the statute. Tome will be the baby the places to school new 61 the main school places to school new 61 the main school new places to school new 61 the main school new 61 best or comments in the vestion were school place to grammess and well comment to date the places and better school comments compared to the school new 61 her to the school new 61 her to 50 her to and 61 her to 50 her to 50 her to 50 her to 10 her to 50 her to 50 her to 50 her to 10 her to 50 h

Onsy Going back to computers, what will schools start using computers to teach chill date hance......the so-called have Ris?

Celles: The polyaering perturently the tederal government and the computer manufactures themselves will make compotent available to the inforces. The kids will use the computers in the degrame Aringht they ill be timed over to people laking aidcause consulter skills or to people be. Hear possible and the end of the end of the end pt at Athe major there of tax, last will start special counses to become computer taxes. At a leading unvertey, i cost lob only been as that and possible cound the because they are brothered word the for bearts. They are brothered word the path sage doccessing to new are not norm faviliates spirit ponche somer more norm faviliates spirit ponche somer more saming face mach result and a towing face two if the child chooses to the comtent sour the source result are as and a towing face two if the child chooses to the com-

There is a plaque of the set of t

unitie dark seas of space?

Cases The text may to use of Max worth get here to of load another many years 1 that more approach with optical south that more approach with optical south works and approximation of the solution and policidity according to the total and policidity according to the total the south optical south and the solution the solution of the solution of the total the speed of the total solution in the total the speed of the total solution in the total the speed of the total solution in the total the speed of the total solution in the total the speed of the total solution in the total the speed of the total solution in the total the speed of the total solution in the total the speed of the total solution in the total the speed of the total solution in the total the speed of the total solution in the total solution is total the speed of the total solution in the total solution is total the speed of the total solution in the total solution is total the speed of the total solution is total total total the speed of the solution is total total total total the speed of the total solution is total total total total the speed of the solution is total total total total the speed of the solution is total total total total total the speed of the solution is total total total total total total the speed of the solution is total to

Deex Heres a final question that you right think is right of the wall. What is in the fulline for things like greed. List dishonesty colruption, and power plays? Will marking's basic character improve?

Cables: There is a decrement tensk in meet data there are particle and there are also and the second second second second second second target encourses. In their ample, May reduced and a second second second second second second and a second second second second second second and the second sec



Is Three on Incentil Influence Upon Our Lives?



ocean of space? Is earth the only habitat of intelligent beings? Cartainly the phenomenon of life is not a chance once. Somewhere in the countless sharing orbs are minds. how ouny by comparison in mental and esychic stature we may bell These strange, inexplicable feelings we have at times ... are they a lugaing from the recesses of space upon our senses? Are they the effort of Cosmic beings to reach out-to find a bond of communication with earth?

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the mysteries of self and of the Coarsic
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IMMORTAL

cutside the doors. None in the trees as far

But he thought he saw something ours moved every now and then not awaying in

An external quard, then, One of Resnek's

The homess flooded through his outs again Burning cols crawled up through him adding to the weight in his belly

He bit his lip. He was scared-sure. But he had thought if over and he couldn't hold

He shared and fourt he bands deep bered to wear abves. On the other hand

that outer Seconds drocking away gone

That was how the TV ouv hed sed it was

Springskwlymaterikie adrifting am scraping away the cellular gritte of a litetime autoracino years from Personal's body while he awarn-examp, healing curring his sian siently shedding like snowfakes in a night of sportsy silves

after year while his own cancer was chew-

Irre tred his new method - a cancer seek colls and killing them of it they didfit match

And I worked 1 aced out the bone-man get, lying in wild down there in the cells. It

Charge the oil tells And lube it. Ten mil-

Fasekk volumened for it same as the most who uninsteemed for artificial heavily and

Only Resnek had boucht he way n, spent

And it would stay that way The process took dozens of specialists working three shifts a day month after month. Nothing you could make copies of, like an artificial heart Labor Expensive labor So the Resnicks of

Brennan squeezed the revolver in he

Across the garden under a tree, another shadow taded and then reappeared An-

p long time, like he was hiding. Exactly the

He need out to the walkway and not some bushes, and back to some rearby trens. He

The querd inside was assi hired help, a rent-s-cop He didn't have the checkles of one It Restrick's main party had braced Brennen had sinsedy seen Wilkins, one of

So until somebody in the know sew Bren-The men in the carden had taken the elevetor querd's acceptance as good enough

So it would have to be a long shot-and a

He baddit tred the thriv-two at inc wat at least had forgotten he had it until he was hend up in that hospital, watching the nowsup his less and down his throat classic and X rays trying to find the bowel cancer, trackand again, running up the bills, shooting him herd wake up saveating at right, the red love dreams swarming in his head, and next morning they dimake then collect this stat at

The elevator door opened

Resnick was looking straight out at him through the glass, smiling broadly

Bremanital: hot oil skring through his guis

ding to the quard

Strokent a cooperite. Grovern Looking forward to the Hilton

The two shadows in the garden were moving Schoustes meters from one tree to the next. Converging on the path, to dove

Well, Brennar, witin Loono to give frem the from the darkness

He had been a pretty good shot once He could get in two maybe three before they

knew who the hell he was

All the calecular ballins in the world coulder fix up bullet holes

Reantick pushed open the glass door himset, beaming. He was coming out on his way to the Hilton to meat as his famous hands.

There was a sell leggy woman with him twenty years younger than Reands, brorelist her full, red lips set in an easy, supenor smale. High-healed shoes and is while over under the fur coat

She stid tomething light and any and a mutmut of convariation came across the chilled an

Two guestids walked in front. Bronnan actived in a breath and held it leveling the petol on Reenck's outline, squeezing a title on the trigger altered. Two-honded hands infort professional style Weating until these was a clear space between trees i enough angle for a clear-

A shot boomed A men in front shouled correcting, and an orange flash came from scruts the parder

Two quick explosions

Screening A muzzle liash then another Brannan Irozei hie finger rigid. He hadin't fired

We figures were down on the walkway and the tail woman was stumbing back to word the deviators, a high segged acrean coming from her

A man ran into the trees, away from Brenren and fired three times at a shedow infat

"Hurry get a doctor! Get a doctor!" someone shouled A dark figure bent over the welkway and then jumped up and pounded into the layer.

Briantan walkad alertiy past Resock's sprawled form. The eyes staned biankly up at the failing white failes.

Two man wave bent over him, trying to get some signs of the out of the body, but there was a big hole in the chest.

A dark stan spread over the Wertmeiler

National Patients in the mail of the mail of the the first body under the trace and rolled it over it was aman emacuated simmothed A petiol lay on the snow

The second was a woman, sell alive the was about tony years old and a sour breath came out of her, a smell he knew was not right and would not gat right the had a thoulder wound.

No weapon weble. He telt in her coat pocket A kitchen knig

She blriked up at the right above nat soang him her lips were moving, but no sound came out

Brennen dich't say anything to her He walked away through the trades

Nobody tried to slop him. They wase all running around and yelling

He gut dicht bum anymore but he knew I would forronne måd dicht metar Weise made tim føret groud neely good, as he hat he cold, allek straat was that here were ofter sick people in the world millions of farm a bit more han there would ever be Rosmeks **DO**



tallow Internet present hory

which makes, however, but the way

Frangelico

Along them & San (Long), "Travenicht Will be Case 4, her. Inc. NY, NY, 151 Electronic

PERCEPTION

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When bencem and largue are added to would deproved in the hangy torum may expery gamph the eyes glowing contern with more complex pectator, including labors, landouppa, fantacy constance, and venter from the part listed when subject in aniany deproved in table are confined to date any deproved in tables are confined to date of arthors tartic listed when subject in anidorthors tartic listed when subject in anibility operation and the as item rate elibbate

Ecologic and calified- can also increment be read - number to each appeak, such as the read - number to each appeak, such as the read - number to each appeak and Cauce which years and an each appeak and appeak was at provide the data reads with an explosive most provide the appeak and enterties of price stop porce and enterties of price stop poor explores that any explores the provide and the intertion of the appearance of the antient each of price stop poor explores that have been price and the antition to each price and poor explores and and the asternal submittee on the expert fuence to explore the time explores on its induced. If HML such asternal, from to ourgoing and which is sume explores the explores the time explores of the time explores of the time explores of the time explores of the time explores of the explores of the time explores of the time explores of

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It special instances has may be great mought to staget particular this many supprovements and the same staget supprovements the shifty is not the same supprovements that has no more than a superperiorities instant have interpretently into these to take highly consider. List highly and more support to support to support many support to support to support to support to support to support means the support to support to support means the support to support to support has support to support to support has support to support to support to support has support to suppor

Successful navigation through the per ceptual make of aplaceflight will bring us to also shores dissocrated and confused and will dues thus susceptible to unpredictable reactions And without the benefit of expsychologists the aliens might be in even more of a quiter dary fram we in short the potential for bac or stang behavior on test contact will be over

One due as is what might lappen can be global to the history of a US modulation making that contact with a group of Huchot Indones solated by the forboding Sensi Mache Occodential a misuritian mitigant excam Nearon Druggin Ingress was 1977. Consol had done Sawh Insugh the Amerdian to Andrea Sawh Insugh the Amerhe notive were alternated by the silen proeus and mached with senginition.

A widespeed behavioral test throughout, the attest largedom interphotos a calificial as intelerance and aggression toward stranges. Claudich free-ranging sman counterparts in india walid have repelied in well throas and carect attacks. And the mild instreeted Hachols were antocols as well. A tits leven care with the tests, the Hachols field to their hols. Isang a small barly to sum the and

The Hacholi holds four days emerging only to statuou the baby each right. Nechwhile the reducal tesms represend contact with the reflect eventually brought out the adult formatics. And the next tesm to wellan anthropologist and her intern couptiereven billy acaboted.

Psychologistii nee antituttoi fin sense als acceptance to what they call consults presentation, durind as the sites with the sense of the sense sense is a trainer steutus time affect of them the state of the sense of the sense sense is a trainer state atom is not a trainer at trainer at the during the state of them the state is a distance of the sense the sense of the during the sense the sense of the sense at the sense of the sense the sense of the sense of the sense the sense the sense of the consider the human children to the sense of the sense of the sense of the sense to the sense of the s

The spectra must be transported on interacture, we share the transported on the contract, we share the transported on the contract we share the transported on the spectra of the transported on the area to constrain any spectra. The spectra properties an any spectra share the area to constrain any spectra share outside the spectra of the spectra spectra of the spectra spectra of the spectra spectra of the contract spectra of the spectra spectra of the spectra spectra of the contract spectra of the spectra

Educe one Ronald K Segetus an expression to psychologist and psychopharmacologist all UCLAs lexitipsychiatric institute

CONTINUED FROM PINEL 22

remarks because their coping mechanisms are not functioning

Conversely oblighted of their possible assignation during isstager may speed tocovery Bernot is new yang out what he colling experience suggestrem. On the day before an operation has size with a poster to the negociation has size with a poster before negociation of the suggestrem. The women science lated for a hyperecovery for women is checkled for a hyperecovery for maniple some of his suggestrem. What before the suggest is mines away from your abborne and into your arms and egy. All be not do more will be suggested.

Bennet is concertaining on blood low because here a might exidence from inic one and other research that it can be dr moted Allow sprawless an objective measure and howelflictive suggestors hav. We've and encourage rounds to drift he styr. Sangeons who event bail which prefits have been given suggestors have been saying things the Heyl This guy is not bleeding very much."

Begins the evidence the medical community remains skeptical, and the use of constructive suggretter under anieshiese has yet to become as commonplace in the operation stom as the scalade is

The end of the settingle may be prevented in the miscal continuing there are acceptions. Development to the set acception of the setting of the setting of the processory setting and the setting of the providence of setting and the control of the dama of the setting of the setting of the setting of the case are been a sign that resid as provide many setting been as setting the setting the setting of the setting of the setting open setting the setting of the setting open are marked as the set of the setting open setting the setting the market of the setting open setting open setting the setting the setting the setting open setting the setting open setting the setting the setting the setting the setting open setting the setting the setting the setting the setting open setting the setting the setting the setting the setting open setting the set the setting the setting the setting the setting the setting the set the setting the setting the setting the setting the setting the

Another basissers is Dr. Bennerd Geget a support in New News, Connectodow with 20 symmer of expendition. For the part May 3495, support is the interesting operating the support of the american symmetry of the support of the support of the american symmetry. See the support of the american symmetry of the support of

And there are other oncouraging devidpremets Freck Germa minerothesiologial and pepthesian at Darwer Medolytics in the standards a meeting the Association of Aresthesis, which is are to amenihadio upin its propried has been able the colleagues indire that what they are derig applies that propried has been able to colleagues indire that what has not able the colleagues indire that what has been to the indirect the summary state of a short that whether the number of the protects are the many days and the state of the short that many days and the short the short that is the spenting results of a short that the short the second more than the short that is the spenting of the short that the short the short the second more than the short the short the short the second more than the short the short the short the second more than the short the short the short the second more than the short the short the second short the second more than the short the short the short the short the second more than the short the short the short the short the second more than the short the short the short the short the second more than the short the short the short the short the second more than the short the short the short the short the second more than the short the short the short the short the second more than the short the short the short the short the second more than the short the short the short the short the second more than the short the



CONTINUED PRODUCED 20

knee by suching the ferrur and biss but acts as a set of scaffold on which new connective lossic carging the time yakes the operative has been employed, phtents—rolluding a simpletessional loobag payer and several germastis—have been sale to gig within seven marties and resume bit activity in lisis than a yeter

One ontroposit who is raying yild addit to pro utiliates is Royer Collins of Wenyieldise. Weshington Collins befortpi to a group of 20 physicians around the country who are morparring antitical ligaments made in a metropic railed Cene-Tex.

'It's a relative of the same stuff they use in reprocess.' Collins says it doesn't deform, it doesn't stretch out and its three times docsone there is an an locatedta.'

So fair the group here used the Gore flow ligament in 355 human patients. Only are people have exposenced complications. "Nerve vary pleased he adds: With most ligament reconstruction it follows a year bio fore poople can start doing things. With Com-like worke had people back to fail acvalue in encode.

But what about those people who recurre a whole new sone? Will thank ever be a day whole someone with an advanced and choored problem can have the entra junt re ploted? The closed thing in excellence is the fets/trace an artificacjon/in-who/theread and artourse carblage are elemented and the damagad ends of lymut and bits the replaced by transmire a chrome-coloritie by (The patienth own ligaments are nor make used in on the hash bots).

Taivery much leahuang yor brekes tolined's says David Hangorbot, of Johns Hopkins Dirvestry, who developed for of har many vestors of the Tata Knee Blat bacause the carriert that purs the mata subors to the loss of the bons does not hold up under unuqual sales the Tata Mare B. Insect each by second patients.

Martin Atzhok, a Middlatown, Now York, erthopodet whohas successfully used a Total Knee in 75 arthritis potentis. agrees weakd newsriput one urian athlefel. he says

Then what can be done to los? While we need to papple lie that "Integrition says mabiase understanding at the cellular integrition is made to be the variable parts of the lineal and mode. We need to be oble to all cells to manufacture whatever in inconcessing to backtops jon Namathis kneets. This is not beyond the united proteining Abs all the sligs. Specifiest can now program and calls because to make to more integrat.

In Los Angeles the programming her already started. During the last two years Dougles Juckson and his colleagues have taken cells hom goet ligaments collibred from in solution and grown them along a

special lattice to give the calls the correct structure. "In effect, Jackson stys: "when producing test-tube legements now "Jecksen has implicited wome of those legements in good knows, but the results have not been as report as with more retarchist methods."

Centeencounging used increte the pair sible poblemini-inspection, or all assisted or cancer outsing immersion—law material and Justeam sublearity prevent by the work on semical to have gone on its the notter subceating up change have inspection. The same and the semiconary of the semitance in position: Can'the second "Write can be and the semiconary of the second second based by the semiconary "Write can be many and the set of the second second term manys and that it can be done selety."

Suggested verse Laborativ servir all a couble fra laborativ star right to called the Unopol Kree-4 part given remains model of Jole Normath what fra makes amout backs on the Indext he sugparts. There we take some of Normath rolls and give them in culture, and sign Cally Division give them in culture, and sign Cally Division give them in culture, and sign Cally Division give in the source of system and Division is a month of as when it's given in the Division and that have en system in the Normath culture test than we engineer period. It is that than we engineer period.

We don't have the information to do that yet. Hangerlord concludes "But I believe such an advancement will come to passcentently in this century DCI

OMNI COMPETITION

The Loss open holes and bid Statistical Weights and the second and bid Statistical environments and the second statistical environments and the second statistical environments and the second statistical environments and the statistical

Annapianas de of sector and consectors boo mages in one or their year surface in the way or unoffers capacitation de vare proclapcedon or hair. The persission of actions of information provide grant and capacity and more fransis (in years and may possible forms the linguis this could achieve an award as the sector and provide forms.



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agos storg theso inter Since Orm is the magazine of the future law will have posense that have no Orm will be unagenetissate that have no Orm will be unagenetissate and the store sense in the anmage autocould statements for multiperinged theriting that is ensertial like constantly will be appropriate in the end like fraid policy and like theory of the end many payerness and article query shallow be tudien mirch.

registe las prezes el los exertados (Tegy estade a Hadeyacomo Misocomo (Helaki alizo, pozial: a Ministe Toller valos pertenesses campos (SSO2) a Salingo (Mnarricor auto-das Machine (ST/2005), and e Cambro dagat bratica exercis (1935)

to establish successful and reach of \$54 such will be assured and reach of \$56 such an entrants, will recreate a bole-score advantation to Denie

RULES This competition is for all 2020 teagain and the train is to tride one without appendix part is in the train of the traindown we can teproduce in Deny (do trid use pendi) the bareful order on a simparge sheeten at the bareful order makers and when it is to be learned. Use a training of many control enabled to the training.

Send one array only please, to 50% Constants 40% 1825 Benchards 16% book the toccal 5665 Use the sample please on this page and the discounced of hardes proving all, along the discounced inters please tocks to recreated by May 15 sets All intercences the plaquetty of Gene, rough will be discussified. TRAPDOOR

CONTINUED FROM MIRE 40

spooling me with them? Don't call again, Emmol."

"But you called met"

"Hang up, Emma/"

Britis Crowley frung a

In the hall all three titleen in the cold moming, Cara Pack glided out stood for a moment, then pointed up at the ceiling, as if to provide if

"Ghosts?" she whispered

The trapdoor's hinges, lost in the night above, olid themselves with wind

Clara Peck turned slowly and went back inside and thinking about every movement got into her bed

She woke at four twenty in the morning because a wind shock the focuse

Out in the hall could it be?

She straned She tuned her ears

Very softly very quetty the trapdoor in the starway pating squaated

And opened wide

Can't be/ she thrught

The door fell up in and down with althout a/ she throught

N go make sure she thought

NG.

She jumped ran, locked the door, leaped ack in bed.

"Halio Rataway" she heard herself call multied under the coversGoing downstars, skeepiess, st six in the moming, she kept her eyes straight ahead, to as not lo see that cheadful calence

Hafway down she glanced back, started, and in used

Sof do more

For the trapdoor was not open at all

tures that

"Ratzaway?" she said into the telephone receiver al seven-thirty on a bright moming

I have now when the Textback reports to lock stopper to incl of Con Prevent Notes to the way had be Terrotes the down to the way had be Terrotes the down to the way. The to the terrot terrotes the terrotes the every first prevent about the terrotes and the terrotes the terrotes and terrotes the terrotes the mean terrotes and the terrotes and terrotes and the terrotes and terrotes the terrotes the part retextue in the tech tech terrotes the terrotes the terrotes the part retextue in the tech tech terrotes the terrotes the terrotes the part retextue in the tech tech terrotes the terrotes the terrotes the part retextue in the terrotes the terrotes

"Don't just stand there" the should Mele yourstif useful" She spon around and manched away from his shocked take

She glanced back to see if thad had the national eventaked



this way to tem. He was studying the door Then, cursus, he stepped in

"Up here!" said Clara

She paraded through the hal, up the skept to the landing, where she had placed a steplatider

She thrust her hand up, pointing

There's he and See I you can make sense out of the damed noises up here and don't overdeeps me when you're done. Mpe your feet when you come down 1 got to go shopping. Can I mus you no to alse me bland when you come down 1 got

With each blow, she could see two veer of-balance

He table furthed His eyes shore. Before he could speak, she marched back down the steps to shrup on a light coal.

"Do you know what mice sound like in at tos?" she said, over her shoulder.

I dame well do indy," he sad

Clean up your language You know rats? These could be rats or bigger. What's bigger in an attic?"

You got any recopons around here?

"How of they get m?"

"Don't you know your own house 12dy? would frink you-

But here they both stonged

For a sound had come from above

It was a small lich of a sound at liss. Then is scratched. Then it gave a thump like a heert. Something moved in the atto.

Timmons blinked up at the trapdoor and snorted loudly "Hey"

Clars Pack rodded satsled pulled on her gloves adjusted her hat welching

"It sounds like---" drawled Mr Timmons

"Did a sea capitan over ive in this house?" he asked at last

The sound came again unmistakably louder, from above. The whole house seemed to drift and white with the workt faulwas being shifted above.

"Sounds like cargo" Timmons shat ha events listen "Dargoon aship silding whon the ality changes course" He broke into a lough and opened his evens

"Bood God," said Clara, and she tried to imagine that

On the other hand," said W. Timmons, half aming up at that colling "you got a prechouse up there orsomething? Scards like plants growing. Or a yeast maybe big as a digitizate, gatting out of hand. There d a store alone noned work in his calls. It-

This first senses three stammari

Clara Peck, outside, glaring in althe pixes, said. "It be back in an hour Jump?"

She heard his laughter follow her down the walk as she marched She hestahed only once to look back

The came tool was standing all the loot of the ladder looking up. Then he shrupped own a what-the-teel passure, and-

Scrambied up the stepladder like a savor

When Class Pack marched back an hour lass, the Patzaway truck still stood at the curb by her house

"Hell' she said to it, "thought held be done

by now Strange man fromping around. swoanno---

She slopped and istened to the house Silence

Odd * she muttered

Mr Timmonel" she called

And statisting the was tall twenty teel from the open front door, she approached to call firrough the screen

"Anyona home"

She shepped through the door this is an encoulie the polence in the old days before the mole had began to change to rate and the rate had clanced themaelivid into semeting langer and deriver on the upper attudecise. It was a selence that if you breathed for more because.

She swayed all the bottom of the flight of stars, galang up, his grocenes hugged like a closet child at her serve.

Mr. Timmons_7

Bit the prore bruce way yet

The portable lackser still stood waiting or his hipding.

But the Interdoor was shut

Well he's obviously not up in there's she thought. He wouldn't climb and shut tenself in Dearn had's and pore every

She turned to squart out all his truck abandoned in the bright rooms glave

Truck s broks down 3 magine. He s gone for help

She clumped her grocenes in the kitchas and for the first time in years not knowing why, it a organitie shoked in to another, and made a load unch beinging skilleta and runnitio the tals operate rowstene.

The house issured to all this and made no response

By two diclock the strender hung about her like a cloud of floor poish

Ratzaway she said as she dialed the phone

The post-company owner anwed half an true lefer, by motorycle to pack up the abaharonad truck. Topping his cap, he abapted in through the acrean short's chair with Cass Peckand lock at the empty rooms and weah the alience.

No select, malem 1 he said at last. Charlet been on a lew benstes brevy He's show up to be final temperaw. What we he doing here? He glanced up the stars at the step latcher

Oh.' said Clara Peck quickly "he was net looking al-everything

Ill come myselt tomorrow said the

And as he drove away into the alternoon Clans Peck slowly moved up the stars to litt her face toward the ceiling and watch the intencion

"He didn't see you either "

Not a beam same danced in the atto

She stood like a statue leeking the sunlight shift and lean through the front door

why/ she wondered why did rise-

Well, for one thing, the trapologits shut, ont it? And, i also throw why she throught but i wort west amone going up that ladder ever again for this sit? this sit?? Int i has pranag? She alle dinner early islaning She wished the debes alort.

 She put hetsel to bed at timo clock but in the old downsians made room for long years unseed. Why the chose to lie in this downsates room she did not how, etc. ply did it and loy here with acting case and thepsile moving in her neek and in her brow.

Higd as a tomb-carving under the shoe she wailed

Alound midnight is wind passed shook a patient of loavas on har counterpane her eves flicked wide

The beams of the house tembled

Stie litted tier nead

atto She se up

The sound gree loader heaver like a large but shapeless animal proving theaptectark. She palaced her level on the floor and sat looking at them. The node came again far up a scremble like labbls face here a firma like a large heart here.

She slapped out into the downpairs hall and stood bathed in a moonlight that was this is pure cool dawn filling the windows

Holding the banktar she moved stealth is up the starts. Reaching the landing she backled the steplacter intercover into mers

She blinked Her heart jumped thenheid still For as she watched very slowly the hispdoor above her sank away it opened to show her a waiting square of datevess like a mine shaft going up, without and

 Twi had yap accur enough: she circl She tushed doen to the kilchen and cars stamming back up with hammer and na k a cimb the ladder in funcuus leggs

Toor there ary of this " she cred Ne more do you hear? Stop!

At this kip of the ladder she had to sirebt up no the attoc into the resid deleves with one head and erm which meant that he head had to pole hellway through

Now! she said

At hot very retaint as her head shows through end her ingress tumbled to had the trapdoor a most starting shell throg cooured Acit sumeting had social her head at if she waters a cork public turn a bottle her entite body har sams her straight down fors were wented up mits the atto-

Bite variathed tale a margourse trencker chief Like a manonete whose strings an grabbed by an unseen force she whizted up Six swift wats the motion that the bed roomsteppers ward loft standing on the step ladder arow.

After that there was no gato no scream Act a long breathing silinois for about ter seconds Then, for no seen reason the tap door silamened fail down shut

A year later a new family bought and movies into the stient house

Finding the trapelour the children climbed up inspiring, to throw wide the alloc windows and liel the hol suttimer wind blow through all the entroy scalaps

Then ggging and shouling they centeer back down to a time luncheon of hem pand wiches and soup DC









HYPNO ODYSSEY

techniques, but he confesses to living hypnosis a great cleaf. He evils that the hyperbit wave of the mind all tike a smudged vendow that is haid to see through. Even so we are begrining to observe forms of hardwing, parceivering, and facility that are basely hinted a is non-extendent livers of herains.

Bowers work is gall in infancy and none of the Canadan scientists are sure what new information about the minimum fragments out of their coelinang massach. But at the way least, incluion toscarch and the work on the hidden observer will eventually charge cur, way of looking at contactus ness, "conclused Lawronce.

In addition for using hyprose as a valuside entries to the uncontractual researches also looking to use fin a more concrete way An Pompiliares Stell University psycholo got Howeet Haid declares. I'm line of this released in what hyprose is but in what you can do what i' Can we allow remove be chemical and physiological parameters? In asis, He belowes we can

Among the through tall has been trying to do is see whether the baan can affect the body amain and add elense against divexes, the ithrane system in one last ha look blood samplies (imm 30 hashing acquein hypototeet them and then asked them to weaples there whete blood salls as sharks at tacking and when out cancer cells

This he had give members learn sethyproxy. We have had satisfied at home backs aday for a wake he task a second blood carries. The results the younger highly hyperdustise subjects managed to miss that which blood call causts from 13 (38) before hyproxis to 'S R2 after prict, tash and influence he body by altragings the tackhemistro he body.

He's experiment was impacted by the soft of call Smithold an existence on considering and Beptrane Metheme-Similarian a purchas one of the software of the software of the darge with teachering insteadul lar heating acceler plants. There is were stated to magnet here which blood only a powerful acceler the teachering insteadul lar heating acceler the teachering in the software reaction to the "incursive control that each magnet here which blood only a powerful acceler the teachering of the teach magnet here with blood only a powerful acceler that the software teacher that teach magnet here with a control teacher magnet between the software teacher with the software teacher teach

A fave-short years app, such an idenwould have been rejected by medical acarteria to propositional. The minute system was fought to operate autonomously But recent decoverse two shows that them is an vitrate and baroly explored link connect rig the brain, the control nervous system, and empaty-

During the late Soventies Vernon Riley & cancer biologiet at the Pacific Northwest Ner tearch Enderston in Seattle domensioned to: DWN that the immune systems of unstassed more were sole to contain the growth of expenmantally implanted cancer cells. When he stressed the annuals, the turnors grew and the annuals ded.

Lesses almoste have also responded to hypopos Wints a common dividence of wai organ have been tepicably statisticble. Theodere Barboc, a poychinanti at Cutures, and a longhen pactioner and charante, and a longhen pactioner and charante, and a longhen pactioner and charante of hypotis has taked sound too enfor studies, grang back to one Frites, demonstrating that wate could liverally be horoctead waiv.

In the convert Barber cites the stream table case of a screme whole body had bodin covered by 39 wards for three years. After two sessions of typrose, during which the was tot to imagine cast wait triging and eventually vanishing. 37 of them desppeared completily.

Hall has also been experimenting with other nonimmunological applications of

In one test a group of hypnotized subjects ratified off the names of colors on a -chart, unaware that one of their hands held a penol that was adding a column of numbers?

hyproes. One intrigang test he has done suggists that hyproes can be used to protect the hearing of a person response to load resear. It is it have madical fact that pooplawhorouthely work in non-yone contents work with one some of their beams.

In the title title lipsh two grapping of pacegoal and biased seals with load (board 15% dedee) from the unspectived grapp was allowed as all of a accessed of pacego was been approximately and the seal of the seried grapping was graven the suggestant to the seal grapping was and search that listend out some of the noise multiple this ded the reasources publics sufficient followed ded the reasources publics sufficient followed the processes the title multiple sufficient followed the processes the title multiple sufficient followed to the processes the title multiple sufficient followed the processes that the multiple sufficient followed to the processes the title multiple sufficient followed to the sufficient sufficient sufficient sufficient sufficient to the sufficient sufficient sufficient sufficient sufficient to the sufficient suffi

Others besides Hall Fave been impured by the medical posteties of the proves in libertion, for invalidation, superhard Find Frankal, a Harvard professor and the acting orector of the department, of prychistry will definmal Plaspital, is working with colleagues to see whother thoughts can alter the workings of the immune statem.

The researchers plan to inject subjects with seven harmless aniagens, chosen be

cause they will elot a gradual response to/iii the mmune system. One group of subjects will be given the hyprotic suggestion to depress their immune septime, another group to enhance it.

Later the learn will recroscopravily onsame the ensus where the subport skin was provided and they willhoost colls lock reads white blood colls, and measure changes. If will be the test that the function of hypotocaminantogical inchronages. If any difference is detected baseling the weight of the malities acconversing case for a link between the mend and the body.

The difficulty in dang this kind of insearch Farrier says is obtaining whether any charges observed are the result of hypotosetting. "Nou sit down with someone and youteness to thin. You passit to firm in quelt softing times, it is also." Nou will him to obser the system world.

Sprintmes put relaying that way makes him feel better. Some people call that a placepo. But whishwer it is—copacitation, relaution—these are very important, cura take therapeutic elements.

And menu a two pockdarii of hyperconduny Hall leund that the men susceptible to the susceptible of the susceptible be hypercauld at all A that can before the And not everyone is exually hyportable be hypercauld at all A that can before a down-but take of these postance carrot is meduramatale. And the net are capable of ageng into a dop trance in which we can respond to posthyperotic suggestion, simrespond to posthyperotic suggestion, simrespond to posthyperotic suggestion, simrespond to posthyperotic suggestion, sim-

Does the react only highly hypotoxoble indextuals can be higher? I mith lithing gling with that question. This achies AF though the has not figured out how he is convinced that everyone can learn how to went some catival over his of his body.

Tables we can do traps who pools who are not by trapsdout the works it to below the top the top the works it to below the top the top the top the top the trapsdout top the top

Alticaji cinca esperance inductor tratoproses can his the mid partotil inmarkasis loast—even inhance the immarkasis loast—even inhance the imsure system—there is a yet no shocker scientific proof says Frankai "But that addition that we should add outing it would be the last person to want to thran it would be the last person to want to thran all "the same parts' income money additions its produced torm says plantasis schema is not assert mean: "De



CONTINUED FROM PACE SP.

I definit want to think about what the employ rest used to stimulate them

They unhooked the first trailer and I backed in the second 1 got down out of the cobil and arrenplayer calms up to me a big lakes with not ayos and brand-new oner also. "Good creek the load" in salked. His teasth weal lea the and of a cabibage beam and callo chimer.

I shock my head and held a cogmitte out for a light, the preased his fingernal against the tip. The tip flated and settled down to a steady glow. He looked at it with pure warting in hit eyes.

"Laten "I said "You had anyone nemed Shenfi through here?" I spelled it for http:

Whore asking? He grumped shi eyeing the copreter He started to welk away

Sust ounces I heard you guys knew all the names

Sa? He stopped He had to welk around otherwise his shoes melted the rephalt a bit and got stude. He cases back and stood thing one toot twisting a bit then pulling it down and litting the other.

'Couple of Charyls No Sherifs,' he said. 'Now---

I took the empties back to baker. Didnit see 84. Epit hours faller I was in bed been in hand, paycheck on the bureau my eyee wide open

Sht. My considence was working to thought I was past that Butthen I don't use the perks and I would'nt drive without insurance I wasn't soully out out for the life

The next trip if was cool dark and the road crossed a black failand of section troos all ho same uniform group at fail from paper When I pulsed over to catch a hapnever assigning more than two hours at a serech-the should of the fairmed in the toplets bothend the wear more than usual these foot dark therea fair.

You can take us back, Midler! You renity

- 0

Shi to malluck or

You can let us out? We can't hust you?

That was true enough. Drivers were slive and the dead could rever hart thats slive but to heard what happaned when you left them out. There were about mercy of here in bods, and in any load there was slively one whoot make you want to use your perks.

Isolang at the Serie Calib Celencer Indigen just brow the Serie Calib Celencer Indigen just brow the Serie Calib Celencer Party icad became quetter as the voices give up one after the other Three wills only later locations character. There to the the

It was then I decided to lef them out and

see Chertwaa hati or ilanyo'a kike Yar Tiey minglod in the Annex got their test so caliqog before the City Screame might know Then (1 aan 28 aan-

What? What could I do to help hm? He had sprewed Sheril up royally but thin shillo had a hand m if too and shat was what Hell was all about. Poor stupid soms of bitches

I swang out of the cab, sucking nimy shin and pulking my show his down on my crown Hey? I said waking alongade the trailers. Paces preved at me train the two rhich is be been such white stat

"I'm going to let you out Just for a while i reveal some utilization."

Ask! someone screamed 'Just ask roukismmell

"You know you can't run away can't hurt me, young all deart Lindentand?

"Vio know, said another voice queter Maybe we can help

"This going to opain the gazes one trailer at a time." I went to the rear trailer first, took out, my keys, and und id the "tike padlock. Than

More people were corning, and I was getting nervous I stood my ground, frying to seem calm, and the dead gathered around me, looking at each other and then at me, looking eager.

I paung the gates open standing back a attai ais there was some kind of infected wound about to drain

They were all raised Butthey wellast loity or university Dead, they couldn't be But all had some saif of an about them indicating what brought frem to their not anything speote, but authining

Like the free black ductes in the new resire find to state out. Why they work going to Hall was all over their faces

Stupid ass molitick "one of them said staring at mp beneath that approache dyobreas. He nodded and swarg he lists syarg to pound the stats from the outside but the blave hatch make them violatio

An old woman crawled down har what and neatly colled loadchibe certainwhat site had done but the made me uneatly Than the chains young old mostly old Quert They looked me over some defaint must used been/demaid.

T need to know it there's anyone here remed Sheet. I used "who happins to know a failure nomental.

That's my name " said a women holden

Let me see her "I waved my hand at them.

The black dudes came forward. A turny box got in their eyes, and they backed away. The others parted, and a young women wolked out. "How do you tore! your name?" (arked

She got a paintoked expression She speled it hastating, looking to see if the was connecting making the grade I faithormble atrasdy. She was a Charyl

"Not who I m looking for I said

"Maybe not specifically, she said hall act: She was very praity, with endourn-size breads has like a tornager's legs not tettic but noe 'Her black har was capped short and her eyes wate almost Onertal

You can walk about a bit "I told them "I'm letting out the first trailer now. I coansid the sade galaxie on that one, and the people came down. They didn tomel of anything dight licks hungry, they gat all locked gala.

Woman named Sharili* I repeated No one stapped loward. Then I felt screeche close to me and I turned. It was the Charyl soman Site amited. To live to sit up from liver awite, she said.

So would we all safer said the whiteheard site woman The black dudes stood of separate failing low

I exclused, locking at her Other drivers and they were real unsubstantial except at one activity. That was the perk. And it was said the hottest once always ended up in the

"No" I said I motioned for them to get

It had been a damb idea all around They went back and i returned to the cab wondening whet had made mid of 1 labck my head and stantachter up. Therking on a dead ran was no good. No "listid." goddarm." I sed loodd

Chanylis face slaved with me

Cheryl's body stayed with me longer than the face

These is always something that comes to on a life to be not a more more that have flow anothing, wondered what reason God have logive each of us the thirs have a beyon on a crystel soul. You pread the chip hard inscale levelything solid sup ontact.

Instance/Inside graphs and/sanding set this emiciated a small town colled Steamone 1 public hy truck into the coll the angene summy. It was about eleven in themaning and the colleventh full Took a test after course real can definition maybe from their in its head about eleven in maybe from their in its head about eleven in tradeed register with all tooks and distacking Failed baat with dowing/t solerin digrafy

Bill slood next to he osh Next to trimwaa en expronous young workan with a face like soloiding Shewaa wapped in a fifty piece of plad fabric looking like it hed been precting from a touin during somewhere "Hey' Bit said. "Romember me?"

Sup!

Tisse you pulling up Wanted you to meet Shell. I gat her out of here. The woman stand at me with all the expression of a back. It is all screwy back there. Like a power lat

Stenil could have had any number of

'Rouble?' I asked

That can't happen 'I said knowing I was

Hos a driver Bill she said 'Hals goe

Telfmerricre, I said

'Employees' I corrocted

Sheril tugged insistendy on his arm. We

We got to go," he echoed "Hey man

thanks I found her! He pointed at Sherill

I draw back to Beker peried in front of at the Annex Nobody called If there was

sation The amployees who work the Armes. look quie human i took my bill of lacting form spit smoking salka on the payoment re-

meant absolutely no entry

I gat out The load was making notices 1 end atopd by the muck weeing for instruc-

There ignt anifhing | seed to myself letterns up one of Bills cloareflos even or anothers I vowed i cliquit after this run.

on the log slats of the rear Taker

ered with rushed people craning all over

I disever sean an employee so bio before The banchees I threw down my ociansto and



tonds wern to linear on the job you don't live if they in it touche if is part of the mychape to help out. Besides the unwetten restrutens were very clear on such things, and ten over incomingly busited a ptb rule—not since getting mying back—and cauldht see starting now.

Through the smoke and across great ridges of less, I are unit I specified the emphyse across two yerds almost II had shaken of the raked people and was standing with one in each hand be shaked some inmised and scalas should out at all angles. They direkly done a po on the bestard. This of where of the dread were packing themselves of the loss unscripted urbitused in they say me

The employee saw me

Everyon carrie at million and the grabbing. I turned and ran for the truck, stumbing over outstricthed arms and legs My hair stood an and People phelded for the to haul them aut, whereas like whoted doas

Then the employee got hold of me and swang me up high out of reach. Its hand was cold and hand like nets rougslept in an ice-cream fretzer it grunted and sin lowed my truck, opening the doarwide and those ingme roughly inside it made clear with wild gestures that I of better turn record and go back that them ware no ever through

I started the engine and turned the ng and taw an older exound I tolled up my window and hoped the dead waterit substantial enough to theat outer me in exotoch part of teer up sists "Wr Mertin?" I

All rules were all now

I bearled back down the road

My load screamed like no load 1d ever had below I was atrad they mgit get loose but they didn't I got near the Americ, and they were coall again, too quart for me to hear over the decel

The years were deemted. The long while partied comment partient area while waized wood-sital loading ramps were unabanded. No sould in the parts. The sky were an indefinitie gray and in aut-of-loading years while playees loange. I support the truck and award down to invaluable.

There was no wind, only sience. The air was frostly without being peritoularly odd. What I warried to do more was unkeed and get out of there goback to Bairer or Barstow or Shouthare.

I haped that was still possible Maybe all avished been closed. Maybe the overseers closed them to keep any more sould from owting out.

Thed the gate latches and found I could open them I do iss and witumed to the back sumpting the mart takes around until it was luch with the ramp. Nobody made a sound Go on back, I savel 'Go on back' toulwe out mean time hang. Dot's ack me how

Helio, John' Thai was behind me I tamed and saw an older man without any clathes on I didn't recognize hem at linit. His oyot traile dued me in

"Wr Mertin?" My high school fistory teacher i hadht seen han in maybe twerty



years. And 1d never seen tem raked

This is not the sort of pb Id expect one of my students to take. Merin soid He sugned the errooth laugh he was fantase to, the laugh that searched to take revery thing he said is class and pt it in perpete two. The calls away, John The mod are in charge new lim loaking. If I can "

"How long you been here?" I asked

"I det d a month ago. I think

"hbu can't go," I said. The ice preeped up my farcet

Team player," Martin said. "Still the screwball loans player, even when the loant coemit give a damm what you do."

I walled to explain but he walked away toward the Arriss and the road out. Looking beck over hes shoulder the axed. Cast amart John Things aront what they seem? I lost sawham sheking hisheed as he rounded the comercial the Arriss.

The dead in my load had prociloose some of the namp stats and were jumping off the near maker. These in the forward trailer were scheming and comying on shaking the whole ng

Responsible, sht, i hough: Asthe dead laboud alter W. Marini Lunkiched both salers. Then I gol in the cab and sixing around away from the Arrear onto the recoming road. "Sure as anything " listid. "Im open to out!"

The road our seemed awfully long I was taking a route that I dinever been on before and I had no way of knowing if it would put mewhere I wanted to be But I hung in there for two hours, running the truck dead out on the flats

The arwas gating grayer like somebody taring down the context on a TV set I evidated on the high barries but high dist hap. By now I was shaking in the cab and aying to myself, actody deserver this flobody deserves garg to Hair to make with we did I was soard. Twes certing colder

Three bours and see the Antex and oppet airead of the again. The road had boped tasks it serves and steared then go a correl. The board goals the down with the face Dated were wandering around with road tables are through the kine that without the road. They'd come up, and the tooks burger waveling the man of would take it has answer minime gatting up after being lincaked ours. Just incolect the waveling lincaked ours up.

way treaction strength for Hell

The disembarkaon terminal was on the, too But beyond it the CTV was bright and white and unbuched. For the first time I drove paid the terminal and took the road visit the CTV traves of their that or strive in the strive CTV and thinks and/or why on the Hals with everything recreasy finds in Thought, maybe they chave thinks and/or control

The truck roared through the gale bateren two white pillars maybe severity or eightly lead thick and as tail as the Weshing ton Monument. I dich's see anybody, athnearement or clead. Once I was through the plans and it came as a shock-

There was no City no wells, just the road wriding stong and countryside in all direcacts, even behind

The countyrade was covered with shacks, houses, https://docs.ard/big.clusters Everything was lightly packed precisiv working logither on one hill packe stituling on here porches waking laber gaths, surring to state at mo or the rig barrield and though No employees—one monitorables of any set. No famos No bloody bries or 1995

This must be the cutade part, I thought Deepar made it would get worse

Another hour of driving through that calim landecape and the truck rain out of fluit I coaleted to the side and stepped down from the calo very nervous

It up my last equivate and kaned against the funder, shaking a lide. But the shaking was running down, and a tight kind of calm was included and

The landscape was still condensed, crowded, but robody looked tartared. No screening, no stamal again, 'Bees and strubs and grass hills and thousands and thousands of kitle housands.

E took about ten minutes for the inhabians to get around to investigating me face men came clotling own to my truck and nodelet cordinally Both of them were middleagait and healthy looking, pathike they were i alive. I nodelet back

We want bettang whather you're one of the drivers or not," the first, is black samed below, oaid. He work a simple handwoven shirt and oants. "This so?"

"Lam

"You're lost then "

i sgreed "Maybo you can tel me juit where I am?"

"Hell," said the second man younger by a kee yeas and just wooring shorts. The way he said it was like you might sky you called from Loe Angeles or Long Baach. Nothing box nothing diametic

Were need runner theels bean problens outside 's woman said coming up to only She was about said y and simp. She looked live the should be twitchy and ner your but she acted took steady They were all took steady.

There's sums kind of strike "I said "I don't know what it is, but I'm looking for an em ployee to foll me

"They don't tesually come this far in" the test manisted. Warun things here Or rather, robody tells us what to do

"Yours ask?" the woman asked a cursus hunger in her vace. Others were coming around to pie us is whole crowd. This didn't try to touch. They spool than ground and stand and taked.

"I can't take you back. I said "I don't know how to get there mysels

"We can't go back, the woman sket "Thot's not our place. Maybe you could just teten to us, you know?"

More people were coming, and I was gattrig review again 1 stood my ground trying to ware calm and the dead gathered around to 2 OMI

me, looking at one another and than at melooking each?

"I never thought of anybody but myself one text Another interupted with. Man I facilied my whole life away. I heted everybody and everything Twee burned out-

Twas the slupidestigoddsmir wortikin you ever row T was a story a proj T anoled kids and let them num wid without no guidance I was stupped and orwel, too T used to hut function

Navar cased for anyone Nobody ever cared for me I was left to sol in the middle of a only and I waien't good enough not to ref.

Everything 1 did was a fe after I was about twelve veens ofd-

"Lister to me Mister, because it hurts if hurts so bad -

I backed up spanst my tuck. They were ining up now gating organized notike any mobil hed a cracy thought they were be-

> They were all naked, but they weren? drty. Each had some sort of air about them indicating what had brought them to Hell, not anything specific, but sublimmal."

having better than any people of EB/TI but these were the damned

An exicco told me what he did to paople in gats An ex-Jours that told me that knowing Jeaus in your heart each tencigh Boouse I should have made it man. I the driftware made it

They contessed to me, and Ibsigain to cry their boais wave as obtain and so puts yet have they were contessing and except myde for specific finitiation and an and which War in Russian camps—finite the Second Wards War in Russian camps—finite the decousional any were frain the cuty sons of bitches I calified lends who spent ther lives in trains or them and waves.

They were all scient, i got the impression for deapar sto-likel you wort, the older the damned became which mode satisf. Hall just gotbigger, such crop of the damned got boose, with more room on the outer crider.

We wasted it, someone said "builkhow what my greatest an was? I was duit Duil and eraci I news saw besuty I taw only

dirt. Hoved the det, and the clean just passed me by "

Feelby soon my tears were uncontrollable likeeled down beside the truck hiding my head, but theykept coming by and contesting. Hundreds must have presed orderly taking quetly gosturing with their hands

Then they slopped. Someone had told them to back every that they were too much to me it took my their aut of my hands and a young-exeming follow stood tooleng down on me. You all not?" he asked

I needed but my mades were the broken glass. With every contession i had seen my self, and with every take of sen I had felt an answering echil

Someones going to be taking me here soon. I mumbled The young leftbe halped me up to my least, and he cleared a way around my tuck

"Resh but not yet, he said. "You don't be long here yet." He opened the door to my cab and I got back inside

"I don't heve erry tab!" I sayd

He served that sad smith thy all had and stood on the stop, up does to my exe. One of the employees is tound to put anound to you after they take care of the dictuibances. He seemed a lot more scottalcated then the unter it loaded at this may be all dis query, like there was some orghin as in sold?

"tool incoval but staff "he said "two a driver ence Then I get promoted What are they all doing too's there?" He get/und up the road "They re neally mesang things up now when they?

"I don't know " I said, wpong my dyes and obmis, with my sleave

"tou go back and you tol them all that this revolt on the outer cricks. If s what I as pected fiell them Charles here and that I warnad them Word's goting around

Word?

About whos in charge Just tel from Charle inces and I warred them

Eclosed my eyes. Some shadow parallel over The yeartg failow and everybody elke seemed to recode 114h rather than saw my truck being packed up 14b a toy.

In the cale in the parking lot of a truck step in Balazafield 1 jeticid aveile pulse my cap away them my eyes, and tooked avoid it was about noon. Thate was a union hall in Balazafield 1 chocked, and my truck was hall of decel no 1 stantist her up and chore to the artise hall.

I knocked on the door at the officer I want in and recognized the old dude who had given methopole the test phone I was tred, and I smelled bad, but I winned to get it all done with row

Deep, he said alow and careful, score me up with a knowing eye. But you're out You're buded than Nemani chwing no more wpik for as no more work for any whon we serveret the bulknew." "Titake that kind of lonely any day" I sad. Okey That seemed to be that I bended

for the door and stopped with my hand on "One more thing " | and "Why there is an

glassy. You're the fellow ended up inside? Inodated

I wated and heard him taking on the

Listen, John. I'm not sure we should let you out to easy Ward in you stuck around

been with us a long time reliable driver two to stay. I'm send

The way he and it. I

bright and early I ing with no sign out

front and with a bank on the bottom faor 1

A secretary mel me, pretty but with her har done up very tots and her say certify visiting preachers. She let me into the next

Rembrandt Bible on his dask, sitang on the

bravery. We've had some reports from the

letid and we've hearing onthing but-good about you." He seried like that he was snorre he was also very well trained

"I hear you have a report for me From

"He aid his come are Cherke | Ibid hm the story. What I may yours about what det

He ded in a car accident. Im shocked to

away from the good loke the good and obedient workers. Now we know that drivthe Low Road incidencely. Sell we'd like you touch tob. No. if you want to move up-and place for you here. A place where you'll be

conference to me like they was Ancient Mat-

ment or something

"If 1911 50 9897 UD The "buster" bit got the char When I hand conclusory-like

two there's certary way to the Low Road

How pan you say

Now it was getting

It comes every now and then We put it

he was a bit of a traublemaker here. Merce-

He amiled brightly again, and his eves got large and there was a little loo much are Arthur ware-sammed classes too big for her

Skins Im groud of all our drivers. You don't

The abortionals and pornographers, the husdes and muggers and murderers. After people compassionate people People who help with the choosing

Surply you don't think the Boss does all

time ago the Boss decided to create a new kind of worker with more decision making time Wed have immortal souls. When the



Englishmen live morrtubably with they rejectionly wet weather But they also recented the trench coat and the rolled

umbrella. And get along ust swmmmels Unflatoable Endishmen still dress in dinner in climates so sweltering that the

idea seems self-purishing. But by savoring a tall, keed Beercater" and tonic, they manage to keep their cool

The English, you see, believe an keeping a stiff upper to in the face of adversity But they're equally good at keeping adversity to a manageable level. Which probably explains why they invented the trench coat, the rolled umbrolla and the Bestimter Circ and

BEEFFATER* CIN



real it was newtable that a few would choose wryter. There are benefits to the peoplamgood people hard workers. And therd's gar bage too, poison, toop carbage The garbeen builts up after a time-frose who cont. want to go along, not good workers you maht say

7 few turn ruit to be chronically un gions with the program Get out of line White they to emmorize Porson but they last for

"Chronically unemployable?" He was bang mighty clever And what do you do the biggest deepest shit can

The darmed Youre a union man Thirk of what it must live like to be out of work. Investigation of the Roose work in very important therois no deriving that Hels got big plans

I know the feeling, both the way he means it and the reality behind the comparison. What do you do with the obstancely unterployable? You put them an wethink for over So what was Hell shit can or wolfero

But a cood union man knows there isn't can't be persuaded to be useful some way Only management thinks of she carried on

The Bost kels the providing sucpield's But He doesn't want to be bothered

"Youre in charge" I said my blood book

April know where I had seen him being

God's right-hand man

He nockied "Now that's not the sort of

Youre in charge and you lot the drivers take ther perks on the loads you lot-

I showed instructiveling me that f I didn't I would soon be on a nugged that with no

"It is wante turb with I have only been sor list threes get out of hand. He wasn't a strachten itose nequites and bad depsons out very soon. You'll help up. I hope We may know more shout the problems than

"How do you qualify for a lob like this?"



"Not the Boos if that's what you're getting at John its been kind of traditional You man ences and everyone was seeing bright with no one was seeing the other ade 1 found low with my ability pould do good work here pasy. I sometimes with we had a little more heip from the Boss, a little more cuidance. Again the strate

Lost on my mask

"Chourse" I said libcord that a cradual master

"Soci you can see how this all makes you much more valuable to the organization

"Weld train to love you now John Not when

List hen talk at me until he looked at his watch and all the time I nodded and considl eased myself into a turnabout 1 did some confessing until his discomfort was stretched tert appointment-and made my conclud-

" ant wouldn't leal not tup here" I said keep on doing my bit wherever i'm best

Then I asked him for his autograph. He amigd real big and gave thome. Gods roll

Im on the road spain. I'm takeng to pao sie have and there being real gautous

chance. If take my no back down the road

I don't want to let everybody loose But went to know who else is onding up on the ular with God's right-hand man

The energy folies are suppring the station

stead of an Christ was supposed to be the rescued the righteous harrowood Hell, that's what they had always called it in my

If I deed make it if they're too powerbui and too siv then I L end up noting in block,

if I'm asking for help by tolling you this. But start it down you know Truck drivers her rowing Holl Isn't that a though? DO

The one in-a-million I Q test

GAMES

By Scot Moma

Most intoligence (or I/Q.) tests are datagreed

highest scores The Only / Q. Our Contest, published

radion (the 99 99993) percentile) Meca a

The Isunder of Maga and author of one

the result of almost two years of collebora

of 150 qualities one for membership in the

2 TIME LINET There is no enlosception

3 ASSISTANCE You are encouraged to

5 FEE For a basic \$5 sconing live you

For an additional \$5 (\$10 total), you will

- 2 HEEL ACHILLES BOX
- 3 SHOF CORRERS BARPEL ?

- 5 16 SEMI 116 7
- 6 BILLION BILLIONTH GIGA 7

- 2 BAIN BUE BREAD 1
- 10 FFFL PALPATE LISTEN 7
- IS THITTER HITTER TRAVES
- 14 WEE NARROW BRACHY- S
- 15 CIVIL PAPAL AMBASSADOR ?

- - 18 WINTER HIBEPHATE SUMMER 7

19 GOD THEOLOGY WHY IF GOD EXISTS THERE IS EVIL ?

- 21 LOGIC SOPHISTICAL FEAST 7
- 22 FUTHLESS INFRANCIAL MEAST
- CC PROTPLEGG MITHWEADTH WITH
- 22 19 CHICLET CHECK CRY
- 24 60 59 NEO 2

SPATIAL PROFILEMS

For each of the next two problems, lour of the five figures intelle some basic common leadure that the fifth figure tacks, indicate with the liquid problem to figure that does not belong with the next.



27 What is the minimum number of spoking thesis of paper sufficient to reproduce the patient below. The shares - included unput, unmerked, and opequeale placed bit on top of one another such that cash here some toped one some paper insolar as it is not opecuted by any operative spoker.



29 In going from square A to square B in the figure below what is the maximum number of squares that a chess knots could louch including Aland B if the knight relies only permissible moves ideas not louch any square more than once and from oils to other the Television stream.



Draw the faucth insure in this series.

EQU:		DATE:		100	28
6880	01	0.000	98		
	88 I	-9-9	28		08
10	50 I	<u> </u>	100		20
6 1 8 1	-				m

31 Several identical cubes are fused to form asolid object. Given the following teal years of pinch an object in them.

30: 127 dartical cabraid charles of track to operate bolow where a cubrait tack to operate bolow where to harmon matheme of beine charase charles through which a mouse of negligible abe address of the charase and the tack address of the charase taken through but the mouse always taken through but the mouse always taken through but the mouse always to operate balance to be cable of each charaand mathematic the cable of each charater of the charase whole more than each?



33 Fire data are amanged in space so hal no more than three at a time can have a single fac satisfies pass through term II reach group of Inree dots has a fait sufface plass through it and extend to entitle distance in every disection, what is be maximum sumber of different lines at which threas surfacials may interface one earther?

34. Biggene that each radie of a cube is prefered a strigg within ords,—red, blue, mail are choran cuby, in data grantenia are striggeneously index of the cube of the participation. When all one radies are participation. When all one radies are participation. When all one radies the participation of the cube of the cube of the participation of the cube of the cube of the participation of the cube of the cube of the participation of the cube of the cube of the participation of the cube of the cube of the matching of the cube of the cube of the matching of the cube of the cube of the participation of the cube of the cube of the matching of the cube of the cube of the matching of the cube of the cube of the participation of the cube of the cube of the matching of the cube of

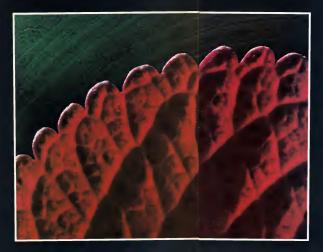
35. A cube of butter is aloud the times by a butter kink is his how many pocos at most can the cube of butter thereby be directed if each kink atroke is principly storght (i.e. plane) and the pocos of butter are mere recreaped? The types below fursities there show, vertice earth closes



38 What is the maximum number of completely bounded volumes that can be isomed by these interpretieting cubes, considering only the surfaces of the cubes as bounds and ocurring only volumes that are not kuther autoendee?

NUMERICAL PROBLEMS

37 A matchined watacen of the doe game traps is played with two segular (i.e., periedly systemetrical) dodecohedrone such die hats is adas numbered from 1 to 12 so that any sum from 2 to 24 would



PHENOMENA

Non device the phi of the second point of the phi of common constraints of the phi of th



be showing on the top surfaces of the two wrs. If he gets the sum 2 3, or 24 (craps), he must show both dice again. On this or

38. Nustrated below is a simple scale for whiching objects. The scale consults of a higam Suppose that the objects to be . sit 29, 100 After placing one such ctact on other of the two weighing pans one or more precal braced weights is then the object. If the relative positions of the lever fulcrum and pars may not be changed and if one may not add to the initial set of number of such precalibrated weights that of these objects/?



S9 A crystal consists of 100 000 000 law ers of atoms such that there is 1 atomin the it strated below. Exactly how many stores

30 B & S

sy that any one parson selected at nandom of any server persons chosen at random da actly one was born on Monda/?

41 A pertain look torraising and lowering NI wide and 20 deep. A berge is floaging in moved measuring 90 meters long 25 wide. and 5 dilet. The barge containing 3000 long tons of water The water has a climitity of one tong ton per cubic meter Each barrel of chemicals is waterlight with a volume of

one cubic mater and a weight of two long incoentble and attach a time bomb to the The barge contains elevators for moving barrels quackly to the dack, but the provis an included place in the time alloted. The edue of the look, from which the barrels could with an alightity above the top edge of the



42 As one can see from the diagram be



For each of the following number serves what

43 15:52 29 144 175 180 147 2 48 1 3 8 22 65 209 732 2780 ?

The conclusion the test OO

EARTH

by the work of Allen Frey a biophysicist and studying sounds generated not by marit tranetic fields associated with radar, micro-

problem Frey discovered that such fields. while too weak to cause vibration in the cutsale manoment somehow strukate the inow any test Attouch upput of the south mechanism involved. Frey sugnises that these very week telds might be affaction the that electrochemical reaction may be yors-

While Kogy's theory about vibration of the summation enconnect makes sonse Fire adds gaint leaballs are most probably strmcommentment as well as the external conelectromagnetic wave

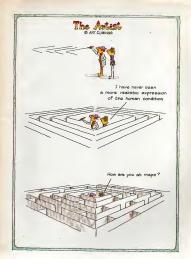
Both Frey and Keey must that batter undestanting of the phenomenon will have a wahie naufit i connot roactly how elecwill man us creater insight rip the human

And understancing how fireballs gener ste sound salvs Keev pould open new vistes for scartatis study to be ophytics, stop

In the past, Keev noise, a concerned study there are only three or four great mateors a these projectives will arrive, and there simply anal 1 shough of them to justify a long term. wait complete with recording equipment and

But that issue he adds may now be ap arieme. A new predictable kind of trebsilplasma and noise as do fireballs dropping

The space shuttle oftens a golden optace recorder an amplifier and a bit of time. dectromagnetic signal on tipe we can learn to reard. We'd be solving a measury that's haunted us for two hundred years 'DO





NORD

By Mitch Coleman

 Davies is one of more than a dozen behavioral researchers patrelling U.S cities as part of an effort to control the proliferation of a new urban gengele—the street mime * In organic Latings (of the header to see register, the open docting) of the header point as re policed what looked less a large build the a hearthese transplater dort. The scharade open the non-exect the head matery blacks: "I'll put (on down and keep, and down for door if you fam, head keep them with a network without the"

Based over eff mells tilten a Quant Based over eff mells tilten a Quant Based over tilten at tilten at tilten at til effekt for parter for performant mells att tilten parter for at tilten at tilten at tilten att tilten parter for att tilten at tilten at tilten att tilten parter for att tilten att tilten att tilten att tilten parter for att tilten att

"Itsy can't apt without hiding one. Davids and spating out of the door of the helicepfor and aerologic a casked of minute scattaining other park below. They to petting so thisk down there if is specify becoming it housed for expected are

Here twy are tarring who a frue social gradium in 46 acids i Here you wer third as well region analow all full of immos? The sub third you from the full of both of you, ryumchary you, walk and intercompression internation to bush at you. Or they table is provided and publicle you're singhaf in this laugh at you. Or they table is provided and public with a singhaf in this laugh at you can be a singhaf in this laugh at you can be a singhaf in this laugh at you can be a singhaf in this laugh at we frouver hairs. That is diff assessed as

The provincial of a minimum take work fields in the second secon

Libroately, Deves and the colleagues hube to find aut whet caluses an otherwise normal person to take up interviewandek heptyl sigtased and pocularly annoying toers of artistic expension. Were sust injurg to levern what makes than tall into iteration. "Thes part review than tall into by side to turn semit koll to the enautid."

 Darkes loaded the class into the rifle the impactor in the larg. Then the petition due impactor in the larg. Then the petition due to the petition of the large large the large large beyond to access the minimosphere petition. Becarded large the minimosphere petition. Becarded large the minimosphere petition. Becarded large the minimosphere large large devices the large large large large large devices and the large large large large large devices and large large large large large devices and large large large large large devices and large l

The pilot set? the belongter risk a generating dow in a cleaning bolow, there indexs who had been wathing an imaginary aptropy stopped toad still at the actual of the soars. There two of the trajecture ran lar cover while the third mined waters they pilot be and by teating thrived and they pilot bear thanking to been

These or is such informing to go the control formed of the second second

Subserly Daves stopped taking A look of phods moved acrois his face, and then his eyes welled with loads. (The mimos ayas had transforps Under them as well, but they were painted bit.)

 dairy? Is that you?" he whispored
The mone grouned actic made a faulate attempt to climits an imaginary ladder

* My Gool it's my boy, Jerry Tee years ago he disopped out of cleriful school to be an apper and we haven theard from him area. The is inpredicted.

Devres cracted ine young rean in his erme and holiened over has shoulder at me 'Quick! Bring me a racko contar?' DO

Mecal Collemino II, a Christopo colosial interferce wrtysr labo augia tre bas la compliere collectrice o Marcell Marzanitra recoltori