PREDICTING THE FUTURE OF PROFESSIONAL SPORTS ANIMAL INTOXICATION: A STUDY IN THE NATURAL AND WAY ADJURAT

USE OF DRUGS

BARNARD ON LIFE EXTENSION

MIND CURES

IWASAKI: MASTER OF SPACE ART COMMUNICATING WITH ALIENS THROUGH MATH





EDITOR IN CHIEF & DESIGN DIRECTOR BOB GUCCIONE

PRESERVER KATHY NEETON EDITORI GLEMALY WILLIAMS II ENCUTINE EDITORI PRINCE ADDROFT GRAMICS DIRECTOR PRINCE ADDROFT MANAGING EDITORI PRILE HEITS ANT DIRECTORI AMY SEISSLOR

CONTENTS			PAGE
FIRIST WORD	Opines	Or Christiean Bernant	0
CAMM BUIS	Contributors		10
DOMMUNICATIONS	Conspondance		14
FOFFUM	Dielogue		18
SPACE	Commont	Edward Room Jr	1.8
ROOM	Health	Bill Lawren	20
MIND	Behavior	Beth Krach	22
STARS	Astronomy	Stove Nage	24
BREAKTHROUGHS	Technology	Tere Drazeko	20
CONTINUUM	Dala Bask		29
THE TEAMS OF 2002	Que	Potent Weil and Stree Fox	58
SAJAH PUNS THE WEASEL	Fishen	Water Jor Warns	44
MND CURES	Aracle	Strven E. Locke M.D., and Douglas Colligen	50
MCRO RONESCAPES	Picipeal	Bran McKernen	56
D CARLETON GAUCUBER	Intercept	Bil Mandow	12
JUNGLE REVELERS	Ancle	Ronald K. Gugel	20
CELESTIAL DWRY	Pictonal	Overn Davess	76
ANTIWATTER	LIPCe etc		85
CIAMES	Drawnons	Sout Morra	510
NERICE MEEOR	Phonomena	DekLine	199
LAST WORD	Humor	Mitch Coleman	118



Roovaly Lepialy Japania 4 C6/06



FIRST

By Dr Chitstiaan Barhaid

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CONTRIBUTORS









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cherped me, he and I was saved from

Also deserving an Als Water Jon Williams deleted by her space colones. Sha her a way out because she has a specialand dangerous-of: DO

you're a sports fan, you've probably recal many BBI when the days of Bats

Detxnoh, commissioner of Major League Baselusti In The Tearra of 2002 (pape commissioner of sorts," says Wall author of The Yankee Gusz Book (Doubleday) When I thought of a sports guy. form wan

Whether the year is 1996 or 2088, athletic performance will always be equal parts physical and mental provides. Although the In Mind Cures on page 50 authors

present scattle ventication for the way Locke associate develor of the Psychiatry Ones survey editor Collegen sees "In a why psychoneurommundogy is another infuences the health of the body

nothing can affect the physical outcome

toouses on Nobel prize winner D. Calicton Gestasek, who has sport his Me searching obvision introduced tim to lains a betting

ETTERS

COMMUNIC/ATIONS

On the Mend

My thanks to Orona for the Continuum socion. Information contained in the item "Bone Transplant" (February 1965) has own me back my baath.

In August 16941 was diagnosed as heaving evencille necross in my right bightione. I save many orthopedic special table ind liney all said the same thing Nothing could be done for a patient as young as invited. I was left to face a boxes of constant can.

Parhaps if was drives moreenton, but while thattong mough Crinic to the a days to driven my toobled minist in the Taken Transplant. By Bicc Mathemy, which told of an oppermental operation that offered new hopp for younge patients. The information in the article hispatil me to moment the driven who offere the more that

On September 23 1965 Lunderwort obtacchondral allograft surgery Lam happy to report thal Lam recovering well and L livel tastastimum on mem samt

> Garth Kine Penorama City, CA

Easter Epress

Soviet mig wings about the United Sitaosi plan to build an emergency landing ship for the space shuffle on Online Easter Island made perfect series to the (Space December 1965)

If you betwee that our government gwen a toehold—won't disrupt the island's koology, then you dan I know the history of betrayal behind all of our treates with the Amenicajo Indians.

Ray B Orland Maine IL

An Energetic Campaign

Joseph Newman, inventor of the energy michinik diserves a patient, and we are confident to will got one. But the negative publicity he received in "Perpetual Motion" [Earth, Dacamber 1985] put makes his cuest all the more difficult.

Donn's intuce open two past trauds as automatic, proof that the energy machine work work. The implications of such take least/oning are defesting to anyone with an impletive mind. Brookd we successful all mecloal innovations just because there are a few quacks? Surely not. It is obvious that writer T.A. Hop partnermer has sealed neither the machine nor the theory upon which is openation.

Newman's supporters incluse Congress men Dan Burton (R. Inclane) and Billy Tacon (D. Lossena) as well as the New Orbans Chy Councel in addicton, there are thousands of perceire across the county who are intersated in the energy michular, including (hose who have had both he courage and experime to lear this new deal

When both sides of the argument are and the operability of the onergy machine will win the day, when only one side is presented, innovation is discouraged. We urge you to get competent people to test the device and then while your retrain

Faul D. Kratchmar Associate Director The Energy Machine Campaign New Origins

Facts About Fighon

Empty good fiction and Effect that Oxins 5 to better than severage. A cere in pant is The Dragon Savat, by Kote Wilhelm (December 1965) which was an excellent ager form start to finish.

The number of magazines that offer tation has declined over the years. Navar heldes: The that a reputation for feedung good short some makes a publication more popular Tiget is to out of Orini, and fill fattor makes it is complete and wellrounded magazine.

Dons H Waldo Kenigomery Creek, DA

Stanber Namber

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 Michael and Edwards Lafter Event. For Tax Macfance increasing agreement observation participants (MI) for mathematical party Market and Takyon Mill.

DIALOGUE

FORUM

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The Advant of Mr. Morn?

Hooray for Male Programoy (December 1965) by Dick Teres and Kathleen McAuthe The technologies described in 1 that article will open new possibilities to many families.

Make chickbeering could have only positive repercussions on healthy open ministed people. There are many perfectly legitimate cases in which the faither is ability to carry the child could solve problems for both him and his wite

Edd howver take offeree at one absold expressed in the attrict to Code Jacobson is cucted as saying that the technology for wombleas programs as would be an abuse formatics to use? but proper for women who have no uterus but who want to have a baby.

Now work a moute! If the relies are the same for either sex (the article implied) that they also (why is it dive) for the technology to be used only on women? I know several mentally—of carrying a baby. And I know that under the right crocumstances they would be it

In spite of that objection. Male Pregnancy: was a great article and I hope to see follow ups in fucure issues of Dirty Carolyn L. Meuse Withdam. M.

I see no bandets to humanity in male pregnency and all total works. Before that including in the creater good complex that sectors to makinate so many scientists the research community should consider indexes. Sciences should concern tate indexes sciences should concern tate on finding table cheap means to checkely lower the behavior all expression Use without some level of quality deserving the distribute harmon is a curso in ora is gift immediates in human reproduction are faddate, continentation production are market that denotify oputeracist in dictates of the world accountry Obsersson with these technologies may become the spade for a mass grave.

> T Cawn McGusen Spanaway WA

I found if Make Pregnance, que la sectavitary and as intracional viennane à una maia toriennale transpesual vien bas assorticos d'au abiery to resonance. As que la marcheria the sanse of interestative fuel contras with resign philotent i vieudant wart to be the first periori to i secone pregnance by movies to be observative de la marcheria de la but i dalli live the option to be waisfable to ma.

As ubsat society is playing catch-up with reduced lectrology and a group of shall made is wolven a trateatly to suppress here latest advances in the science of lectility. They are clinging dependent to mainternate standorpuls that give us at a contrivid science of address that give us at a contrivid science of address.

Driv's admission of apprehension about these new sochreques surpresed me. You have always expressed vows that are way alread of the times. Please don't lose your councer row.

Hounds

It is no vector's that man are interested in becoming engrease. Denote and understmy, does liked Bootform have brought about logated photos The message to men tookin as deer. Only through the goodwirds the vectrain ny user has a period with your children which are become goods with your children which are observed possible meaning bild or your involvement with your children which are exceed possible to an an annotation that do schall once static "Near may control the money build women control the sex and children and heaving vectors the many back and the static schedule and the static schedule and the static schedule and the sex and children and heaving vectors the many back and the schedule and the sex and the schedule and

sione seenomis chauvinistic and encreace remains about the nature of merand their motives for becoming pregnant detrois me. They show a concern about women's potential loss of dominance over chicken Herstatement may well reveal that the true goal of modern Nemmann is control not equality

There's yes be providing an excellent and thought providing ancies. The modeal breed/thought of male programory would allow fin all papels to choose their own options and be here of the concors of others wherein would be free of womens use of different as means of contextuben them.

> John A. Rossler Vice Preventing Public Relations Fathers Rights Association of New York State Inc. North Synacuse MY

Now we know that someday men will be able to say that they gave to the ther offspring. Today men and women constaute waskilly genetically but not physiologically

Partiaps is is good that the belogical function of children is retrieved a some of its mystical. Personal identity shouldn't be initial so strongly to reproductive function and plumbing.

The possibility of male pregnancy and sther unarthodox forms of precension hough initially replayment to some may prove to be the dealtholow to most horms of social considered only as a last resort but dileted it is an available one one of dileted it is an available one.

Minam Greenweld Morion Station PA

Male Pregnancy: was researched with a rare understanding of both the pro and con sides of the subject

Tam very satisfied with being a matilities not gay or transsexual, but fiths opportuingly to base is child were to become available I would take advantage of in despite all the risks and obvous social complications that such an abbon would revolve

It want to know boll the toy and haldship of bringing is new life into the world. Lyestin to that feeling of competer involvement Most of all. I feel their experiencering pregnancy would help me beer understand and appreciate women.

John D. Sostion Farborn GHOO





By Edward Regis, Jr.

he alian scientist on planet Nyab of the gravit-Hazzod system in the Andrometic galaxy mes from his steenarcy banch and pusities a roldolast abas into the self in font of him. They shatce liquids spliting leaving a look anal

The where operated two interment teaching try his side addition this kompty missilageon feetures. Runningford from all angles by the three such that are corose the heavens. She reason her hand to wave away a lose that lofe from the eye and axis. "Syster, and the block from the eye and axis."

"Estorbat bronew: The answers After a lew sullen moments they return to ther test tables to bag in the separiment once again. They re living to make a new familiar to the one they suspect may read on other plants).

Buch coabulas and a reprire estatementate they to entracion a Holywood stage. Aleres from other works will be far more complicated than these castboard cutouts And what is use of the element bodies will also be true of the emmitte. As a result, their searep may not coomhole cuto.

Expecting extratementrials to be doing

natural science as we do on Earth is like expecting a newly discovered insertissing nois to be aparating grammabcal English, "says Noholas Rescher, a philoso pherio science al the University of Hitsburgh. It's publicability and watch thereing."

According to Rescher, asgaments evolve in response to their environmental Blocaus exhapteriorite habitatis will be indecidly clifteren from earthly cares to will the creatures who solve these. Even the way hay perceive their world will be desamlar from the way we become using

If an alone environment is not emply, endowed with send objects or stable strucbases. Rescher carps, "iil, for example here are plottenhive creatures environment about in a locary sear then their geometry could be comething rather strange A scorery of moletile creatures might never tweam of developing of

If Peecher is convict, the ET's won't have a technology even rendely compatible with what we have an Earth And even if they have radio transmitters what's a meesage to them may be static to us. If we are to take semiculty car officier near from



Marvn Mesky Aliyou need to communicate are good mathematicians to DMM extraterostrats we must apporently give up the age-old detern of decoursing with stamma—or of loast sock alternative methods of communication.

The computer is elemins may viscule up tern cosmic controllations in Reaching an Ibolang to antihoal intelligence to declose the ascents of astudenerative mode. And early indications tell us that no matter what estationers and the term of the ascent the ascent with the term of the ascent the ascent with we do. We should be astet to communicate with them through the mode to base of researing processes antihonties.

These clarms come from the world's biomedi concepts expert Menaley Minisky collevels that we can make batter than we can about their bodies invitgence in their you be a universal quality, the percent when you be a universal quality, the many optimization their bodies that a many the Menaley explanates that is a many theorem and the world but not a many theorem and the amount of the second and the many optimization and the many optimization and a many the percent for the many optimization and the many optimization

What Turing did "Minsky seje, was to make he idea of a computer —or a machine —very precise. He did this by defining what a perhaps the empletel pose ble computer one that a new known as a Turing machine.

A listing mechanic is set is black box that has a small number of possible states." Minsky says, "and if you say what state it is in you ve given a complete desception of its commis.

Because the Turng machine exists only in theory if a not important to know precisely how a working model would operate. What's important is that the imaginary godget is programmed to respond to exercise of districts in concess.

These stimula are feed into the machine in the tomo (marks on a tage). The tage is a long series of squares. Marking coplanes. Let's say there can be either a zero or a one is a square. The machine call exercisely do these things it can solar these zeros and enset, it can move either eght or left to the next square.

It is surprising that from these simple devices the most complex believor patients contracto on India at

BRAIN LAUNCHING



By Bit Lawren

point of express relationships of the most point of express, relationships of organisms padd by padding and and gradual everp of geologic time as a divining table by to costs analy summarized the weaking in the last forward into a model in which the last forward into a matching table by the costs provide available that an angement changes of available to set the summary owneght.

The harves trans, be inserved to account to an adverse out 21 a cubic network to its present 854 out as when an error 2 miles were. Second 15 was been durantly for disclash is inspirant the evolutionary for disclash is inspirant the evolutionary memory. Since cubic the second second memory and the second second second reserved as the second second second element project of the barriers growth libra cubic second that it against the second second that a confidentiation also optimised. The growth of the transmitted second second and the second second second second second of the second second of these second and the second second second second second and the second second of these second se

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With the got line that warreng, Cave and the classification paragraphic tells received withow for singht classification of more than withow for singht classification of a second—file field in the minimum classification of a second—file field in the minimum classification of a second—file second second second—file field in the institution of a second—file the task the tasks and more negative the the task the tasks and more negative the minimum of the task becomes. Bioclassification of masks in the tasks the tasks and more negative the tasks the tasks and more negative the transition in the tasks and more negative consisters. If you can there a three, freed bottle classification of home positive - in the classification of home positive - in the second open to you. You can threw faster and Marhar, which means you can bring down bigger primals or stand further away so as not to spock your prey."

Like Or a Physiological data en a perior total Calendrovana a Twas Free avariants' Their Internet's fail Mod real avariants' Their Internet's fail Mod real avariants' and the second of the second packation in the gal of their data for a physiological avariant and the physiological avariant avariant avariant physiological avaria

Booosted is in evolutionary science have growed Calvins throwing theory with mixed revews "I think it is an interesting lobo, "avail Harvierd interfacedoant Given



A shore a throw every from a frahm / Q

Isaac Thi vary ready to below their house my was an importent ingradient in the series of howhes that appeared construbeneous to the series of the series of the patient ago (but im slophed that through y their ago (but im slophed that through the series of the series of the series of integradient and show the series of series of the series of the series of series of patient—patient of the series of series of patient—patient of the series of the

Evolutionary bactger filteration Treats a proper highbor. In calibratic, the ways of bactering the control of the set of bactering theorem and the set of the physical apart but that language as a markangle more agraduate factor and the physical apart but that language as markangle more agraduate factor and the physical apart but that language as a different but the theorem and the physical set of the theorem and the physical set of the theorem and the physical set of the theorem and the theorem and the theorem field development between inclusions adds, and the the theorem and the theorem and ways and the theorem inclusion adds and the theorem and the theorem

Calvin explains that his three's new there than one accurst induce the acterithment from the induced sector of a terithment from the burners barn. The same the action of the burners barn. The same the action of the burners barn. The same the same the same tables to complete the time and barners barn. The same tables the same tables to be barn the same tables there is a same tables to be actioned as the time tables to bag tables to a sensities there is a same tables to be a the barn the very. On the other barn, and the tables tables to be the other barn, and the same tables to be the other barn, and the same tables to be the other barn, and the same tables to be the other barn, and the same tables to be a the barn of the source tables to be a the tables tables to the other barn, and the source tables to be a the tables tables to the other barn, and the source tables to be a the tables tables to the other barn.

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SMART KIDS

By Beth Kinsch

hers Chris Grasberg Regis sockes put him above the period take sockes put him above the period to the oppulation-site sait. On my God while a terrible responsibility. Her reaction she laar diagovered was typical

Instead of Junnerg carriertweis and shoeting. Hurney mais parenting dai Trightaned They beet lotably unpresented, seve Reggs diverment of the Nelsonal Alumos of Stake Akepacianos for the Crited and the said described. "Dear Abby of gifted land With all the electron foscient on netwares a gibbait chied, the paget of the patients is often introblem.

Let write golles chist and the one on-baseling and criminality of boars to underland beer under the card of the control of the beer unders have pair microwered you micro doing somethyme you chich were to sho the make you, beer readonated with a some variable in the control of the control of the make the control of the control of the somethyme the the the control of the make chicken which is the control of the somethyme the the the control of the somethyme the the the control of the somethyme the somethyme the somethyme the predemation of the somethyme the somethyme the somethyme the control of the somethyme control of the somethyme the somethyme control of the somethyme the somethyme the somethyme control of the somethyme the somethy control of the somethyme the

Some of the most owner acts of paventing-indepting to example- and to husbarry. Gifted childron are especially every to despite because think in the ait his solids of what James T. Webb psychologist and document of Carship Me Gifted Catch, describer as the Philaselptine lawyer. They always are todary the limits and spot every loophole. They say within the later of the law but not the spot.

If I sand my son to his room and tell him he can't come out till he cleans it. Bays Barbara Owan a Virginia mother of two priod boys The'l just stay in there reading every book he has.

Having a gifted child affects the entro tamits not always in a positive way. Sibilings may resent the spaceal attention the child sections and the paramits too may start to left the family is centered around the child Paramis—Italitish especiality—may ze own

Mean-bindersteing serve of the pocular lines or gifted choice or grandpatients and obser reletives may onlines the parents for antian industancias like sitely the choice stay up until 11 m. But essentich has been been bleep. Some geby or an little as live house a most "boom recognise the parents of a gibbot child by the uncles untaits have open. Happe deter

Others may believe the partners are putting the other way around " Gibbd may be the other way around " Gibbd bid ligame of two y acably that in new way to get understand advection is to part the action burner because the pattern like it orbitisms and not weak their pommal, way other and not weak their pommal, and other and the spant at all would have the set of the set of all the solution.



Grind child and panet. Who als charge?

hes a whole bit smarter than I arr—and I in far from shapid. But also I would have depresed him of the benefits that come from dealerging himself.

Despite the child's inhall gence on inflet because of it extend can be a problem rative than an outlat for the ghto! They often gend much of thest time wairing for their distantiates to clach up, and come home from school hostinate and angry Patents who aren raveous of their child is estimutinary infligence may instit the sistantian as a behavior performer which it tables.

Using when they recognize that shalls advanted, the parallel asserts to evay to calculate them may not always to every memory and the second second second in the second second second second ing databased handly any offer sprong concrete for the parallel. To find an engle advanted handly any offer sprong concrete for the parallel. To find an engle advanted handly any offer sprong advanted handly any offer sprong advanted handly any offer sprong memory and the sprong advanted to make a sprong the sprong advanted handle to the second second memory and the sprong advanted advanted to the sprong memory and memory and memory advanted memory advanted memory advanted memory m

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At times the parents of the girled need as much support as the child A endoxprogram for girled children ports out. "I pout on-yeer children ports out." If pout on-yeer children ports out. "I pout on-yeer children is donerhal age of beenty So fi yours thirty you shi have ten mental were on the Ad."

Riggs a advice - Don't take your job so sensusly that you logget to enjoy your kids Ask any patient of the gated—them a no problem they d rather have DO THE SEARCHERS

STARS

By Steve Nach

pent life, but he stal wants to take a good look 1d be grazy not to try So Horowizbeen mothcalled ance 1975. The renovated

pot off to a charteful shart in March, 1263 he bult Sentine's successor called META

Spolberg-aded by his three-and a tell-ments old son Max-fitnest on the pendit manager META avoids gradues of its prodecessor's mean drawbacks. Sentinel imitation Horowiz acknowledges as 'prets' patrapectal META can obtect any secrate largeted alour galaxyor outlothe universe

META Howard one "anomotione more searching in one minute than could

well "exclaims Conther Schwartz, a member

labor pervided by undergraduates who



E 7 to Earth META is reading for the call

META works 24 hours a day monitoring which can be used only on clear rights. by tool. Schwartz says, and its cheap. It

Horowiz says that there are not encuch elsowhere. There's nothing extraordinary about our sun and nothing special about out

Take anything in astronomy " he oprimyou find one of something like some sharpe star then people find handfuls, dozene,

is set-annexisting. Horowtz says. As inchroiogy moreover, the capability of a Inere but not at the same time. And so they

HALLEY'S HOTLINE

information on the whereabouts of Halley's mation lines to call are

The Naval Observatory a new hothon

ARC News and the Planetary Society's Oumber (900) 410-STAP

California 14080 429-3320

4002 00

PHOSPHENE MACHINE

BRE/AKTI-IROUGHS

By Tim Onosko

As a boy inverter. Bitghan Beck, witch the palation of bit in bod pass has ingers agained for events across the wyos Years lake, shill backnow by his phasermon, bleck a buy dosgin mg a dheck to in electrically at maker the becase interpretably remained the providing people with an new vasal entertionment (speem).

Called the phosphoton Bocks devices the based on a physicipal phosphoton emission the has been observed for centuring the pick-dation of phosphotons then has then total and the phosphoton been here devices positions of the the low menuin bables they bit askept or the low menuin bables they bit askept on the horizon and prochase. Phosphoton-the sizes, the boose see phosphoton-the floor.

The introduction introduces (ny electrical impulsies infoliate ingen of the lase suncording the eye. The currents are pairle and theoremy modulated before bang distivoted to a feaded which more where sunghistere them a processor electron, where sunghistere them a processor electron, industries. Takes has devinentimised that the car devine nearly detrical imagins to devine weaters them a groups.

The version of the privacy where a sample closes description of the privacy way and provide description of the privacy bear determined program in the privacy bear determined program is a strategies of the bears and the free privacy is a strategies on each determined with the privacy bears and determined and the strategies on each dependent and strategies of the strategies on dependent and strategies of the strategies of the free determined and strategies of the dependent and strategies of the strategies of the free determined and strategies of the bears and strategies of the improvement dependent and the strategies of the dependent of the strategies of the strategies of the determined the strategies of the strategies of the strategies of the improvement and anyone of the improvement and strategies of the strate

Arross interesticates I use a solutively bright flokaning affect. After a two moments is before a suppling pattern moving from welk to side tollowed by a pulsating gapt on the cartilis of the years gapt control to a supplication of the current cauda be all to music or pulging a portable cassolate player into the phraghetiren. The images all contains and began to vary in informity as the musical passages changed

Book, who now haids ha own reasonable and development shop. Book floats designed his that throughshoot no oblege at the University of linner. That will be able to be the sector in that an umple balancy optimized reason and a wereform genes. Set-al couple of D oxies, as understation obsolution why means you monitore outpetted because anything you monitore outpetted.

Basis loand theil by contining the common to the up aliaba har awaited the nex of castiloculmonary arreat which occurs which an electric current is not through the heart. Toon tronget Tha nerve agnatis in the body are very very each signalis mithods and miniamos. Bo a bettery of one and a half vold supplied in the right place care probably herm your and blop your heart. The size

Beck's interest in the mechanics of photophene production led him to inquire about what phosphanics actually are and where they originate in the ove. Some



AD EVERYON for An and more value

Hookes way that electroway produced photophones courb cause in electroway inetic fields from the cause is an inducery electroway and the cause is an inducery electroway and the cause is a set of the electroway and the cause is a set of the and second way manufacture (Instiand) second way manufacture (Instiementation of the second second to set of the second of the second seco

Beck freques to begin setting a simple variant of the structure term to be the year. A new variant, which was use massprovide a set of the structure of the setting distributions is in the diverticitient. Here is done distributions and the diverticitient. Here is done its and the setting of the setting of the distribution of the setting of the result of the setting of the result of the setting of the set of the setting of the set of the set

NEW PRODUCTS

For those who parks external both stopped The a Collonia company has developed The Imagenesise is selected companion that in the selection of the selection of the particle systems and the selection of the particle systems and the selection of the selection designs around a logical moving generation designs around a logical moving generation and a logical moving generation of the systems particle systems and the systems and the system and the systems and the systems and the LA benders

For a meditate display of light and colds thesis Antomy Desproy to Independent physician Raghad Chinakan Ital VHS inter continens Abelgiologia colds pathrans and a guinery Imagh the universe with obstantial and New Age music to cretere a video material for relocation and healing (Awalataki lei cital Ste from the Eryan Cosportation, 49 Burrind, San Anseime, CA 94900; ICD

CONTINUUM

SEX IN ZERO G

In a science is one too is write newly to year age a mean herman, Board an orberg space latter compares to have an avec organized and the science of the science herman and the science of the science of the science of the science of the herman and the science of the science of the science of the science of the herman and the science of the science of

There was ababilitating not particle for the lists whethan in solarventrine Toegetimes to seeing relations in a meru while in other here. Test high was in a loss person apparter transport. Thereby yours lass solars they are also approximately approximately approximately solars they are approximately approximately approximately particular diseases to how an apparently fails that previous in the particular diseases of the second-water diseases are previous. The particular diseases of the second-water diseases are previous the typ one of the transfer contractional, who their diseases are previous the second the salation. We wang and a national disease are previous the second the salation.

Not marken of a backsoner

This shuttle flights of Balty Ride and her temale colleagues have been to completely covered by selevices monitors that the subyou of each as not once been reased, even by New Wallace and he 60 Minuto involutional ensure.

Yet investably mer and women will understeel her, mosi hunner of activities promiverers it, provide line provisioning approxialways serving new tronters. In the early days of availant inveswe regin and women launched the Mike Migh Calub degrate the hannets of open capitages and asvess windows. So down or as for openal degratements with the Arannet de Carlow or as for openal degratements with the Arannet degrate degrate the line openal degratements with the Arannet degratement degratement of the available degratement with the Arannet degratement of the available degratement with the Arannet degratement of the available degratement with the Arannet degratement of the Arannet degratemen

Zero gravy wold premis to be extremely consistent to a global series with a Falan gravity and the series of the series of the low on a wear boat. Note of the attractures and have been rated with a series that there even install of the house (or does not once without any the series there even install of the house (or does not once and one) of the series of the seri tem Sweper Woody Alven said that he arways tot he throwing up alter making low: In 204 i gravity he could get the messy part over with dwiles he starts (prepaid)

Physiologically making bolic is also grainly fait many advantings. To begin with when weightings both make and leads with and to oper laker and partner reprovality in the west and legin pravity mot torgan pulling all. Most activities, and operation gravity into torgan pulling all. Most activities and operation gravity into torgan pulling all. Most activities and operation gravity into torgan pulling all. Most activities and operation gravity into torgan pulling all. Most activities and operation gravity into torgan pulling all. Most activities and the weight leads conduction there is no need to the admost support public activities and make and weight we can call with

Single is a sealer for the finant to pump weighted to be the the candideveloped sealer should be exact on zero growing for to man to obtain and maintain an exection, which which will be by the pressure of biccol engoging the pendel takes. The same are say of opume for a woman's original pixula.

In gate gates, such earthound term as up and other, loca and caves precisional term many to use the anti-line antices of an explosure—or none of term and local term import form and cave, term only valoted ensures without the many term william bit upon Sexual pre-can relaxed and provide the surface bit upon Sexual pre-can relaxed and provide the pre-canonic sector of the sector of the sector of the many term and to the sector because and the term of the antice pre-canonic sector of the se

The actual act of perioditation can present active learning performs Unless weighters conclusions a body in motion tends to termain mixian and the sighters budy can produce movement While the his for sightful appendix from cause tends of Reaches to act a term bornsech from NABA this becomes a service to and doking protoes Taylor to be able to consummate the bearward percentily. Ever consummaries the bearwards percentily the consummaries the bearwards percentily. The consummaries the bearwards percentily.

Will fulure space shuffle, become the Love Doxto of the Nerlea? Will Dr. Buch Westhermer open a branch office in orbit? Will we see a zero gravity honeymoon Total open is doors alongade NASAs space station? Lancerely hope sol—BEN BOWR

Ben Bova is president of the National Space Institute and former scie prindent/walitanal divector of Omini



CONTINUUM



Soviet athlete. We deally rate?

DEAD RUSSIAN

The could have among Soviet abletos chring the paid 20 years their town 20 intrees higher than black of twee Amongon and West German competitions. While a more many Pausaen abletos have ded under chroumstanges that auggest the excession we of such performancehierong drugs as stemulates and anabele services.

This starting information consist from Foreign Report, a newsletter published by the respected Bettelt publication The Economist

The deceased Soviet artifiels according to forward Paport include as who were between ages twentyone and twenty-live fault between twenty-six and things and neu between things over artifields who clied before the age of tany rive there are twe gold modalists.

"A law pair pressed by

Ine Sovets has made use of matched standard (kgall / natals Pation Vey M.D. d) reals in those Vey M.D. d) reals in the source state is indeed the social in the rear provide sovet the magint in fact be a resolven to this student?

Anatobic secolal, which are synthetic analogi of meak hormanes help athetes add lean muchie But stands have been linked to bee cancer studie and heart de base (or key tags, And attentions, which increases heart sate and heapfain performance levels, can cause cardida emest and carteria theramitigat

Although reliable drugdistanction saits have now been developed, Voy says, not all international compettions actually screen the athletes for drugs

-Enc Mehana Consistency requires you to be as ignorishi today as you were a year ago

KINGRY SEALS

Tables of common to common

recent constructions supplies of the future construction of the future the set of the set of the set paceae of set have been such vorticous appreciates for source reservoirs of set of the set vorticous appreciates for source particular and results of the delications that both mamme beforgate and required for the set concerned.

It seems that some seals can consume as much as 10 percent of their body weight every 24 hours—as much as 80 pounds a day in the case of the huge gray sealand millions of metro tone of verous fielt are guiped down annually by thoso occentoring certrivores

In a the water, and the water of points, thus concernenterms of points, thus concernen-E bustow and Dearer Remouth E bustow and Dearer Remouth Research shall be there appointed to the state of the research and the state of the state bustow and the there are bustowed to the there are bustowed to the there are bustowed to the state of the state of the Grand Baseches a set of in sciencial Basethere is a there of Mary alon, and there is a the of Mary alon, and there is a the of the state of the state of the Grand Basethere is a the of Mary alon, and there is a the of Mary alon, and the state of the state of Mary alon, and the state of the state of Mary alon, and the state of the state of Mary alon, and the state of the state of Mary alon, and the state of the state of Mary alon, and the state of the state of Mary alon, and the state of the state of Mary alon, and the state of Mary alon, and the state of the state of Mary alon, and the state of the state of Mary alon, and the state of Mary alon, and the state of Mary alon, and the state of the state of Mary alon, and the state of Mary alon, and the state of Mary alon, and the state of the state of Mary alon, and the state of Mary alon, and the state of the state of Mary alon, and the state of the state of Mary alon, and the state of the state of Mary alon, and the state of the state of Mary alon, and the state of the state of the state of Mary alon, and the state of the state of Mary alon, and the state of the state of the state of Mary alon, and the state of the stat

It is there this hundreds of those reaking geogenous costsure has themselves out of this water every summer to bask in the sun-deliver there oups and amuse the samy sound or two who might werhue that fair. Only about helf of the senis grow to making, but project that do could pose a district problem because of the amount of sealood they consume

Says Button. The postulated competition between real and man for commer casy valuable mastre species.

Is being one of the bellering in proteiners under slucky? Button and Rismouf want is show for moust than the dring match of the Mayukan seals, which speed about hell there days which a host was that there days which was the strange of account modation between seel and main, which may one day there to learn to live and sead together

Bowhai Butter wants a a way to tack the quarty wolf an effective laternatry collar which has to for elucido frem because assis sen not anatomically devices to icrop. Such a device would enable the beeching holds, songe and acta interactions of the wolf a sealar, as wolf as whith they call and when, where, and why they and and when they and and when, where, and why they and and



Harbor scale. These canvaores caspatch 30 pounds of sealood peday and may are day be considered a threat by merce Ashermen.

30 CMUI



Calibrate mokes some of items for calibre and more new.

COFFEE ACHIEVERS

Cathene — as in oothea es and ook — hes been as agned a villaam fan en makker angeng fors single noomse to crophing heart besees But a recent gogene and recent gomount of cathene nage be stratifican and a bean, evenng ther emportania keet wol beoating the performotion of the performotion of the performance all the serve time.

Judit Rapport and her oblesspees in the Child Psychiatry Branch of the National States of Mental Hastin Maccal Haster Child Haster Child Haster Tenbers Endet to drive intervely ange announce of califone sage announce of califone work is accard group of loss a califormity and a califone products and their over allow week free panded trackand to califone products was of collee daily

When raken of carteine, the nexember loans, high users are loss elent more of sluggeth and more republies, while the carair bothasid normally. Once subjects were given high levels of californi reversed. High users returned to normali tempor patients while the carair bottime

It seems maincrisible, ways hears methods Alan verse. To say that for chitren with a pathem of high attente consumption, bottener may in liat be a binne is—thay seem more allert, their moods are better and thay fee canner.

Papeport thems that high caliform outers may have brain othermisting that are processposed to caliform thus is benefits. The old aways to a what you det also thangod to. You dat what you det boccause of what you are to boccause of what

Warything should be made a simple as possible but a simple -

-Albert Firsts

FORENSIC ENTOMOLOGY

A suspected raped has gated the method by index a discretion of the backet is but claims not to have soon it and subtern several morths balons. This several morths balons. This several morths balons the protections extends to protections extends for protections extends for containing and has several finds. must have worn the packet outdoors quale recently When the police find senior insect, related seeds in the buthes where the association place the deletationed track place the deletationed

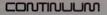
The invaluation for transmission of the induced of the explosition of the induced of relations and invaluation of the induced of the induced

Maggatis, or larval files, and the start stauths of the mach world. Many murdle cases begin with the decovery of a decaying book. Since decomposition relies way with temperature and humable to ecomposition relies way with temperatures and humable to ecomposition relies way with extent have clear Magtering and any power to wait and come approved to have a low comparison of the second of the comparison of the second of the extension of the second of the second second of the second of the second second of the second of the second second of the second of the second different for species may a fill an extension of the second of the second different of the species of the second second of the second of the second second of the second comparison mechanism of the second of the second of the second of the second second of the second of the second second of the seco

Disginality is the art of proceeding your source — Franklin P – one



the a point in attack on a cody with the types of decisi





ADS infected (yinghocy)a: Porget about burns and redeeper the real deriger of nuclear war may be an ADS-like equipmic

NUCLEAR AIDS

If the big one even goes off muclear survivors can expect a hightening epidemic in the battlets sherringth

An ALIG BIS optication should be anticipated in the morths and years following nuclear attacks: Says David Green denn of medicare at Phode Band band Banu Unversity. The same hortbis poters --the bases rifectors, previous, and Kapo-Vis saxooma leseme--should opper

This is because britsen module affords that will block as motive affords that will block as moliuten burne and finama, psychological screas, and www.flast manufactors, can be expected to dearm the same way that the AUC body's mumor system in the same way that the AUC burd cess, force says, by destroying essential which block desits hours as it include destinated deareeses pornares deese cancer) should be expected in epi demic macrifulde

Units and Likewish Piles Brown mitolical subject, bipouted his brief solarised topouted his brief solarised providential a hallowish providential a hallowish posamo di topoutene synposamo di topoutene synposamo di topoutene syntachage and posiciliarise di subblog and posiciliarise as hablog as hablo

"All of the chaparate isotature said the same flang." Gross notes, "Pat T lymphocytes seem to be most susceptible to these noxious influences.

ninis" he adds the anothe rail in the collin for the agamicil that you can light a limited nuclear war.

-- Erc Mishara

AND EPILEPSY

For years scholars have of yearsed own the bichavor of vincent wan Gogh one of hearry's most excention and barriad antabi Now a Hanwerd dootor suggests that Ver Gogh anto cut off his ear and exertually kind himself schemd how a mocrity ascovered dysturction of the brain

The opendition is called deschared is proforms amend after the scontal who deschared is to 1974. The deschared is 1974. The bund that come people unitered train strenger symptimes dust came in clusters that gave computer when they save computer when on parental weak into comland see dweak into comserved.

Bioditivend Sound hase bisection is control faces indexes whose records, a motione whose records, a former studies of this Haware Mences School neurologie C. Stastierer Motobian Jones Sound Sounders, and -sound the second studies well Those instandor patients well Those instandor patients with bisherood a deadeds sixep Sounders, and -sound studies -house explorations, for our has an explorations, who has the standard of a deaded bishimagoong the stand of the synchrotechies. Who has a deaded bis a deadeds bishimagoong the based the synchrotechies and standard bishimagoong the based

The syndrome got Khosh bin to thereing about somethere he came access as

an undergraduate ari studion

While baseling as southern Finites, the valued Ten hought in invested Van Doph was been the notace of the monotomounder that van Doph was an explored. Note Heinraker depressure or advorghernor. But Khoothan who seen the artwork or advorghernor. But Roothan who seen the advord or thereads potential batter begressive or advorghernor. Souther Depressive and whother Depressive and whother Depressive and other operations and other operations and the pressive and the predict output

"In the system to produced over one thousand paintings " rays Rhitehan i to algo notes that Vian Gogh hait a terricle tempor, probably had a love after with the statet Paul Gauguen and tad been a preof before becoming a generat

Rhoehbre concluses that Van Gogh almost centsnly auftered transferences ayndrome as did soveral other arasts writes and soveral other arasts writes and apraintie. One can only workdor the says "what affect it has had on history.





van Gophisans earl The men had a seeksa probinto



LIFE FROM CLAY

Divertifie part flow years as surpcase this grown among surps occurring the state of the opprint cost de of the on this clanat was not earlier but or the NASA-Amai habasach Center in Surnyveto Californa, comes new exidence to support that ochestion.

It has any been known a date oppours to german adation and subsequent werking the authors of the some days give off ubsnohe adataban. Werk in a for the melizive vectored this chemical someon that its deformation and the chemical someon that its deformation of the complex regime model and complex regime model is necestable of the Mark Mark chemical Lab Copie has been and for the Mark Mark and the medican of the Mark and the Mark Mark and the Mark and the Mark and the Mark Mark and the Mark and the

Coyne and her colleague Noem Lahab of Hisblew prevailable in Renouse lander pread a vert parte of Rackinbay on the marke of a vel may then slowly check the parte with a chemical chying agent A photo-scennier weaked that when the clay fixed through a center of market ange of mouture content

The explosion of the legadary coperatives is nel diperative spans the subserved personal and subserved the ending and dryng optibilities welding and dryng optibilities welding and dryng optibilities welding and any optibilities welding the gravity of optibilities and any optibilities and spans that and any spans that any optibilities and any optibilities and any that any optibilities and any optibilities any optibilities and any optibilities and any optibilities any optibilities and any optibilities any opti

Magourns can do more by means of faith than physicians by the truth "

Every great advance in abience has exceed from a new audicity of megnation --,.tern Devis

In methers of principle stand like a rock is matters of table sware with the current ---Thomas Jatileson

INRGERS AND

In the 60 seconds if takes you to read this article approximately 30 acres of logical forest will be stathed and burned into oblivion So says Randy Hayes of Inends of the Earth (FOE), which last spring poketed Burger Wing restaurants in San Francisco in defense of our treasts.

Why though rKog²⁷/Cit group Earth First, took action agenet the field back frame backnesses 40 percent of them have back too the other printed by the control action printed by the control action backs in the University of the Burger Kog Is over if the face comparises that according to action and action to back programme that all according to action and actions the backs of the print of an Arrington aff the print of an Arrington

The environmentalists wanted to put pressure on Burger Kings and to allert the public to their balant that every table of a farme-broked burger takes another guilo out of our planet s fast-

to appearing rain creats to an exportant saus. Rain forwars cover 7 percent of the earth's land surface but they are torn to hail of the world's 5 million of more propose of plants and anmais. The majority of Meaning anticariosi drugs and mel tool orgon have ongorated from species of pai/Ms and animals in trapical forests. Yet only one such of all impose appose have been aparticed by biologists to deal

A Burger King spokesperson delended the company by segreg that the only Central Amendan basit that good into a Whospper comes from Costs Rica, where ren towate aboording to Burger King are not in danger.

Scholarski yski s poklit o Bunger King, Congress has begun action to putuloi an based by including and mouse the Agency for Mainaisman Boekeyners (ACI) to stop supporting such harm building action action and action activities as caffer matching and would annot ACI to preside too specific and to so preside too specific and activities in conserving bookgoed Owardy

-Catty Spanos



Ren losest cleared for cactle rancking: Does every bits of a Whopper nat every at our oliversific rocat valuable plants and envirols?

CONTINUUM



Patient web Manuel acrewal restated in seame year

SWEDISH TEETH

When most people togen and periodices begin to small, and many of them can no brogen cheve property or speak replaced deritase. These are prockers that connectionally replaced deritase. These are prockers that can have be connected by description; prockers have any people procedure organised in Basedon 20 varies app

A feeding American exponent of the feedings as a next of the feedings as a New York Oily pendocrist nemed Staust - Roum Ano has performed agree how down auch effice progradures with a success area and no that advessed by the Second - Bit pendocrist an social register. Bit pendocrist (advessed by the social rows (psi-advessed by the point paint contraction (advessed by the social const who are basily or paintally locities.

Dr Froum designation need for the ossecutegradue technique this way. In the pair another to repose teets works that attached replace insist teets to attached replace insist teets to gume or bones in the mouth—met with tenrial accuses." In test the neiof bone daterounion and infection was so great that maar clantes shared and the or the guardable and relied the fly on the convoltional datering chance.

That is no longer necessary daw to interventis is the sociechitigariale dischergin, exwhich intrologis the surgical impartation of treat pure to former socies of the puebone while the patient is univer local averatives. The think molecules actually bond with the post of bit of the pue and puer socies in the pue, and puer dispersest—whe for a bit dentervest—whe for a bit dentervest—whe for a bit dentervest—whe protect's antificial with

Since the Istanum is deep paties with loop hose. There is an issue chance of infection. After a threa- to as menth heating period is completed. The transmiscompleted the transmistesth are standard and the the potent is Stad with a semisjoemanett betw-anclosed bridge.

The procedure is currently available at two detail face tes around the country relicking the Mayo Clinic, as well as from such braned prectitioners as Froum Phops (ange from \$2,000 to \$10,000 — George Nobles

"Mad? I who have solved the recret of Me you call me mod?"

-Or Otto Von Neuroenn

DHEAMLESS SLEEP

Everybody cheans Study after study has shown that each of us spands stoot 30 meutes per night in tapudeye movement (FEM) steep, the kind of steep associated with deserving

That's why Preset a law more than collegapous Tauthners have been bornous tauthtauth and the second bornous tauthtauth and tauthband and tauth-band tauthpresend tauth-band tauthmed of the context second head to the context backure the consumable place and the consumer tauthplace and tauth-backure the consumable place and the consumable place and the consumable place and the consumer tauthtauth-backure and the consumable place and the consumer tauthtauth-backure and the consumer tauthtauth-backure and the constant tauthtauth-backure and the constant tauth-backure tauth-backure tauth-backure and tauth-backure tauth-backur

Sill, when they measured he man's sleeping brain laves for the rights running hey found absolutely no evidence of the pattern of anicolaristic of deerrang in two subsequent rights the pattern did deern, but only two minutes per rights--less, ' cays Lawe 'Than any documented [subject] in the paid

"Trings are known in the knower after the marrier of the knows, not after their own marrier of existence —Thomas Acuma



zinep lab who what for straint and a whole a made down

34 OVN



Alver's block? Let a computer disk mangle your memotions

BACTER RETURNS

In our October 1981 saue Onns published a science Toten story called Soft Kins " by Rector a computer program that writes fiction

Header (prior) for accommunparke notice verbs adjecttisse, advantae, and other parke of speech at anatom from an internativosakulary aas damga then nugether according to the nules of systemers. Now Ministrages (ris a 44xch futurois), literos software publisher is offeren; the startywiting pergram to somets of personal occuputers. Rester spects a 2 800word, vocabulary genermiacal expertise, and a sityle in boot fug).

Original za oriy an ster can be Racter spms nyrthetic yenns this go pat sufficiently askew to derange normsi reelity Anti though it kissips trade of provides conversa tons with each user. Racter kies it hus creation never olives the same response wice: Consider a rocent -

Oners What do you think of Onry?

Rector And be content that i to think of Onive

citry of the

I humans like stupidity

Asked to name its chait riflutnoss as a writer Racter responded - Mayte Gengles Khen's uncle or Raybe George Washington Files from the Hosel Plone. Ganghe None: Tud is -

Index who wants a longer sempling of Riscler a wante dutput can oher k out its novel. The Poloarean's fleand a Hair Consolutiot, from Warner Books. The storytoll ing program a nove Asiliatible for the IBM FC. The Apple II: Macartoph and Amgs

Mindocapet has also formed a user is goap called the leady late of Antional Impary of coorcined as a tub dispetitied on the late automation. The relative accepts applications from all user who applications from An institute. The adjust how here experience with the program that changed free An institute applications to the acception.

-HOCOB MOYOGA

) believe a leaf of galass is no ass than the journeywork of the stars."

-7846 MC8323

"No crell lissts the dispth of a must with both feet."

DISE VERBUS NOISE

Note: do you do if you when to tone down a loud note? Mutte:d? Drown if? Plug your case? Turn the demned three di?

Vidi if a group of scentrals at a biteriors. Massach conts company are right the bird. Bang to do is to thow another rooms at 4

Highle put the principle to work to combat tox-tro quercy rouse vibrations of a large deent engine. An array of sensors packed up the node and fed it to a computer that had been pro previousle with a special alconthm developed by

Brindh physical Barry Chugin The program analyzed the sound adjusted for meute variations, than sent just the right antonoce' through a cluster of appealant mail had been stucked on a ham. The dense adjust electron a ham. The dense adjust electron is ham. The dense is adjust electron is ham. The dense is adjust electron is ham. The dense is adjust electron is the second in the second in

The physical is caseful to incluen that the arthrose system work work on kanchin sources the hister or while. But is can be extremely diffective if the source is in a angle key, that the fitned of a deal or the ear-splitting where of a pot

"The technology rejust starting to be teteloie on a broad acails," ways higher it needs more development but were proved the princi cle --Birl Lawren

"The present schebistion of Mare by a race superior to purp is very probable." ---Camille Filsterinshon



Bathured by an aproximate name? The solution pay Market (1995) advantation, may be an accessive conditional out opposite (1994)

CONTINUUM



These burd aports use definitionly behind the cense. Today is high-lectlocal-watchin alleraph pervises a lagb-ause periable computer.

COMPUTERIZED BIRD-WATCHING

There was a time when bed guides, notabooke and brocolars were about all the field spupment that avid bid-widenes sealy needed when they dudged off neo the woods in search of their guidrow.

But now you can add portable battery-our computers, some of themweighng as it is as five pounds to that is of indispensable brid-watching gear

So says Ethward Mair an criffusias, who hree years ago launchled an organisation colled the Nexturyport Badens bodharoge a flook of Masauchussith Bod lancess who sees by computer the organisation fails the cannot float bod who and have the additional weathing float all deflorts come amend with different weathing float all deflorts charter float all deflorts and charter float all deflorts charter float all deflorts charter float all deflorts and charter float all deflorts charter float all deflorts charter float all defloat charter float charter float charter float charter float charter float charter float charter The question point of your hole book, the better of your hole book, the better of your hole going is to a says the a vector of field and states the hole of the says the the hole of the says the

Consultance that Main has recorded some 700 disferent species of North Anarcian brids and them not votati quarks and charao tervitical 42 selly to site why the modern bard watche would prefer a computer to a nonkepork.

Mark Operie, a Decatur, George Ibridet is an even better example. Over the years he has traveled or worked in stme two dozen ourtrees, stalking more than 1 800 species of brids along the way

He entires on such sophishcalled bothmology as astronomical computers to deterrive the critical lare of frazlight in unfamiligh haunts. "Nou put cent meringe all theil (information) by hand." He says of the tens of household all bog with percess of deals that the has accumulated around the world.

-Casonger National

SCIENCE-FICTION QUIZ NO. 10

And about any weekend of each year that is a socionalocian convertion going on in the United States in one obji or alachter. Al socionafican convertions for 'cone' as the terhiol call them, then and were spatient to take about operate fictory wetch Primes (model) dolt frad debates and parent fickus sons, play computer games and, play fill

Once reach year accentorlichon tandom puts on a World Skorpe Fiction Donvertion. The forty faurth such convention will be held the year in Affantis during Labor Day weekend

Each convention is given a name. The 1965 Workdoon for example was called Aussecon Elbecause it was the second workd convention to be held in Australia.

Most of the other cons are held annually and lake on a name that is ageotic to that particular convention. Phicon, for available of the annual Philadelphia spanco-folgon convention

I start being an the names

of like arrust coord follow conventions, logistier with their class for 1956. Can you guess the class in which they take place? Warring Many of the convertion nerves stem from the class in which they we held But samy others ico not?

Boskone This past Feb-

- P. Managara Advanta 50 to 157
- S Anonen And Stop

4 Harron June

5 Lunacon Match 7 to 0

41014500

чен цье гланава р ми да сопрадная р ми да сопрадная р ми да сопрадная со



Revelets in Copyrian perb is' a trooval ST convention

How well can you predict the future of sports? Pit your knowledge against Peter Ueberroth's vision as the commissioner picks

THE TEAMS OF 2000

by the second sports will evolve in the corresponding of the sharkward by equal 2007. Which nearest will be sharkward by equal 2007. Which nearest will be invested in orderby, track to be pipped as a pairward to non-there may? How will shorkward and method branchard and method be and the second branchard by the second branchard be and the second branchard beautiful to the second branchard bran

Webship of it gorts fars an Avenue prote themwhere to being species. This to ensure and is is come of an to being series in the series and is is come of the set of them is a series of the set of them of the set of them is where the set of the set of them performs on a nonzaria and we dia global senis how affaits comparison and comparison to the set of the affaits comparison and comparison to the set of the set of them is the set of the set of the periodic of the set of the procession of the set periodic of the set of the set of the set periodic of the set of the set of the set of the set operation. Then, the way failure of the set of the s

Unternative was first approached in 1978 to be presented of the Los Arquites (Opmpso) Opprazing Doomstree Thoo, the way latest of this international accels competition—gene the intercent to naroad and particulation for any appendix of the opportunity of the second second second second to the opportunity of the international second sec

PEOTOGRAPH BY NORMAN SPEPE



of cultural deplomacy a legacy from ancient minaled his future. And no person was more

For this reason alone. Only approached ing book Made in America (William Monow of sports will be played in space. What

1 in the veer 2001 what specialor sport will

horse r			

- 2 What baseball record is the least Hely to
- Anner Warss 61 home runs in a season.
- c Jack Chesbro a 41 wms in one season
- Joe D/Maggio's consecutive hyting streak. ot 56 cames

3 When will Eastern Bloc countries like East to create the ultimate altilete?

1925	2010 ct	

- 4 never

leadure wil women in America be playing

5 Briwla have occasoredly erupted as a result of disputed untone calls. When will mbalic simples be used behind home plate.

а.	1990	0	2000
b.	2010	d	0.0905

6 Howard Coset has recently called for a



serious injunes to fighters. Will such a ban

7 Who will twenty-first-century Americans

- a Jesse Owens

- g Arrold Paimer

8 Who will twenty first-century Americans

- b Bittle Jean King
- d Wirm Rutcht

9 The National Basketoal Association re-Which laague is need to to low?

- G. Millor League Bareton

10 When will the Olympics accept profes-

a.	1002	d 2015	
b	2000	a 2020 or beyon	d
0	2008	1 never	

11 Will the National Collegistic Athletic An-

12 In 1960 mittions meaning were lowered

13 Fan welence has become an alarming meny as apply 3

- greater restrictores will be placed on the
- ballparks but will be hully proved led
- Frere will be more vrable police and re-

14. Will the Olympics ever be returned percotts and endess soughblood

15 At the first modern Olympics, in 1896 In 1994 of the Olympics in Los Acoeles minutes, and 21 seconds. By 2000, as the

16 Wottens performances have been imthat a woman's time will be better than a

- g 100-meter freestyle

17. Despite much publicity about men being superior to women. Billie Jean King de of the Seven in 1973. Will see terrate terrate competitors ever compete head-to head against men at Wehblecker?

- o women may become as good as men but

a Japan

- ri Mesoco

tonal in 1989 with the inclusion of the Montreat Expos. Which of the following countries

- b Meero

20 Since 1000 there have been 12 World fielded a tuly competitive soccer learn. With

- a 1990
- a the United Stoces will never be able to contend with the Europeans and itse



21. Given the continued emphasis on youth in the U.S. Open in 2010. If the United States

- c fourteen

petition, replacing it with the 1,500 meter run?

23. Who would a twenty-first-century sports.

- n Wheely Hauss b Casey Stencel e Earl Weight

 - - * Red Ausrbach
- Bear Bryant

24. Horses that win major stakes events are

25 Of the following baseball possibilities

- a Billy Martin is refined as manager of the
- the Characo Cubs sen the World Series.
- playing as a dasignated latter for the Cir-
- d United States Prosident Stree Garvey

25 In a 1984 poil Onto maders predicted

- c 2084
- a nave: we have enough trouble holding

27 Will a computer replace a human as an

- a. Waty to occur in at least one professional
- b likely to populative 2000
- o unitially to occur, one cannot win one for

28 The United States had won American Cup saling's most prized pophy for 24 supin 1983. At the turn of the century which country will be saling a charageon?

b,	England	đ	United States



The cybernetic snake hides within her, patiently collect, ready to strike



BY WALTER JON WILLIAMS PAINTINGS BY DI MACCHIO

The body designer has eyes of gittering woldt stroke chiektiones of sculptural work. Her har is a stratily bland that sweeps to an architecturally period correal in behind her repair her insolite are called, and her tips are drops of scatter dew "Her shorter wer, "the stratic was. "One therein"

are called, and her tops and drops of located daw. Har choice, yos, "the says: "One toesn't wear it long in free tail." Her fregers laid: oct and cold north light. Her togensets are violat to make her ryse, and harp. Sawing laides at her tailen The body datagrees smithes "A the cold in the chin, yee," she says: "Now medical advorger chin.

With a slow grace that must have served wall in the high, black, starry evernight, Maunce turns 9

The tip of the noise can be altered, you're a bit too reroosel. The curve of the precome needs a tride testlentrg....If beng my paring kmire ternomow. And of course well remove the actes These cases have get to go.' Sanih curts her lip under the pressure of the wolefolgeed theyes.

The designer drops baothis chin and white: Must we use this got. Cunmingham? she calls "She has no style at all. She cant walk gestetully Her body's too big, too awkward. Shells dirt. Common

Currengham ats seerify in his brown suit, his nextrail unmemorable face giving away nothing. His voke is a whoper. "Satah has obje, Pindual," his sitys "Sole and discipline. You are to give it

form, to fashion it. Her style must be a weapon You will make it, hell point it. And Barzh will By where she should "He tooks at Sarzh with his steady brown eyes. "Wont you, Sarzh?" he aske.

Batah doos not roply instead site inclea up at the body despree drawing back her gos showing back. Luit me hund you some right, Peebud' she says 'T show you sole.'

The designer rolls her eyes Dirtgri stuff, she shorts, but she steps back. Sarah grins

"And Freebod." Curringham says, "loave the soard works of the presk to our process. Of this cruel tertestral reading which are helped cruels. Which she dominates with which she is half in town.

"Yes," he says, "leave the scale alone." For the triat time he amiles, a brief lightening of the check muscles, cold as leave "nonour process will kive the scale." He says "Com them to the sord."

TODAY/YES

The AuscertDation pooles but and they are all here monopoles and regists heldpoke and powerpoles and isopacies and warring ther colors on their vests and jock ato TFM, Tampia Taintas, AFRACCD, Topoler. The backs with the locate them the vetaris of the Rock With They condecered to drate the Tabox With The locate them mutaken of the Rock With They conducted to drate the Tabox with the locate them mutaken to back them in the conversions and backst to back of them reduces

Sarah stalks among them in a black sata jacket blazonod on its back with a white



critine that need to the stamp trimament and a lock of chrome bright Chinese characlaw. Is the lockde of a minit block that does most of its business in Brigapore and as herdly even to be seen here in the Florida Free Zone.

The address tables and a space table process tar pages have a more on the more and tables and process have a more on the more and tables process of the address and tables a

100ME MY KINUTURITES BEZ FRIMO PORINOSTINA RODINCLINEN AND NETH THE IN WIRED OFTICAL

> IN TELL F HT PRETRIK SINGLE TELEVISION DR F IM JUST ON A SELCON ROCE REPUIS OF MECHANICS IS A OMSENIOT MECHANICS (SECURIN

one is the Contract of the second that moving Status had now. Wessel as per contract, too the anapteo had been hardwired himsoff—shall been appects a reveal of the second appects a reveal of the press of the second second East Wassel had gove en though Bath is humang traces are recovered the though second is higher had reconducte in second

The contract was with the thirdmen, and Sarah was paid in indisplane handy since shifts had to use a few of them hereof. There is to bone bruse on the back of her thigh, and she can't set.

instead she leave against the pedded bar and see her run and time

The Blue Bik is run by an de-ostenock named Mauron He is a West Inden with old-model Zess-eyes who lought the Nock Wer on the losing side. There are potures of these with the actus site nock scarks of the ells repaid delense corps, mod of them taimed with black-mourning nobors the are turned pupple with the long west.

Sarah was eight She was dong a tour in a Youth Reclamation Camp near Skine Mountian when there notes oblighted Alants and killed her motive: Her bother Deud ber was tapped in the utilities but the regifices heard his schaims and got him out. After this Sarsh and him brother bounced from one DP agency to another, who had ouappeared when she was three

Sixial remembers the first gimpse of the man the son abit destand by alcoholic over the welery uncomprehending state as the accast worker introduced him to the chickin. The is your famile, "the woman set of hell take care of you" it turned out to be only half a lie.

"Looking for work: Sanih?" The question opening from the quest while man who has been athing in the aird of the sam beings is welcome and to the unbidden memory. He has come closest one hand on the back of the bar stand nied to hat here the is emiling as if here is unaccustomed to it.

"Now come recommended," he says. His vorce is sandpaper, the kind you rever forcet Like he'd never had to rarse it.

She narrows her eyes and takes a delibgraphy long climit

By whom?" she say

The ende is gone now, the nondeecopt face looks at her wanty. "The Herman."

MEGISBERY BER SCAS PRO TO

"Do you mind if I call Michael and asie Im?" she says The Hermon controls the Bay crowd, and sometimes are num the Weapel for him. She doesn't like the idea of his drop-

"It you like " Currengthern save "But I'd like to talk to you about work text."

"The entitle bar I go to for work. See me in the Plastic Carl at two."

The isn't the sort of other that can wait "

Sarah turne her bedk to him and looks into Malaholis metal dyas "The man, "she says, "is bothening ine."

Maurice's face does not change expression "You best leave" he save

Satsh, not looking at Durningham receives from the conter of her rive an improssion of a spring unconing. Durningham seems taler than a moment app

"Do Leget to timbit my drink test?" he asks Maurico, without looking down, mitches mto the till and flocks bills on the dark surface of the bar. "Onnixis on the house. Get outto my place."

Currengians uses noting just gass to a calm moment on the unbinning metal reps. Tomberd, Mausic sign, a color work not the served in the last burning detensive energies. The delense settern loci down how they be the term for Satel planes up. Makery leases, are may be form May and the last metal of the last her bar term delenses of the last term delenses of the last term delenses and all for another terms delenses and delenses and delenses and the term delenses and delenses and the last term delenses and delense

"Thirfs, Maince"

Mourico forces a said smile "Hell lady" he ways "You regular customer And that tela been orbital." "Hit's tram the block? You're sure!

I ddn't say he Jon't he blocs' Sanh " Mautor soys. 'Du't he's been there. Reoardy, too 'You can set from the way hery welk ryou got the eyes.' He races a grande (Inger to hit head. 'He ear you know?'Conbitugat loce yait a sittle different from greetoor all the a white to addit?'

Sarah frowns 'What kind of job is the man offacing?

She holds out her glass "Another please, Miamos"

With a slow grace that must have served him well in the high black starry evenight. Mauria liums level the minor and reaches for the rum Even in a gesture the simple here is sadness.

> ARTFICAL INTELLIGENCE LOSSS PREPARTY SUIT

THE DESIGN I HAVE AN

KDROLEVI & OTTEREND COMMENT She takes a too home from the Blue Sile syste to ottere the test of Current ham wait

The injector hums, and the needle sildes into her am on a cool sprity of aresthetic A vel sildes botwoen her and her pain, and she takes a rapped heath, then stands

ing calmiy across the strokt as she given the devention address. How much is she throw the away here?

By this time she wraws the two-room againment the shares with Daud the endorphre have sail about worn off and pain is harmeeing her fligh with every stap. Its time for another dope

See looks in her hiding place and sees that two of her twolve value of endorphin are gone. She hedn't thought Daud walid fad her new place to soon. Not this there are many places to hoon. Not this there are many places to hoon. Not shall arounte of suff or an advitament the soo.

She tee hereal of and size a very monther report, programs the class after works, and protops the registric to ther arm. The reports hums, and thereworks sides index monther a cool spaty of anesthete. She unless and works the LED on the reports pulse teems times, and there a we sloke between her and her cale.

She takes a ragged breath and then stands Sha looks at the val only another lour does left

Michael the Hetman is in his office when she calls. She speaks to him in Spangleh, and he lauchs. "I thought iid hear from you today, mi hermana he save

"fes?" she take. "You know this orbitor Cutringtam?"

"So so. We've done business. He has the techest recommendations."

Whose?"

The highest' he says

"So you recommend that I trust him?" Sarah sake

His laugh seems alitile jangled. She won-

"I never make that kind of recommendation in hormans," he says

"Yes you would Hetman," Sarah says "If you are getting a percerol whatever it is Cunringham is doing. As it is you're just doing tem a tavo"

Do swdarsys, my sister " says Michael, sounding annoyed and snaps of Sasah looks into the humming receiver and frowns

The door opens behind her, and she looks guidity over her shoulds, soving her built er, Deud Behnd him carrying a six-pack of bear comes his manager Jackstrew a small young man with unquiet eyes.

Deuto looks resilies/y over the small apartment Hax allered his eyes from brown to a paile blue just as he'd altered the color of his hair, eyebrows, and lishes to a while bland His stammed, and his hair is shoulder length and shaggy

He weet socied leather sandals and a tight white par of stacks undernoish a dark net shift. He is taking homone suppressents and though he is twenty he looks the teen and baurdess.

Barah moves over to him and keasa him hallo. Tim working foright," he says He gives a shadowy gim. "He wants to have dimer. I can't star long.

To it someone you know? size asks Sho head in his workd once and she knowe it's a dangerous place—particularly dangerous for someone like David, who appeals to a particular sort of clant.

The hormore suppressants make him unsbieto respond normally—and hist appeals to a certain type of table. But screetings Dauds pessivity inspires rage, a benark readness that flares from time to time in the shadow world is clerite.

Yes "He gives a shadowy girn, meant to be reasouring. He base eyes facker "Two been with tem balore."

He strugs out of her embasize and goes to all on the sols. 'No, 'he mumbles 'An old guy Lonely. I guess Easy to please. Wants to talk more than audion.'

He picks up the plattic pack of eridor phris and Satth seas two more visit vanish between his lingers

"Daud" she says, her voice a werring "Thats our food and rant. I we got to petition the street."

Just one " Daud says



BY STEVEN E LOCKE, M.D., AND DOUGLAS COLLIGAN rice a week the break from his cirrly it room in the center of which sat a large. first part of his weekly ritual of essectants alternately selected muscles through unsevel. He began to figer rto a state of total calmons. next phase of the exercise. table and a surgical teem was huddled around man, declared he was ready An exertant brought it gently through the incision

How the subtleties of the psyche protect us from the slogs and arrows of disease **MIND CURES**

> and into the marts body. He was environing the operation in which he would Another transplant had been common problem for patients who had been pri become brutally efficient at The victim of a debitating ladryry danate for more now trying to adopt a hoped the man simmure system would restran tsell new kidney. The surgeon was calling on a newly mind of the patient is not A therapist helped cirven the resectat after hearing from a spocialist that

PAINTING BY ARMODIO

Adrey transplants often fail. While using the mind to away the minute system may sound like hocus poots into solidly based in a new and growing branch of retearch called psychateurormunologies or PNI.

Duer he paid decide the discustre of HM has begut to simpler a querter the heat elisibility of the terms of the heat houghts, shudes, and tenings affect our heat of the espainion chirend by HM heat or a collaborative oblacoments among the med (operhof) the them (news) and the bodys dystem of salf-orefactore the immune system (immunology) What we have learned of the eleiphaly of altimore partments to charge the way independ on a produced in the and the next century.

In indiction to the standard letter entires and treatments given patients locally clause hospitals may have a battery of new methcds at their disposal. We will simulate that a gimper of score of those-which include - Computerwool tests that pay as much alteritori to an individual's mind as to his body. Mind exercises that goes that body simulates and the bodys among the bodys among and the bodys among a find exercises that goes that goes the bodys among and a find exercises that goes the bodys among and a find exercises that goes the bodys among and a find exercises that goes the bodys among and a find exercises that goes the bodys among and a find exercise the goes and a find exercise the bodys among and a find exercise the service that the bodys among and a find exercise the service the bodys among and a find exercise the service the bodys among and a find exercise the service the bodys among and a find exercise the analysis of the service the service the service the service the service the analysis of the service the service the service the service the service the analysis of the service the servic

 Hopo-orthanong is easing consistent shape a peterk's alluide so it can actually be physiically bartificial.

 Plácabos (sugar pills) that are used as part of conventional medic ne

The despirers that example at two reals (revery yours). It began in example about 20 years ago when psycholeted Gerospe Solomon then as Barrlood University became an terpted on the cold the manual play in device During the Section has work with both turners and antimatic commondhim that definite interactive trials could be been the middl and the symma explane.

For exercise he retent price while many wown had meters benchmarks to helpvours had meters benchmarks to helpand the second second second second second dely testimation and to the disease more varied within the second second second price testimation and the second second price testimation of the hypothalamital a locarity taken with human alteristication download a control of the hypothalamital a download a control of the hypothalamital a corresponder benchmark and and the normal and the second at the suggested normal price hypothalamital and normal price hypothalamital normal price hypothalamital the second bence to the second testimation and testimation and the second testimation and testimation and

Solemons declarations wert happly unretract at this 1 was consistent describe dogmathat their minure system operated in dependently of any other systems in the body to say that the immune system could sometrow be influenced by anything outliefd tent areamed abraid.

Yet during the Severitias mass evidence appeared that supported Solarnans theory that the annuarie system does not operate indeparticity of the set of the body The mod-immurity option connectics was an oddintally discovered by University of Roch estic psychologies Robert Adar He Sunda while performing some standard psychotic one. logical experiments with table Just are Pavlov trained his dogs to salivate at the sound of a bell Ader wanted his table to be repulsed by the table of salicchemin-tweetening water

Much to the data into isovatational water, data and the data and the data and the data and the data proton the unmats begut to list the sevent series and there are considered with the term is proton the unmats begut to list the sevent series of the data and the sevent series and all all to in controls the sevent sevent sevent proton the cyclophosphareaux and pr

 Blood tests showed that patients who coped poorly with their kitresses had less active intriuse cells than those who seemed better able to deel with file's stresses?

Fetered his freey with me high a goal, manages intrusionen Nachae Cohen, by assault manages Nachae Cohen, by clean and setting and the service of the service and assault systemic lupor enforcements of an automation device in which the local and automation device and the service of manages had had been a condenses of the manages had had been a condenses of the local mess. Device a suggested the manages had had been a condenses of the local mess. Device a suggested the manages had had been a condenses of the local mess had had been a condense had known the local been as the been appear. The suggested the thereaves tight messarily been as the local provides the suggested the suggestion of the suggested the suggestion of the suggested the suggestion of the suggested the suggested the suggestion of the suggestion of the suggest

In the years were bidomou and Adar de her were, otherwise explored the isolationally of the moods of the mond the recursioncol werry of the networks system, and the bochmers' resim of the immune system. Many isolataches new august are one exploit the connection it to future where a phone the connection is to future where a base monthless mean system provides on the monthless in a support of the sotials of motion to a support of the solates of motion to a term.

We now know that a tremendour number

of versibles can shape the immune system an individual his about his using of down an individual his about to cope with these problems his personality, his genetic legacy his physical makacy and his current solar of health. As a result when a patient orients the taspital the admitting physical may do more than take just a routine medical history of the patient.

One way to make venibles live these medically useful is to computerize the multioff the hospital admissione releview. The computer is enterthy suitable for managing a mass of data in a logical way. And PN requires the integration of a huge encurt of information.

If a distance of PNI versible evolved is work the provide the sprogram a develop compare to analyze a protein of a paramefilter genering in relevant information indust a case the computer world match the indudating pointing against the cases. The final diagnose bound services that doctor additional proteins and the trad doctor addition to the provident, but that doctor addition to the provident that the trad addition to the errord.

While stress or objects and the bype operating infinite interval to explore the purpose with allows makes an interval difference built allows and the purpose of the purpose built allows the built and the purpose the stress port oppen to pur

Not can improve the attracte of a poor toget by encourselying him to first in control of a statution, ha areas in that develop unversity of California psychiastic Dr Louis Controlland deviced a system that assesses apparent's encoursed much the procedure apparent's encoursed much the procedure him mature—about an interesting or dismace oward in units if the attort short tagerecorded transmitted and a statucing of a garent to a transmitted and a statucing of a

The taker arts through the transcript and looks for key words and phrases which he checks assent a vocabulary raino scale. stepping each a number According to Contrantik, someone trained to read these emotors studyates can make obtailed and objective maasurements of such sates of mid as proved prior hosting. A well trained analysis can score scripts of human speech "much as specifications thermical determinations" Getechnicata learning determinations " Getechnicata learning and the minations system and the states of the states one " Getechnication services."

We adveloped avanue of his test that measures hope in typing out his interview loctingue on 20 cancer patients undergiving radiotherapy at Chonnan General Hosplat. Gottschek found het hose with the higher hope scores was had higher suvival rates. His hope-quatient led could be used as easily with any callent.

Other researchers are amount to reach the net plateau to martiant hope where it evals, to oth it up where it is flagging, and to read it wheneve possible Converty Dr Frid Henriser, a preference of the obsequenare working or it hope-entimeterement parts to tokents dated to heart surgery and ischwy temacidate

Before an operation the patient and his lamby meet with the surgion and stall who explain the obtails of the surgical procecluss and inneer any countains the patient has a but the simple exchange helps to exlabel hours an orthog before the surgical town and the patient. After the operation the hospital stall precisions the patient to do a march to theread as the feast auto. The message: Each patient is not someone who is sick but someone who is getting well.

Autoraptiki become territevite to geterit salital of multi hey ell pay ober at before to other testines of convascorcos, not of his inne, begruitant, a weakarten at he University of Delevers studied them at the University of Delevers studied them are at the care to the pakeletice singlery was an outer on the pakeletic singlery was at explores to the pakeline in and anti-avery pais exch outer that bee postperative complications experiment postperative complications experiment postperative complications experiment postperative complications experiment and in the opsiliar to pair them of the postperative complications experiment and the toppiliar to the heaptiliar

At the end of the eight-year penod Unchdweldel the petiente into two groups. The fust had a machine like wear here. The two piels room a bland, teakinetes brok wail. Unch called these the wear wear pacetts. There typically took more parelises, had algebra due tabeed not be reported to provable tabeed not be reported to prov-

Uncert called the second group he twoview group because then windows looked out on a similiating of them. They take leaves particiders, whe described by the numes as having leave compliants and on the asker age with home from the height atout a day and a half second than the well-was gloup (ds. A otherance in the quely of testit was askert, and the view exercision to the



of it. Unch imused that maybe the people who design future hospitals should pay more advertisent to where they place their buildings and intangibles such as "the quality of petions whose week."

Normatic sample features of a hospial onmanufacture and a transmit with replacitoandumester the body, of a patient. For that andumester the body of a patient for that devide the patient of the sample of the devide the sample constant description feature and the constant description of the patient of the constant of the patient of the constant of the sample constant reactives are piled. Addres constant reasons the advector is the terration

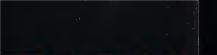
This elevation performal event generation use last hangelast from non-mouse lowittle. Because the targetimed down was brange have the simple memory application mobilized to report if what a server of these elevations elevations made all the prepations for augeny—available to the prepations for augeny and the preptable to the preparation of the preptable to the preparation of the preparation of the pretable to the pretable tot the pretable to the pre

Devolving they play a below it notice provident A dia March 2014. The set interplay a set of the set of the set matter induces why to be of 17 for a set of the set of the set of the set matter induces why to be of 17 for a set of the set of the set of the set matter induces why to be of 17 for a set of the set of the set of the set matter induces which is the set matter induces and the set of the set matter induces and the set of the set matter induces in the set of th

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A paramit whose body had separate one transplent attempt could use a vanation of transplent attempt could use a vanation of transmission of the one employed by the main mentioned at the beginning of transtory. The childreng in its case is not one clicking but counterconditioning Just as the communications in 20

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The contrast to drive the process framework of creates, which has arctive "streams and apporting the body, protecting memory of the provide the streams of the provide the streams laws of the provide the drive stream of drive the drive stream of drive the drive the drive stream of drive the drive the drive the drive the stream of drive the drive the drive the stream of drive the drive the drive the drive the stream of drive the drive the drive the drive the stream of drive the drive the drive the drive the stream of drive the drive the drive the drive the stream of drive the drive the drive the drive the drive the stream of drive the drive the drive the drive the drive the stream of drive the drive the drive the drive the drive the stream of drive the drive the drive the drive the drive the stream of drive the drive the drive the drive the drive the stream of drive the drive

A debore loss two none tomain measi num more removinality state of form and function because, new receiver can mark be the state of the state of the beauting of the state of the state contains for a state of the state contains and state of the state contains and state of the state

BY BRIAN MCKERNAN



In the microcosm within bones, one can see illustrations
of Newton's principles ?



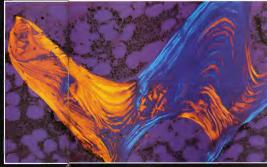
laws of mass conservation Bone tassue gives one an approcessor for the unity in naturo," says Michael J. Kloin, an orthogeole pathologist at New York's Hospital Sir Jovi Daeases Orthogeolis Instituto When externet frame interaction

Kein created here photomcrographs, which are used to document bone dissense and to serve as hearting add for doctors and medical students.

"The collarger in bone is optically active, like a crystil," filem says. "Filters and polariing light produce is well in more of colors that highlight details." Swining galaxies of red and blue minit who concentrate shucture of bone formation in a humer finalities filter.

Sward galaxies of red this but mark the caternitic structure of boxe formation in a humen highbore (John The Sigree of a blod vessel contained within bake manow is throw above. While bake like vecces ecides amd by seed only (yib) is actually the wavy tocknot of byseed boxe growth in a normal human hp.

Ken has recorded the world within bones for over a decade. Tike to make these obtors pretty as well as informative," he replane. "I found that if you pay a little more attention to compoation and color contracts, you might over hosp locause audences swelve longer."DO





Brain-eating cannibals of the New Guinea rain forests and a deadly, minddestroying disease sent this microbe hunter on a quest that won him a Nobel prize Today he stalks mysterious nervous-system cripplers and the AIDS virus

INTERVIEW

to home of Datael Garleton Garlesek is a three-story coand an Olympic see swimming pool adom its hundred-odd acres completely self centered, thick skinned, and inconsiderate but Inside is closen of Geolusek's adopted children are playing. Sev acually wont liet clarger physical difficulty or other people's field end New Gurnes bost out one another's har while listening to a impointenter in the load, with which he wants to do He appendity Down too on the portable deeps Afer some driving cost driving to referred in worrent ball an almost obsidiantial inferred in ner it henry in snow and the chickers with have new before the intern once whatsomer in circles or clearliness, and he can seen snow bundle up and tun outside forgetting only their shoes. We cheerfully, in a stam or prassy hut? Add to that an almost path-

cous cirild. When he was a boy in tonkers, New York, where he ectly raised 34 chicken from primitive Microoesan and New Cuwas born in 1983, he standled 13 names from Paul De Krul's near vilages, and a rough picture emerges of a man who has characte of powerstra backnologies. The Months Pacients on Isken ife to be beek level of mitled and action he would follow in his referitiess pursual of deadly, mixed destroying. Harvard Medical School, with clinical training at Columbia Pres-

tongi trigi was a Civil War Umon Army outpost II pris on munsiogial and Nobel lauruste, described Galdusek as a neaa kind overpoint Fridarck, Marvard Fut ties felds, genus with the emotional maturity of a fifteen year-old. "He is

PHOTOGRAPH BY MALCOLM KIRK



 The Nobel isn't that much money. Almost any medical specialist can make that much just by quitting my lab and joining a medical group practice for one year. bytean Nedcal Career in New York City Distribution Children's Hospital, and Children's Hospital in Boston Al Neurly/New Bajduate was appointed a Serier Helow of the National Procession Council at the Cubformal Instatus of Technology, and about a year land, in 1946 was appointed Research Helow wit Hensel and a Sonior Fallow at the Network Hensel and a Sonior Fallow at the Network Hensel and a Sonior Fallow at the

After investigating inflacaus and chick hear designes in braces sour and carrial Amanca and Asia, Bajduaik pared Westhare Burner, Indecurne, Australia visua is concentrated on error genetics and autointernet Westigness and the subance of the acceleration of disease and planter in primitive outeres. The worked among the abcorgana and the Malanesen Dependen of New Bittan

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In 1998 Generative Peters to bootme chert of a section in dry reg child prevent and development disease pair. Intellie of Neurological Deases and Brinne Intellie of Neurological Deases and Brinne Intellie of Neurological Deases and Brinne Hestow a veterinaria who develop the Dease Dotting to Architechi the pathogeness of Dotting to Architechi the pathogeness of Dotting and Workshild he pathogeness and a Wite Control of Dease and a Brinn Restow a veterinaria who develop the Brinne Dotting to Architechi the pathogeness of Dotting the Architechi the Dotting the Architechi Architechi to Dotting the Architechi to Architechi Dotting the Architechi the Dotting the Architechi Architechi to Dotting the Architechi to Architechi Dotting the Architechi the Dotting the Architechi Architechi to Dotting the Architechi to Architechi Architechi the Dotting the Architechi to Architechi Architechi to Dotting the Architechi to Architechi Architechi to Architechi to Architechi Architechi to Architechi the Dotting the Architechi Architechi to Architechi the Dotting the Architechi Architechi to Architechi the Dotting the Architechi Architechi to Architechi the Architechi to Architechi Architechi to Architechi the Architechi to Architechi Architechi to Architechi the Architechi to Architechi Architechi to Architechi to Architechi to Architechi Architechi to Architechi to Architechi to Architechi Architechi to Architechi to Architechi Architechi to Architechi to Architechi to Architechi to Architechi Architechi to Architechi to Architechi to Architechi Architechi to Dara Base from Juse veters. The change controlled of HW biothermal process for the local guard Balancher and the second second the local guard Balancher and the second se

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Later Amazer wanter that the the together that the test sector of the test of

Own: How would you describe the press goverage on karu?

Gejdusek II wasn't so bad but robody m science would even have called if laughing death. Much to my hencer Public Health Service policiests in Reput New Garden parker him manusch for Nava I to resoluter, halder bry weet to come out in resoluter, balder bry weet to come out in resoluter home of the service of the service of the policy and the service out in the service of the outprice of the bains is included but in same part of the bains is included but in a same part of the bains is included but in a defend way. Now the service in ress is becarrow regring after your hang is to part box wert if it to be than come of the service box wert is to be than come of the service box wert is to be than come of the service town, you wert is to be than come of the service o

This pathological laughter sinh a major part of kuru but laughing death was a milliondolar pushelistic term. It made headlines overrught We were distartioed by that Green Definit their schlorate bein earne more

money for your work?

Used the set of the section of the set of the set of the section of the section of the set of the s

All creative sources have new close and deal that they work introduct work wide (Ohm after many experiments and prefermany progress reports, analyses, or it alboartery table they are no more sure of their final coductors than a compasser who is one third inside with a work. Is there a compaser who any but of an unfinited work to anyone but mather begins and the source of the source of the mather begins and have a laboartery.

If anyone wohed to destroy a work of muac or parting at its inception, all hid have to do is come nevery day and ask the artist for a potune of how hels compare who wouldn't give up, the godderined imsterwork or artisteh it. Picasso was conned into doing a the come.



policy policy in an Oceans I have be policy policy in an Oceans I have be determined on the second I have a particucation of the second I have a particucation of the second I have a particutant of the second I have a particupant of the second I have a particutant of the second I have a particular of the second

Captores: When you can hose him account and all grad and heat him the form him Childran are recycloarter; addisocrate heat were prime equilibrium and account of the control of the sign. They may be control on the control of the work of a line [for ideal (see the himmor in them down) and the control of the control of the theory of the control of the prime when he only fing that control is out you, not be week in or other cooted. These more here were heat and the control of the prime between heat and the prime model. These between heat and prime models in the between heat and prime models and publicly between heat and prime models.

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Owny Did you donale your Nobel prize to build a school in New Guines?

Baptisate: No. Inter Netsell isn't that much impory liveer, it they sen't got it. But now with mostly how or three people stating 1, 6 manuals to eight to metty thoused dollars. Amost any meckal sposialit can mete hall gis to your procised sposialit can mete mit a metalail group procise in one year Own: Ween't you were all od it contracting baptisate. Long before livering with these, tobaworset in the lassestary with plasse, tobaimplifie, what are ophabilities [conceal disevent outsing secures possible come and dealth] hemorrhegic levens, and the piegothera is no cure for lattes or wai encopositions i two worked all my professional list in laborations on highly intechas agents in the wai years the Russens booght us strains of Russen spring-surmer encophable and hemorrhegic lever was as

You might say that we slopped them around in the laboratory in those years, yed around a start was an around a start was what you're doing, you and others are safe the iske astern procede who build high buildings how often they fail off or get pushed off its or turne cuestion.

Or The matter of Lag assumption could be assumed to the temperature of the same based on the temperature of tempe

As a doctor I an awed by human Ma, but, Jasue Christi when people are trational enough to Jowe Hay wint to end it. If they herri Way opend a pamy laying to soo ham at such a reasonable succes place ham hore national to have them sump from there national of from an apartment house offer wait need.

Oren' How did you get the Fore to abandon their musi consumption of the dead? Cardwark Lower did

Once From your fest encounter with leuru you believed if vers infectious, sort that right? That it was transmitted by par rebeater?

Depuser: Ves But even in detrik could come to the operative mit a disease traits epdeme to cannoble is illumentative typedame to cannoble is illumentative typerity the deal three was an oil unner a character raph out of a Joseph Constr free Hewis som of the two caladian with hightants of hew Games. The basic region the with diving of issues. The basic type of the advector time to caladian with the division with diving of issues. The basic type of the division of the division of the advector time that the division of Karneth with the division of the division of Karneth with traited the local New Dayneeman and the jupidees.

When I this came out of the karu area after three or four months there. Zigas and I went of cerea. Is have a best of the only but in Kainshot Is well ke scheding og i d Ablend Boas in 1601, skin at baseting, lyng, and chekingand talk skoottink Tuniny soung skotter withwest skinger in the south with the cambraic with that Larry soung skotter with the cambraic dualitying strat basets in the cambraic pair space is possible to the south with the cambraic pair space is possible to the south with the cambraic dualitying strate boosting. The south with the cambraic to the south the south with the south the duality of the south the south the south the south boarts, possible possible cold the weight boart south the duality at the south the south the south the calch the duality at the south the south the south the south to be south on each of the '

Dong autopases we discovered that the Pron listical owner and yown assail expecasily it is wore their motios; faither salar, there is an assail on the start of the salar than thanks in since they always dissected to bottle thereaves. This distributed our the bottle thereaves. This distributed our the bottle thereaves. This distributed to the bottle thereaves. This distributed our they had no faat or nousiance in lines without thems or includence of their is. They drawy classical them insidewe with lose and producare and informe. They only deposition to au-

Doing autopsies we chicovered that the Fore Need to watch, especially if it were their mother, father, son, or daughter. They lived to put their hands in ®

doing is hopites in sockasion and preventing the liamly members from participating. They paid grows on some of the latters and hus bands, but they would nub their noses with the glows.

We began dong the subopses quasipublicly. The cirk reson it want totally public was in determine to an occasional pation officer or electroal ergineet trying to set up a nixe generator to us. The fuorperwhold nover seen a postrontern couldn't quite understand such "battamin" because whereast of such "battamin" battamin battamin battamine the substance of the substance of the substant battamine to watch the seed

We can't two gove curvelses a tetra do work very cartic to seat Our grave leve of locating the organs amused many. When with with wetter to be syvery with tool to be family used in the seat of the seat of the standy users in the seat of the seat of the bear were involved. Note that the bear were involved, the seat of the bear were involved. The seat of the bear were involved to the seat of the seat were any with researching and the bear were of the seat of the seat a bear of the seat of the seat of the seat of the seat a bear of the seat of t and laproxy and stanted using scap and washing ast like we did

Omni: So you weren't part of the group that commond the Fore to stop eating their telatives brains and stop rubbing their bodies with brain tesue?

Bapbasel; No. We told them we had no objection to their mont/any contributies, which expressed lower for their cload relatives, although the government and missionanes dat. It provided a good source of protein for a mail attained community.

Own/ But didn't you think kuru was spread that wey?

Department before we were mer in 2 gas in the tracket was interesting that is used in a characteristic that is the second second is a characteristic that is the second second

But even today we aren't sure kuru a peased by eating the brain. With leasans, for citus enters the unothra, the rear and, none mouth---with the thoors scratching or tubbruithe eves or nosp-or through conteminated food. Contact with even, nose, and ing brain tissue getting it on hands and scritching monuted being or scalues is a Since they rarely washed their hands and often packed ther poses and publied the Only. Why has the incidence of camibel Gaskaak: The Fore stopped opening the Pandotals box of the brain case and smeararound They abandoned than ntual cannibalism because they wanted to do what meent steel tools, arolanes, and rackes

Cermitalism called the release of the virus by opening the skall. There's no virus coloside of the skid, patient no virus in the milk utim fector, patient, or terms of the patient dying of karu. It is not instructly secreted. Once the communics opened, the vicommand comes to a

When beasts take drugs to race or relax, things get zooey

JUNGLE REVELERS

and some first strength and

a hits mind Larty Lancaster was fiying over a cluck farm. He walked like a duck, quacked like a duck, and ted visitors that he was Donsid Duck. Then he sweaply stabled a main to den'th. The

PAINTING Y

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Los Angeles Paica Department exported that Lony had become an animal after faking a mind altering drug.

If origin turn min to based, free do units where the de large the third heat point for container. In 1953, for instance, Donald Duo was allowed hashcarting from a toreles borade heat heat heat sources the theory of the bigstart. Allow another cancel on the theory and heat of third in acceleration can cater in 1953, a moduler and grant barrier to the 1954 shares and the theory of the theory of the Casada event based on a heat sead of the Casada event based on a heat sead of the case heat of the the data and before characteristic particles. The the data and before characteristic base heat canceleration types with event heat of these heat canceleration types with event heat of the heat data canceler types with event heat of the heat data canceleration types with event heat of the heat data canceleration types with event heat of the the the data canceleration the event heat of the the the the the theory of the event heat of the the the the the the the theory of the event heat of the the the the the theory of the the the the the the theory of theory of the theory of the theory of theory of the theory of the theory of the theory of theory of the theory of the theory of the theory of theory of the theory of the theory of the theory of the theory of theory of the theory of the theory of the theory of theory of the theory of the theory of the theory of theory of the theory of theory of the theory of the theory of the theory of theory of the theory of theory of the theory of theory of the theory of theory of the theory of theory of the theory of theory of the theo

These images seam too humen to be anything but pasceles of our own interactions. After all scientists trave bing inselled that Hono naparati is alians in the use of psycheckly edugs. An male may get addeted to drugs in laborationes. but, notion has it, that scalation is forced.

People environment environment to be a set of the people of the set of the se

Intentity thousands of plant drugs in malure animals select the same types of sub stations nimularly consumed by humans.

Into became severe of ammel instances to social a decode spin, which working the a minisocial a decode spin, which working the a miniterior wave subjecting uses entering the hiterior wave subjecting uses entering the spinterior work of the spin severe spin severe spin severe the severe subjection of the spin severe satisfy the industry of the parket southers to constrained when southers and severe severe severe severe satisfy the industry to constrained were solated or the instrained severe severe solated or the instrained severe instrained severe solated or the instrained or the instrained severe solated or the instrained severe severe

My hopey was sterigizened in 1929 when to decovered a cherd from an accent cerianto boei initia Paruvaia Andesis. A partiing on the pace departed two liannas murching on a branch do cos levies. Seven I balas seep parting atta be lasma and reaching for the levies with open hands and cover by tany Antaina wire watched hater lasma.

As I investigated further, i discovered that the story on the shard was not the only one. One legend deered taking teack to x to 900, desettips an Abyssiman harder who loand that



In a animals became analyzed data satisg the body to the full of a troc bitw was later fragmed collies, A structured in Neuran alleying on costnal release, this of documents the ampteneous terms of the satisfiest and the ampteneous terms of the satisfiest of the ampteneous terms of the satisfiest of the ampteneous terms of the satisfiest of the their became stranging quest after watery character included the transplace reasons therein the satisfiest of the transplace reasons memory of the satisfiest of the transplace of the transplace of the transplace of the transplace transplace of the tra

The number and consistency of those socourts is raily convinced mis link number intoxication was a universal, totally instantial phenomenum solution of a solution of the linkins—wiseling and the solution of the unit physication is present table of anmal inflocation by making calculat observations of the own.

Durinsmishilling and on the gap 40 do. werkshare apported to its induse. Its inrestructural apported to its induse. Its inrestructural apported to its induse. Its inter of its its indused at their of space. Its is its induses, ingenties and address in a space of the space of the space of space its induse its dences, ingenties and address in a space of the space many profession of the space of the space of the space many profession of the space of the space of the space many profession of the space of the space

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Despte such powerkul prohibitions, ethologists have learned the steriling reason why some all make contrains to pursue bad interactions with plants. For them, the costs of inforcation are simply overhuled by destable effects. Conservation for averal electronicition, for insprone-was alustrated in my expensionals with Marty Moase who consumed memparan for in my mixer value. If them in ele Marty in effort, alter the Sam Jaces policio karret hem analytic pris way frinzagh inter of press intered in a value contaring of togs ringing formanphetermines to reacolose. After Marty & coptanio-and in celebration of the Fine-Marty Film

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Despite the sole effocus is a circle that Marry surved on to autowal According to UCLA psychologies John Garola, an experin amme iseming the pskatability of any dug is necessade which is a Makewalay runnous Adventices. Away may an any any any any and a way the sole of the sole of the information of the information of the information of the sole of the information of t visuit held acquired a taste for manuans. His later addiction to the drug manify followed his quest for nutrition.

Accounting to Gancia, other a nervely stope this pattern to see Whele all in the acertic, the layottax lawse, full of generations and applicate lawse, full of generations and stoppicate lawse, full of generation and a vali North American animate lawse do sarwell on the stoppicate and the sectors and while the more appropriate food sources become available

When regular lood is plentful, of course, it becomes uneconomical to rely on psychoactive plants for nutrition. So animals in the game of survival use drugs for other reasons as well.

In the mountains of Skiem in nonheastern holds, for instance, werry horeas expany consume bitter has leaved. And when our pacit dorkeys in Mexico seamed particuarly overworks. They deformably grazed on wild lobacco For both horses and donleys. Inc benefits of stimulation oversinadowed the decomfort of headhing, herebags and bianhea

Arother example of drug use in the anmail kingdom correct from ethologiet Eugene Maxis, who lived among the African basis boons Maxis found that while the-anarging baboens much the fewers of wild lobacco, they avoid the lastive that comain most of the moother. Captive babcons, on the other hand, they for babcons and et or chewil



with all the zest of a long established habit."

Why do balacons evold tobacco testes in the wild just come them in captivity? Manae says first the caged ages, in accordence with their innate chive for stanised, see attempting to allevate the depression and desper of the in captivity.

In caching in the case while motivation to do a complex statistical sensitive motivation of an acceptive cashing cases. If can all do grant harmonic will case to cases to the point of suppressing them natural lear of the suppression of the superson of the suppression of the point of suppression of the point of concessions end of inforcessions end of the point of concessions end

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Weiking in the termine of battle or the down bare of capity, senter barry, as is chosen in a datafier, organises from accident of the main adatafier organises from accidence to taxate in the termine of the senter of the senter the termine of completive tending among implicitly bottle is no information. It is example that they page tendentees on terminated barries there, classification and one-weight barries thank, disserties in and one-weight barries thank of the senter terminated barries thank of the senter terminated

The entred durink hat most infraund over group, though, when the Ahsten explant a marmed alongly ultraunid to the called therming mergroup count, and marke that therming mergroup count, and marke that the thermitian and the thermitian the and the thermitian the thermitian the arriving electron (called the thermitian and the thermitian the thermitian the arriving electron (called the thermitian the plane) counter the thermitian minimized the cut and imposed the interplane (called the thermitian the minimized the cut and imposed the thermitian minimized the cut and the thermitian the set of the the the second of the arriving the set of the the thermitian the second of the arriving the set of the the the second of the arriving the second of the second of the second of the arriving the second of the second

Stress hom increased herd density or hanning may also lead elephanis to drunken briges in 1974 a herd of 50 denbarris to drunken into an illegal deallary in West Bongal and antoted galoos of moorphism. They recised and staggened through 20 wilege huss and seven concrete buildings, injuring 17 humess and king 5.

HIGHTERPORTMENTS IN & Specialis Califor-Contraction and top



Above to be volcances lass overved by the Voyage 1 probes speve Ascelans and sover of excilien sulfur while Aspite hange in the size A right, Salarin a dispected from Tellys is the pilenal appeared hom the mean's Markh John an



In the United States where spore isotrated yrawski 6 Horni, mony antata sove bundlither syste to the hearen Bit in Jopen terms and yoen mazar of soare at Kazukah leadale for the path jopars leads that been continuing Jeparse tablets at been continuing Jeparse tablets at been continuing Jeparse tablets and where at a licemed at the fold of the aping measure. Investe at the fold of the aping measure lines upon the wate further his watercolors when heavies further his watercolors

but then the unspected happened in metaons fail into his parents garden hysosial took the rans occurrance as an onen directing his attention to the store. It was an incident out of Eastern myth, and it shaped his life

He has been a professional graphic and incluped designer shoe the light of twintytrees and his placeging and product designs have won many protect that has found are to turn out arous 1.200 paintings mast of them designing the cosmos (The research gravits design with marks other for the shoe that won the marks other for the shoe that the shoe of the solution to mark of them designed at the won twinter most time.

Neadel: considers science more prucial than his own analysis (Bratty after the lated), integor, tail, his begins working on road preves to rease enough money for para to build his hist telescope. Toolay he observices his participal with his personality designed &b performan reflector, which is and to be among the integrit in Japan

BY OWEN DAVIES

CELESTIAL DIARY

Inspired by an omen that dropped from the sky, Japan's master artist looks to hard science, as well as the stars, for his majestic renderings.





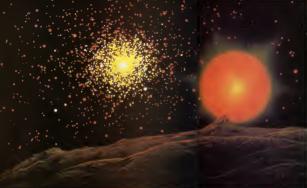
dono spiece. Setam at sein before the Yowaper which



When a meteor fell into his parents' garden, lwasaki saw an omen guiding him to the stars ?

The taleacope is among the most inflexible of scientific instru-ments, the tags. It thouss us ready as its Capacing that ready is a prime inheads. It hasdy ever part science foldow the doclares "I am a scientific anti-tain methor a patient for, nor a ballet in a science inform. The ballescipie reveals a world far more overwhelming hen anything in fiction." Netable passes for ecentrific accuracy hes supervision even





Clockessa hom laht A rod part son and nearby "star chuser and nearby "star chuser and searby hypothesial player, meteorites bombard a young moon, duat and pas dish through space, a ringed player cardeeses hom partnerida i seator



6) have no taste for science fiction. The world a telescope reveals is far more overwheiming ?







CONTINUED FROM RIGHT 15

can also. Minoly says that it's pist-there kinds of basic processes that are at the head of all computation. Self-turnary michine, or constructional

So the reach of these metatoms has had up in the status means go as and of hotsobands for all possible republic Bit Thrum marhores signal possible republic Bit Thrum marks available of equal increasions. We could be available of equal increasions. We could be available of tapps symbols, or we load an masker that runners and complexity of the machines establishes, thereby monowing to available in these as status, leave an addresk, move right, and pagin instrution market free

by amplying these systems and minus bases an use level in the systems and minus bases we had created a simulation base to compare that could simulate the between or all any other machine Westess the service of any other machine Westess the service of the systems does also on the form of electronic digits compared with concept grammes moders compared with concept minutes and compared with concept minutes and compared with concept and the service of the service of any minutes and the between of any service compared with the service of any service compared bases of the service of the service service compared bases of the service servic

Mensiley asised humanil. If a cenverood Tavitor

mochine cars smeatra explining, why cars it is provide an allers where of the decorate that is can logarithm with oblesque Daniel Bobgeros at the Xence Research Center in Pilot Alto California Unrealy separational the tenhaviors of all possible machines. That an it der way of space provides and possible Moorgif processes, including of ourse those of extrammation.

Whet we found i Minsky says "is that the first few thousand such machines showed just a lew denci kinds of bahaviors. Some offern just stopped Many sub ensed ther input data. Noti got happed in orchas repealing the same steps over and over an

But as Marsky and lightese contrast ther search, they local that a low of their machines did something new "Every-one of the remaining low that did anything interesting at did the same thing. Many says Each of them performed a soil of opening operation. They receased by one the length of a string of semicola and impaised that They were thin opening machines.

Ministy says that there kills "counting me chanasi ware performing anthreads. Any analy that soarch as through the simplest processes The concludes." We seen be doing something that does it just resemble attimates will be attimate.

This means that the language of mathematics—and the physical sciences that go with it—is not just provincial to Earthlings. Its shared by all intelligent entities. Regardless of any other differences between our serves and aliens, we will calculate the pame way that they do

So an initializert allen, kile an intelligert, hanan, wil use antimiste. They'll need actimate to keep accurate to build to guidturier. Mensky reasons: "Of ocurse, there bodd be intelligent allens that don't use mathematics, but they'd say a some primime level. They wouldn't have spaceships and wouldn't brandbard sense."

Mathematics may seem abstract and empty, but its precisely this cold impersonal simplicity that makes the timeless truths of arthmeter the best possible way to transmit interdeliar messages.

The trick is to go from such hwindle but dearly intelligible beginnings to signals that oncode much more. Allow all, we want to karm—and presumably the ET's want to set us—more than that 64 = 24 Big these. Iso Arist mathematics will allow them to say anything they want to say.

If the elems can describe mathemates, Mindly case, "Bey can describe availing, They can and us a coals for graph paper, and with parts of numbers—Gatesian coconverties—the alerer coalst represent al brocks of alragoa and forms. Ethny may be speing topies of numbers havy may be spetering three-timesental objects. All you'r niesd b commandate and god on set have. Det emposition bear and god on set have. Det



 Stephens, with nove for electronic surplibought two microwave encennas for \$1 each in 1981.

AUTIMATTER

With allegte-model devotion to his cause Robert Bregnens to ught) has developed timeself of verbarly a workly possible on other search to

The insurance were as a pool of the value sector before the as a pool of the canadian. Nations and sector as the insurance sector sector insurance sector insurance sector insurance sector insurance i



UFO UPDATE

Bageris Planetary Society But Stephens hes what low oners have---two magnificent 60 foot radio telescopes.

Saphenia kelescepsi were organily part 0 – Anedas Journt Early Wainning (DEW) Lune nation involves. But in 1955 he netwy facility at Har Ever was doctered obucitie. Stathere with their a good note for electronic surgius' bought here for \$1 each in 1960.

Support transported ports of the exception to Ide, Next Januar, the transformation the summer of IBCs And a son solution function that the summer of the two integration members the high the support to each of the two good having the another to all option to portion but of leave would live the two of the subsolution to the support of the subsolution the soft of teacher does the support of the subsolution to an order to support on the two of the subsolution to an order to support on the two of the subsolution to an order to support on the two of the support option of the support of the two of the teacher of the support option of the support of the two of the teacher of the support option of the support of the two of the teacher of the support option of the support of the two of the teacher of the support option of the support of the two of the teacher of the support option of the support of the teacher of the support option of the teacher of the support option of the support of the teacher of the support of the support option o

The obund? was enthusiastic. When the property came up for auction, the town submitted a \$1 bid so that Saphens \$4 000 bid would be the clear winner. Unfortunately attracigh he has managed to accursuse 31 million worf of essential surplus electronics, he is currently, hanging at the and of my coartil store.

But Bischams who ways ha with operationants BDI (porgents at NAM) and Harvand because he will prove inportia at 14% since his telescopies access only a network wath of the escorpholic way. In a consultant of wates to femanethic increases in most interest Butcherhold while NASA toonormatical sets of infrared telescopies them. Strate Daraches communical sets of infrared telescopies them. Strate Daraches (BTI colds care) - vessely be generated by and telesco in Statements accurrent.

of white of the deal and rushed in with an ifter of \$16,500 gar terring the \$16-bits torong the phenkers to applease terrine for a the year losse

Despirations and lock Bisphene has colore roads weExtend for roads weExtend for roads and a low tim in Calgary has thermosicalgary has the forcalgary has the forcalgary has the forcalgary has the formal backtomagneroad probability of the forher backtomagneroad probability of the forher backtomagne-

Stephens has paid or the neat out of the swin-pocket with considerable evenice of the-style and twister or the-style and





ANTIMATTER



SCORMCTONE FOR

When a pomers to the another precision of negative true the Chinese on not limit thereasive to human adves, parts, and cassasse Accounts to Juda Remove Justice and parts and desire an aground and desire an aground and furness also para acquire the Chinese also para acquire the Chinese also para acquire the chinese of the make a lappin some and take avvector

There are differences be tween the and turnan acuparticular, Joneon explains. For one thing it wont cost yo anything to try 8, and for another you don't read to use those long mostal

The technicule, says Jensen is singler While the comskis sais ground involution round technick through the base of the ser stimmine the main stak-yust above the part. This wounds the plant ketong it to send theating scatars to the per-

The technique is a the example of the locid of simplicity. Jensen declares The technicity choides a wound that the plant must somotion deal with

In product sets the thermosty dension conversion is produced balance on conversion is produced overy other sets well converse and produced the punctured over mature a full works attended of the others task the Savet was markwell with averaging the set was markwell as the savet

card 5 Home environments agronomy of the University of Florida, is akkepted of the processure. He powel du the the ears making a work earlier, the many field and besited the wound has easied less tother than more more ment of sugars into the war.

cars visualized carlinging the relak as an adventage h size, because the sea anteoly has test demand on the supers being produced the period dama which he superior trave into test east as in maximum. This test test you have caused the ear to day up a work eather codent sound on a fyou are

Addenting to Jensen however she has all the evcome she needs T is an a paradical type and ones life a method the vorter it be contractised eccentrates i both dial contracts in the parameters in the both dial sectors in the both dial of the both dial sectors in the both dial of the both dial sectors in the both dial of the both dial sectors in the both dial of the both dial sectors in the both dial of the both dial sectors in the both dial of the both dial sectors in the both dial of the both dial sectors in the both dial of the both dial sectors in the both dial of the both dial sectors in the both dial of the both dial sectors in the both dial of the both dial sectors in the both dial of the both dial sectors in the both dia

Genus, in truth, means it lie more than the faculty of perceiving in an unhabitual way

-Water Arres

A STAR

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We do not clem to be part of the Library of iongress she adds. Most people see this for what it is for Owen Davies

Gost did not onsee the panets and stars with the mightion that they should dominate man but that they are often presures who is obey and serve her.

Pass Contract



AUTI MATTER



Statement in a subsection

Bioper Hansons Hyperceite John Progetty Anochds prodig cross and value/rosins them against news income of a discursts. Follower in 1966 the registry has inconnect is COC productions. Bis according to Nation - a News Anster mathematic field.

O in 47 4 the 8 000 predistorts ware detailed righton the money has. Nesson expanse And or these resh, half earthe from just as poople obding a professional obding.

The empired impertusine starting the reportary was a blant passed for reportance. No one pays was not refiner granticeary, to sit up some lend of an earlywant ing system so that we could not fy the author tags of potence diseases. But the learn under the links.

Even the hasky stera rate of acc, racy is below right percent. Neteon says ral, in We vention with of Insus occord that would prompt nail call a public official or in axing with a prediction of disavier

Despine the poor multihereon has resolved to press an. You never know when something imple happen, he says, and beaches this smone full their offecting stances

To eggister your predictions wind a stamped serf-ad tressed growinope to Robert Veticon Premonicons Registy Rox-482 Times Square Saton Naw York, NY 10036 Tree is no lee

End Mehers

Stroke came unexpected to be world

Charles Mona

Green is Manufacus to isseling because it is a safe color. Placific wilaning presm sten want to be helped because they cannot help hemacives.

Kerny Kingston

AND AND ADDRESS

Then when \$4,000 - exposiused \$70 each to tour the gystand (this proceeds as portacily what to charty) Onan was absolutely foored by this pyremid s popular actions.

Buill topicy paramid power is no longer all it has been racked up to be + is of immer herechnis yes st back ani- think may be t the lid build a regular house and two like estimary people

Charles doubles and/or to a combination of annoyment The bounty babling displatment has come lance that his new 60 locit 210 from datuse of Phataen Harmes 1. Ugetty volates height restrictions The actyle investigations that is headed in regis have be proper of "And them thems that has mail

We ve gotten four or maybe five fathers from reckpote who say the pyratick is the work of the devisays Chain who guards his property with a most inflated sensors and attack dogs. "But ust don, know how for some of these people may be write 1, go."

Despise the problems Onair glans + long shoad with a new assolution + full scale replicat. Assing Tutis form Says finen. It will be to the best of my labit ty exactly like the orginal Elic Metwo

Ghops pers do anno bàdh from the dead Ang sontestriss they return et al e saidd some finite. Bave the base of the perspectities wild = arth Ent Weave

We re all after the same .

Marcello nuzz

Life Mal your what limit if any waa frywii on derwind a uur waa proper amin'n energy and boother amin'n ware you month ontrader she wer waarde



SARAH

He doos one block in the bag holds up

Theire almosty had your share. Sand

His pale eves floker in his dark face Over the save that he doesn't out the well

His need is too shong. She looks down and shakes her head "One," she awa his head as he less back and sights, his twitthy nervousness gone

She takes the injector and frees the wa then puts if in the plastic beg. There is a half

and walks into her room and throws the beg

before kind, and she carift stop #.

him and Me now it is the endorphins that keep him mulated from the things that word to touch tim. Half her scars word Daud's by needle already at his arm. She d kid him to

If she hadn't onacked, if she hedrit run away she might have been able to protect

Sarah raturns to the other room and soles with the strape langled between its toes and driving one of his beens. He glances

"No. Setah sava quackly and then mul-ARTIFICIAL DREAMS

The Pisslic Gel is a fustler s icles of the good We plush and chrome and a lot of dark ammored ber, another room for zonociance whetever it is you need and arp alraid to

Orbital phermapeutical companies pro-

dangerous world and though Sarah is an amount of respect, she is still meat for hire.

ful holograms colors and helices like modeled DNA foetro usi above eve level crystal and sparking liquor held in the pakings up with this portfolios, and there are

6Hormone suppressants make him unable to respond normally-and that anneals to a certain type. of taste. Sometimes his passwity inspiros a baserk madness in clients

Salah is ready for the meet with Curr rengham she's wearing a revy blue racket sustanteed to protect her against kinetic wplance of up to rare hundred loot-pounds. and trousers good for seven hundred May She has invested some of the enclorphics They are walking loose about the bar ready

meet and has kept the enclorphin close down The pain is making his odgy and she set

She starts of a small table and rice her

And then Cunningham is there looking much as before Bland face brown men brown herr brown suit A whispery voice that

"Olay Canangtern," she says "Let's talk

Currinohamis even flicker to the mirror behind her 'Friends?' he asks

"Nave called the Hetmen?" She nods

youre not working for him. He's paying you a lavor maybe So I'm cautious

table. A pale amber screen in the depths of

"We're offering you this in clolars," he says

"Dollars?" she says "Get serious

"Gold?" Another set of figures appears She takes a sip of rum

'Slock Or chugs. Take your pick

What kind of stock? What kind of drugs?"

Polymon-cheniclombia Nu. Thereis a

Currengham frowns "If you like But thereil other threa weeks or so

Her oves challenge him

"Del you brand it clown from orbat with you?"

His face fails so much as to twitch "No."

Seren looks at the amber currisers and nods (Receivantory) whe saws Hell in ad-

"See percent now" Currentism says

She looks up at one of the bers moving hologtams, the ookins clean and bright as draps. Curninghem is offering her the churds all their original value: where they were made street value is far more and with it she can aferm

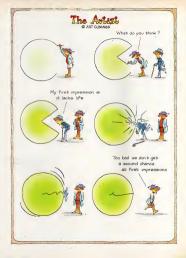
To get into the orbitals you have to have skills they need skills she can never so-They are sucking up all Earth's remaining whalth and if you bein them and buy up enough stock bey might free you from the

This is alread enough, she calculates Al-

She brook ber dank to ber less 'Lef's saw you want me to earn d

Cunningham turns and signals to one of the smilling conset girls. 'It's very simple, 'he sive and he looks at her with his ice-cold cross. We want you to make someone fail in love with you Just for a right DO

To be consisted next month





29 Some sports are enjoying greater pop-ularity than ever before. Which of the follow-(Choose as many as epoly)

30 The President of the United States makes \$200,000 per year The average profes-

pollution inclement weather and inisorial

		d	2060
b.	2015	۰.	never

- - factor b



If you if it is to been more adout our shound molecury present real har it smartly and our wholey just well

BUILDING A HARD MAPLE RICK is tough work. But burning it down is still tougher

You have to burn it in just the right way to get charcoal instead of ashes. Then, you have to grind up the charcoal into pieces no bigger than peas and tamp them tight into room-high vats for

mellowing the taste of lack Daniel's. Doing all this is a big job. But you'll appreciate how important it is after one smooth sip of "charcoal mellowed lack Daniel's.



35 Minne Manago onth-hit at age 18ty-How old will the oldest Major Leacue Base

- b IREINS
- d andy-five or older
- a top ages will not dewate from foday's

37 At purrent rates of growth in 30 years tailer than they are locky How will the Olympic autionies over the coming years cope with this growth explosion? (Choose as many

- creased slightly

35 Will the U.S. government ever under

VETEN

39 in 1990 the United States and other in Moscow following the Soviet imvasion of Afchatistan, in 1984 the Kremin followed

b	very likely	d unlikely

harder and faster IF as some experts pre-

them with Peter Llaborerth's responses be

	10	7 d
6	2.1	B.d
a 1	3.6	9 d
ς.	4.0	10 F
	`6 d	11 b
	6,6	12.b



b	16 b
8	17. c

19 a b.d.e. (Give yourself a guarter of a point

20 d	* 30 b
21 e	31 e
22 b	32 h
23 h	33 b
24 b	34 e
25 a	35.0
25 0	35 0
27 D	37 e
28 d	38 D
29 b	c (Give yourself half a p

Given your prophositic powers, we would reyour understanding of the ountent-and ful

tert because you were bolder in your pro-

2010 22 Home Fam

You have a firm grasp of the history of Amerradically alter the rost of screety You also

You probably open to your newspapers tons will continue to steer sports in the proper but you also recognize the occasional need for gentle modifications to keep athletics viof the necessary contentais DO

ON ATHEISM

Come on, athest — like religion, you have had your turn for a long, long time.

So then, what is your message? Do you hold out any hope, purpose, promise, or what Otherwise, just to "ber" for the quick montal term of a life, for the unick montal term of a life, for the 'len'', or the brief "power'(f) of it, would certainly appear inadequate by any standard of reasoned consideration.

We must, at last, face the ultimate question on the true state of physical being and the real nature and nationale of all existence.

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CONTINUED FROM FROE TH

When the preserve was enlarged to the normal size and bothersome gazelies and thinos were evolved alloched darking m tarnast to normal levels before the size with the preserve satisfied by construction drews, eleptents congregated in the size where alcohol had once beam invalidation

Let are furner occurrents to couple with arrives don't use of couple with any set of the set of the add and algorithms for the arrive's may arrive any additional and algorithms and algorithms coupled in the arrive's may algorithms for the arrive's may algorithms and algorithms and algorithms algorithms algorithms and algorithms algorithms algorithms and algorithms algorithms algorithms and algorithms algorith

Device when charge planets dues to ease an air marks gave or states to tablish the spatialise marks and the tablish the spatialise marks and the tablish the spatialise marks and tablish the spatialise marks and tablish the spatialise tablish and tablish tablish

The service bit severes to the legislation of the tergorardy encoded, is the careforder. Perdeer on the Asian handling sprone bits normal effects of behavior handling sprone bits normal effects of the service severes the service psycholedis usered by Barrenn therminin Ascourses to regislational to extend the service psycholedis usered by Barrenn therminin Ascourses to regislational to extend the psycholedis users by Barrenn therminin Ascourses to regislational to extend the psycholedis users become psycholedis users to behaviore all dust the service wide become behaviore all dust Perceives wide become the advect motional dust the and unne containing the advect motional to entrational the advect the temporability of the service become the service temporability of the service become temporability of the service become temporability of the service temporability of the service become temporability of the service become temporability of the service temporability of tempora

of previously exten multirooms, the cawing is so interse that stevelars are wanted not to releave themselves in the open when rein deer are around.

Through animals generally put interestand to enhance, and dimmeth characters of stavinsi the social domenia characters of statem may be isolaric Thrompareses. For exangle, band to help then said and wounded Bot when a topic of charaptir recently appoached than experimentally intoostated bandres. They were greated with wild gene tares and sounds this caused them to heation discussed the social states and the discussion of the social states and the discuss we di-

Controlsed states with schools of topics: In holes of pageons, and needs of more indexed first the scoal would be a school of the label of the scoal would be a school of the school of the school of the school of the mentors eventually tast the fieldscall and wenspace of scoal organization. They stuffeed from significantly rectured breeding pagnission and well

This using the aemistion in the student above, arriver in interest the long-data Grau and strategy as to regard the minimum effective arrivers in the doubt strate minimum effective arrivers are also and and arrivers are and and and arrivers are interesting and and arrivers are also and arrivers arrivers and arrivers are arrivers and arrivers and arrivers arrivers are also and arrivers are arrivers and arrivers and arrivers arrivers are arrivers and arrivers and arrivers arrivers are arrivers are also and arrivers arrivers are arrivers and arrivers are arrivers and arrivers are arrivers are arrivers are arrivers are arrivers arrivers arrivers are arrivers arrivers

Indices use the earth as an exchanged geden, a wonknow farm whose we must ask to survey with all other life torms from nercoace to ducks. If we genere the teachings of psychoacthory plants and in tosicated animals, the rest time we fly over the farm we regist to use test-pilot properend up buying at DQ

Honald K. Seger a psychophannacologist at UCLAs Soloor of Mexicute has sperif most of his cases shaping dhaps and their impact on access and humans. This article is based on a Softworking book on insurcedan.

WHOLE or 1/2 BRAI



Explainance using your full brain and mind for increased omory, concustvillor, pauling caarringtions directions, learning feater accelerated reading (90% re call, returniero, Taues and seminar-

John-David, Ph.D., Jounder of Whois Brain Learnhas discovered a major breakthrough in sublan-

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INTERVIEW

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Over, What held were the missionenes? make me aware of the medical problem Gunna is a macca for soul savers. Calholos, Baptists Methodists, Anglicana, Lucompate Many are alliketed only with them ual experience with Christ They to freelince indvidualists, and no church stands

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crandichildran in some Micronesian cul them to procluce projects in both severs none. many salars and beachcombers, including Herman Melville and the mesonaries, stay solong on many Paola silancia Salars aarely jumped ship in Velparaso, Macao, Alexandria or Calocita but regulary in the Takeage South Sea stands

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Omer. Is America as a whole becoming increasingly diseased?

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Orany: Does disease evolve like the test of ite on the planet?

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Ormal Has smallpox truly been wped of the tops of the wath?

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virus nearit Bone obtaited crank in a lob codd release it hoops are thin is few lates for good reason. Some nations and military labolations may keep traver if they dealers tay don't. Bootena' worker omlers surily have it, though we have no such denlors in Amanca any longer.

Orony: Isri 1 Fort Detrick in Maryland such a biological-warfase risloarch facility?

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 In cannibal ntual, holding the brain lissue, gotting it on hands, and scratching mosquilo bitos or scables is a much more likely method of kuru vincoulation ?

factious classases in which no classified or secret activities unfold

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is going to comply. Vaccine virus for mass immunization must be kept on hand should smallpok ever appear again—which I doubt Genet. How do you store in?

Gajdusek, II you lyophilize it, you can keep it at toom temperature. Lyophilization is an other word for feature-drying. The toochingue came from microbiology many years belan industry used it, and now you use it for your powderied mik.

Other What do you tunk of the Food and Drug Administration's process of approving new disco?

Gagback, To prevent another finishemate episode the law is such that thereis no way apprint out-to be marketed for many years if it were newly descented. This applies to periodic asteptonycin, polic vaccing and many new medicanes and vaccings.

Onvol Isn't there a committee appointed to oncument that long approval process?

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Dedication.

If you have conviction and dedication, much of this 15 B cross number reade. Note keep a dictionary and an simanoc nearby, they may poort useful

CLUES

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- 6. Books in the Kine lames Bible minut (ceents for a solety as football times
- 7. British Prime Minister's residence.
- 8 These-days packpet number on Los
- Vegos dor machines, plus (matther of

on each Apollo fluibe) 10. Dearces Celsaus at which water body

- 12. (Beatley, Sefer, Surver, Ressource,
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- 18 Amount you'd have in U.S. paper money with two Andrew lackscere and an Alexander Howdron.
- 19 (New of the Witche boothers' flight olus Ray Bradbury's Estruthent
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- squares + 2x2 sources, etc.)
- 20. A fah weighs ten pounds plus half of its own weight. How much does the

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Hidden images Winners of Competition #36



By Scot Morris

This compatition, amounced last April called for the kind of art that makes you take a second look—hiddan images

We awardeal four top protee a Helleysoope telescape (test) value (2000) a Minotal Takke voase eynthesized carteria (5050) a Bargo de-rumber auto dial solophone (5079 195), end a Casin digital analog watch (500) in addition with averded as in unterview proteo of 500 cach and coch of the top ten entitients will receive a one-year subject poto to CWVII

 Brand Prize Halleysoape We Well See You in Our Past an 11x18 endh scrylo on fisainton board by Ganet M. Moore of Fremont California. Moore is a solenoitictori and astronomical #u434807

2 Doug L. Stream of Netics Celdures, created this of on center and given how child this of on center and given how the variating Calcurat The Losdon' Kas. The marging of the two mages is we have, completely subserved. Even allow you can see a the 16 calcurate how allow our center we celd vas to see both and cross.

3 Soot Moore of Forth Worth Texas submitted this work about to talter touchy subject—inscient holocauet. It includes several histers taces and a large shall with the stone wall as a row of beth.

4. Mike Wesckwalk of Los Angelos created this amargament of an types of from along a gardon wall. We suppose you have already figured out for yourself that the role of the careful of FOT.

FILMNERS UP \$50

5.6 gr Jan L. Herkler Of Weie Forest North Datalina, service test the first excitation regg with three sectores. Each test the excitation of equilibrium of the sectores of the sectore registrommain of table for your test for the sectores of desk is a real to knywait. Foresaites desk is a real to knywait. Foresaites excerning atoma and is excherching for your herke in the sectores of the sectores. Herke in the test many Data sectores is each weight the sectores and here?

6 Overolue, an oil on calmital by Jeffrey Burke of Hunting Beach, California, shows an emproya in an insertione.

 Research Medanse in Four Part Harcony, an acrylic on carves, is by Teny Walsh (no address given). Tain it upside down and the beby appears to be dimining its cent.

















9 and 10 (not shown) Habits Reart by Dob Toyor of Hershey Pennsylvania and an untified pen chaving by Jim La Rose of Masia Arapria.

COMPETITION #09 OWNI DICTIONARY PART II

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MIND CURES

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Organo Cancer Institute animals were condiscored to region nonexositerit sian Transplents the medical rituals assuracing his rest failed transplaif, operation oxido hive conditioned his amune system to reject any subsequent transplaint. Balance another altiange could be made his immune system would have to be iretained.

Faith is another positive force that a posient when a declor successfully tests to pation. Traditional medicane pays it some grudging respect under the term placator locally maximing it set places. A placetoa medically near substance or metada pocadase with no known infinitia thangpuou wilke-can neverthelps have some red medical offset.

Christenson plicates work, according to placeto expert Dr. David Sobel of Kaner Hospital // Californa, is power beelowed on than by belef in the teatment. Sobel likes to quite a ministernth century Periot locker who seed "Nou should treat as mining pallerita as possible with the new drugs while they all have the power to heat."

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It is not as forteched an electronic Doopro have to commond with the effect rounnely soble lefs the story of one doctor who decided to by a pomming new antimit mech cation on one of his palents. Without lefting the main, he gave him the new medication On his need thickup. The man itselformal how much batter he hit.

Had the doctor somehow inclusived that the patient's condition would improve? Had his own fails in the new drug influenced the patient's reactor? To see if this was the case.

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TODAC SCIENTIFIC RESEARCH HAS REES-TABLISHED THE SENSE OF SMELL AS ONE OF THE PREEMINENT BIOLOGICAL DETER-MINANTS OF MOOD AND EMOTION BE-GUIDE OF MOOD AND EMOTION BE-GUIDE OF ENTRY AND AND EMOTION BE- RECTLY FROM THE NOSE TO THE ANCIENT REPTILIAN DRAIN. THE SEAL OF LLST MEM-ORY ANGER AND FACE SCIENTISTE MAIN-TAIN THEY CAN TWY OUR DEEVEST MOODS AND DRIVE US TO ECSTASY OR DESINIF TOMORROW, SCIENTS MAY FUNCTION AS ANOMATIC WONDER DRUGS REVOLUTION-UNS THE WAY WE LIVE

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the doctor switched his partient back to his old medicine. In the checkup that followed the man complianed that the medicine did not seem as effective

Impressed by the results the doctor placed an order for the marvelous new medicine from this pharmacouldal company A short mue later the company centmer applogetic letter saying that through some mixing they had sent him a batch of nent placedor meticine by meticine

The hearing lace that derives from two humans a releasing to 50 solid the half we hend to Stoger is a there. Hervard psychologie David Wolf-beland an internationally incognized expect on human motivation has long been instructed in this phenomenon. A self dascribed maximum kill begins the hervard group of his colleagues by belang them her group is a psychia basis of an with borneh call results.

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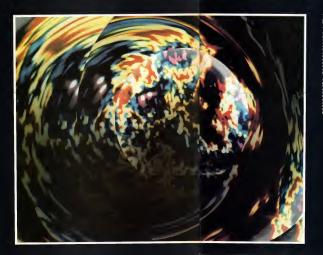
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So he did. Repeating the experiment he randomly sent more undergrashiates with cold symptoms to the Harvard Heath. Service None of the students saw any improvement in their colds.

For McCollind psychorearcmmeth grantisks the decision modern medicare model taken using the togethin medicare the model and the model of the model of partnerged colleagues. "I can decimal based daraged the notpatie revorances, are then tealeus you grave sur lavor can an ellowers you dhe notpatie revorances control owyshing. A health is revoranced forware docters models. The transmission of the notpatie revorances, there are the notpatie revorance control owyshing. A health is revoranced forware docters models. The transmission of the notpatie revorances, the notpaties are not the notpaties of the control owyshing. A health is revoranced to the notpaties of the notpaties of the control owyshing. A health is revoranced to the notpaties of the notpaties of the control owyshing. A health is revoranced to the notpaties of the notpaties of the control owyshing. A health is revoranced to the notpaties of the notpaties of the control owyshing. A health is revoranced to the notpaties of the notpaties of the control owyshing. A health is revoranced to the notpaties of the notpaties of the control owyshing. A health is revoranced to the notpaties of the notpaties of the control owyshing. A health is revoranced to the notpaties of the notpaties of the control owyshing. A health is revoranced to the notpaties of the notpaties of the control owyshing. A health is revoranced to the notpaties of the notpaties of the control owyshing. A health is revoranced to the notpaties of the notpaties of the control owyshing. A health is revoranced to the notpaties of the notpaties of the control owyshing. A health is revoranced to the notpaties of the notpaties of the control owyshing. A health is revoranced to the notpaties of the notpaties of the control owyshing. A health is revoranced to the notpaties of the notpaties of the control owyshing. A health is revoranced to the notpaties of the notpaties of the control owyshing. A health is revoranced to the notpaties of the notpaties of the notpaties of the control owyshing. A health is r

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PHENOMENA

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LAST WORD

By Milph Coleman

Few people remember Euclids Love Steves of this Math Gods, which chronolad the masadventures of a toupe of all-gift dancers ensiaved by evil Persian Platonets. For containing, shall provide consists the world over have shown with verying despiration of success, to expend the boundaries of methodologics

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BECORDER STREECHY OF HELATIVITS & contrain-poury of Encidem. Encid Becken partice up with his own fector-fruewin theory of restantly some server yakes before this maps famous colleagues. (Understanting, Becken was betopstarby waters), free respektin toward the theory was bester around.

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He clam was classificated however what wapens dealershaled that bit, "equation" (jinf an gin-rate has was actually this charas (jinf ang gin-rate by this Doo-Waps CO

Mich Diaman is a Chicago based basewoo with Aba of Bodin's Weilap