CREATIVITY THE SOURCE, THE SECRETS, THE EXERCISES

AFRIL 19



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FIRST

By Kurt L: Schmoke

 It is time we brought our population of drug addicts into the public health system and out of the dark alleys, where organized chime controls the quality, quantity, and price of chups. Last year the United States spert ipproximatily \$10 bitton on drug-valued law enforcement, while drug erminals earned at least \$110 bitton in profits. Meanwahile, drug-valued ermit, executive in columnar, emchilder ermit.

The harder we hyld use created like to steep out drug abuse, he groater the financial incontinen borome to deal drugs. This are drug policies alert juzz failing, they is self-deficient

Since 19/4 the policy drifts United Stask has been to first the use of drugs in this country is a connect drines. In 100 August Weiters a timery prusacer of the interactional Association of Drifts of Nuice said: Thug addressioners for a policy policient. Thus addressioners of the solicient of the policienter, Drug during in solicient by policienter. Drug during in solicient and discoursed by solicient of medical policy.

 Cas strategy of using criminal-law to, end drug access is a mission. We need to revise our approach, entries new topbers, and begin again. Attrough the criminal sector system should all golay is rais in controlling drugs, our palibala stracid locus on obsite health imategies.

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Host J. Schreichs in the ristyce of Badrie

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CONTRIBUTORS omnieus













So how creative are you? Turn to

says heelance writer Joanna Tomey "My are supposedly agris of sex apgression. health the experts say Well she triefly

Gaten Wboy The stores, entited on page 48 Dation edited for usiminaurci Blood Is Not Foreach (Morrow)

Normally we don't think botanista In "Where the Wirl Things First (carpe (6) senior editor Jane Borweid tella how Limiteurs in creptic detail classified parts The English were shocked Onebathsome harlotry" DO

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nonsuly the process by which about how Edward evented the merced andoets and commodities we take Arcking believes for free desponses 'Actually' says Briggs, 'creators give form to a hicklen smally

In "On Creativity" (page 42), author of hears creative. Psychologists are them, a "creative personality" hipe Truman Capole and Normen Mailer for Barton Creativity Workshop by writing to Appled Creatwity Rox 2296 Apton.

To enhance your creative output perspiration" Just ask associate editor to suggest an issue on creativity What

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ETTERS

COMMUNIC/ATIONS

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Fatal Vision

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MIND ODYSSEY

FORUM

robiem Design and build a unuclare from balsa wood end glue. It must share between regist and sight and a halt inches high weigh no more than 15 grams and support observe to 1,500 points

Solution 1) Ignora the problem 29 Consult an engineer 3) Ask a ket to solve the problem

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Celebrating issienth anneessing their year. OM is now an international compation involving mate than 350-2000 kicls Schools became members by phrting the OM Association a norpicofic organization whose cumulum materials are score scent by IBM.

Micklas is still involved with the DM program and is presently working on new problems for next year's contast Nina Guccaste saleid tim abaut ha thought on the pressive process An aucorpt from the conversion blows Others Do you believe celebry's inmalia? Michaia. Although heradity mer have pomoting to do with it. I definitely believe prestively can be learned Derw Do you fairs our present school

report isolates careavary? Mackau I soon therk they've really made any sort of commitment in the leachereducation programs to die di Almott averything, we do in school seems to be "Gave the right answer to this, the right answer to that" Gar and and made rooms are every bit as important es nor from the leads.

Greek As constantized tests velid? Witcher Witch on the SA's measure? Wit prace as much emphasis on thatm on weathing on out you go to college, on where you place in your high advad? The SA's area measuring computational duals gone math and some verbal and thate adout the end of it is comove thate adout the end of it is comove.

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Micaus I see poblem solving as a more fundamental motified of learning core than just memotified to not a one-ensure world out than but our educational system tends to be a oneanswer existent.

Once Any suggestions for where we should start?

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SEA OF TROUBLE

EARTH

By Ken Brower

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The summer of 1988 was an elevation to the alabel of the worst of household herrors: The looks of the ocean was linely backing up. An indelection metaphot for Mother Ocean, perhaps, but that is how we have used cor sease cardessit, efflweily, demand of ngH, parkege expecting, as a kind of ngH, that clear water will flow in again with each flawh of the bide.

But propagation for the operation are not entity base. Remarking volations, which permises to be the grade wheremeth annual of the next flow operation of the result of the second second and the second second results are also and the result of the second second result have been and appendixed in the about how borrood herm to life when terms have been advected and the access called the appendixed in the access that index the second results are also as the access of the second results are also about how being of the second results are been appendixed to be appendixed in the access of the second results are also as a second results and the second results are about how being of the second results are also and the local second results are appendixed.

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Pasto is lightweight, strong, and datable—ds where on land. Plasto floats and is nearly immortal—to sers in water Pasto can take upwards of the centrains to degrade, and much of it is distined to drift about on the surface, where mails as the poses on

HOW POLITICS KILLED LANDSAT

SPACE

By Brenda Forman

Particle Common Common

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Than in 1986 the French company goot image stands uscoessfully makening also mader socials markers construct other gradual to the down in live maken and escont of the thread and left the stable and escont the terms maken prohibition on our own frees.

But it looks fee the change in policy is too little and too late. For Londet to



On a clear day. Can the United States regain its lead in satellite photography? 22 Canta

self etcuggleg with the mitikary sources' patient in tends source system: "No way can a civiliar interde exempt program auxime in this occurry without the acquisecence of the acquisecence of the acquisecence of the acquise of the acquisecence of the acquised to the mitikary to keep pared U.B. encends acquise acquise the based of the acquisecence of acquise pared U.B. encends acquise acquise the years being the rise to base acquisecence in the acquise of the acquise the years being the rise to base acquired to acquise the acquise the years being the rise to base acquisecence in the rise of the acquise activity of the acquise of the activity of the activity of the acquise of the activity of the activity of the acquise of the activity of the activity of the acquise of the activity of the a

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THE BONES FROM BRAZIL

EXPLOR/ATIONS

By Heather Pringle

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says. That is the key, it is incredible So far. Bettrac's team has is harred more than 220 pounds of tossilized



Out of Rio. Gladle of Western orwizsbor?

species primitinly from this horse family. Some fragments apparent to have been shaped by human hereics into shapo of the and isotephene, and one such posts bis tool was recemply classe to 200,000 years ago

In addition, the researchers have uncovered several quarticle pebblos showing segres of human use. This nearest scores of quartities in two miles away. Behito cays: "Many geotogens and georenephicagias scatmined the imitatione caus and below it is completely provide and autorial advecting without human incomes. So main must have been there.

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STARS

By Stove Nadis

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Researchers at MB west persently for our gataxy is near is caparrow—an event heat may be to b 16 years werey frough funding will probably run out ong before that happens The Kamio kanda group meanwhile is planning to expand their Isolak name in planning to capture to intro a an marke it to capature to intro a an mark meating.

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ambieus a the proposed Subury Natanio Cheventary (SNO) in Ohanio, Canada: According to John Bahcal Orliviscetaria Iselazio foi Advanced Saudy SNO should be inter to descri al Hase known tapas of natimizeae activity, much and tau—ter well as obstimmen their source. These solar means table results outde exploritions the sum and similar state.¹ where

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ACROSS THE GREAT DIVIDE



By Mary S. Glucksman

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BLEEDING

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-Willigth Faulkner

Lind Weinson vary ducating Every time prebydy tume on the set i pries the other room and ead a book "

- San when Mars



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WHY YOU CAN'T SAY NO TO A HERSHEY'S BAR

Every year American's consume back that per careful a larty accessed that scientifics have been transcus about on years. The latest thank consent term Charlos F Levinthi a polyhology crimtogo at histolars. New tho any an Hongeada, New tho accessed bare may be a connection between choice between about and the

Endorphinis operative substances produced by the brain are instudied by the Endorphin levels have been linked to the way we re outland out levels of model. All destroy (see as a before the perment) should be to deprese the service of the second services and the second second second services and the second secon

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You wan't see the saler aer during rueh hour, it is designed for rearry. Am Jerren Worden place to rearry, five converties and service.

WOULD YOU BUY A SOLAR CAR FROM THIS MAN?

versions will be incusped to nun on electrical power provided by other the solar cells or an outside electrical source a feature that will make them useful in all social of weakfur.

Worsten thirlies the makent to his solar case, which will be less expensive to operate their canventerions automobies should be as great as it as full-upp there makent than 200 solar case have been regardered, and the market in regenerating guarkity in the makentar Watchin is kary publicitions that will howcless that regened and protectably? His grant bai an automotive revealution," Worden case

-- George Notibe

TUATLE RESCUE

Endangered seaturies will get a second chance all wrining the receive cavinval Concented efforts by conservelocrists and Congress have nearlised in the passing of a tratile Ecological Cenno (TED) (ave which will reques shringlistermen to usa TED nets when hering offshore: begin received will be the vermen May 1 of this very

After much delabaster, the the each logislition was linely approved as part of the Eridagenes Species Act. "Al bianches of the led end gesemment have not logislad at the audience on the downing of sea turtles in strintip nets sind at have agreed that shring faher men mask begin using TEDs Flava lariva are to be saved from extinction," commania Marydole Donnelly director of the Saa Turtle Rescue Fund at Washington's Center for Manine Construction

The nets and designed to advert PP percent of a captured assistment to have an branches by basin to access the nets also provide an oscape notes for hybrid work of other matrixe spoces. With TEDs overprote wire: A a cost of only 5400 each. TEDs revend shimmors with for more three officient fuel officiant water for an other the lottices.

Provously dramp twws free large standard nets/ eccurated for the "social-the contract of the social de CCO and the approximation of the CCO and the superimentation of the Control for Manne Comeaning Control for the Comeaning Control for the Standard Comeaning Control and the Comeaning Latinement Amortical and Control for the Comeaning Amortical and Control for the Comeaning Amortical and Control for the Comeaning Control for the Comeaning Control for the Amortical and Control for the Control and the Control for the Control for the Control for the Amortical and Control for the Control for the Control for the Amortical and Control for the Amortical and Control for the Control for the Control for the Amortical and Control for the Control for t



Not alloit. The endangered sea Note gets a second chance

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ROBOT WALKER

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The notice could reveal with a relation military combatsive around on Mars, or opensits in a nucleon reactor Mischan may also saim up with MT researching to preproduce a teacond general or of robot waters, with an opetoward unlocking the secrets toward unlocking the secrets

MICROWAVE BAKE-OFF

Like some gigar (c. natzowarsower, the TT Risopach Instance in Chaopo says (can learnity oper kace was right aut of the soil heating fo bengedower and the Roral base man field and Missoeran They for rows) infrast RP parcent of the at field, childhited hydrocationes and works oki field benerimmediated by text of beneric text of benerimmediated by text of benerimmediated by text of beneric text of benerimmediated by text of benerimmediated by text of beneric text of benerimmediated by text of beneri

The process does not approximately and approximately approximately

clean up a polluted stel for one third to one half the cost of current cleanups

Handdy o nothing but tored anworknest " —Cuther Buttan

'Only a mechans person is always at his bias

-comercial Maughe

SEEDS OF OBSESSION

Weatins of obsessivecomputative decreter (IDCD) are strivers to consistence theorytic and toware riteration One obspassive-compute are many fire issuance. Isseed an overpresening meed to drive abound deveral hours a day locking for a noncoreland body. An obsessivecomputere agries form pellod to count to 50 batween ach word this spaties.

Notexel treature of Norrise Health OLM (19) provinsion of Judith Rappipit: who documents theng comes in the Roy Who Caulury Sing Maxirig, admits Tait Breez tehaviors iscard cong. "But the more Latik to Caulury Sing Maxipication and the set of the set of the set of the complexees the more struck in the phone norms they are in disk ways. There is the classical conduction is a langeption and the then a normality conduction of the conduction of the set of the set of the interpret of the interpre

Specifically the explans, the strange observations and computations that haunt about 2 percent of the U.S.



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"The only way to keep your hoalth is to sait what you don't want, clinik what you don't like and do what you d raher and

-Mark Term



RGANIC SIDEWALKS

What do you want to make concrete if you want to make it stronger? Well if you re throbse, a small but move two company in Argailtan Prance, you pay up your prochat with a heattry does of stord annual blood

Innobat bays beef blood from Franch staughtantouses dress it to a powder then blands it with two ventries of colluces contenting agents when mosed with water, the blood protein molecules in the solution react to form creating while notific to the concrete hardens i Toble shell-coated bubbles make the concrete agrinounty lighter, and because the bubbles are distributed eventy intellighter and concrete, ar bubbles are rendering distributed i in up to 40 percent stronger than other concrete— 201 Javen

Markind is a gregancus avanali, and march more ao in res mind than in his body He may like to go alone for a walk, but he holice to stend alone in his opmons "

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CONTINUUM

DROUGHT REPELLENT FOR FRUITS

A charmer has come up with a remainable way to protect truths and vegetables from the navages of decepts a bedregmelikele frem coaling that blocks the evaporation of fluid from the hult trees or vegotable pixets.

This observat, Walker Pois overa of Southern Recent Housetch Enterprises in Flort Mykes, Florde: between his coating will be a locor to formere because the walkets rice administ because the walkets rice administ enterprise to exceed only encough indefault for sees if from spoting will did Twe projectime that bee or regulated plant from drying apain but, cry weather Privance development assency, which is unmarred at her wheng through a nambe of argammaria in which biologia abuse the which biologia abuse the which appear another is even applied uncertainty were applied uncertainty were howene applied uncertainty proving a lead conveyor how may applied uncertainty the ware - General Motion

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CROAKS OF DISTINCTION

Some people say a Frence accent turns them on Others, evolutions the sound of a Spanish one. Now searcachers have choosened that at last one species of trog also shows patherence when a correst to accents.

Cricket regal a small express to work to work to the process to be one process to be the two process to be one process to an end of the Process of a data workshow and the process of th

Studies of the case of female cricket hogs have shown that edupations have occurred that make the hogs sensitive to diatects "for example in groups unied to have frequen ose contain parts of flesse hogs take are larger to help them pok up the lower responders." Wilcontails are responders." Wilcontails are

why weak other hops in the condentical to other hops living only a few mixes wears only a few mixes wears in the first piece?" That remains currently, but we are currently form to figure out it something in different hap that meaks one miniing call burdler than apother to a pathous re-entertrent.



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Miczyreki ar oword

Wratewort the cause of the logar wayned accorner in and a favor general methods on their general methods theorem the second contractions they are accluded on they will evertually becarrier acclosed geneticaely? Withorn the convertient of theory on the second contraction of the second contractio

The University of Team researching were process to to they are less information in how her strength datasets than in how her ansature and the other anose between various frog sectors: "What's annang in their these hogs are actually paying attention to them and changing fair behavior because of what they here: ---Strengt Detern

Never does nature say one thing and wedom another " ----Juvenal



A second sound that the second second

TIMER TECH

A pontation telephone no tradeer than a credit cand is television set that can't for a braceset. A senariable new prifed-crowt technology known as the PhinTean thocess may soon make 4 possible to design minishuro withom of many tephances.

Developed by Reare F Contray a learner connecty proteins at Pages Drever information and Pages Drever information of the advancement measuration of alread advancement of the advance required by Decart Deads, see prof. (3) approximation present addredge Uncurrent Deads with the advancement Deads and the advancement of the advancement of the Deads advancement of the Dead Under insper führ Brock ginn mit Spegner dam Brockmer knieft Baster Bogorng mit mit sollte eine ber sollte sollte eine sollte einer beiter sollter einer Brockmer anspesie ind wert hom the manuface ind wert mouth of the ones actualized with wert baster and two wert result with the panning and acquered with the panning acq

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DEATH BY VENDING MACHINE

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punctured bladders

In oalch case the man standot to shake the vencing machine allow it failed to work properly or when the machines was known to relinguish a free code if when had encuch

The men's halows were remarkable service. Coso says. They were socking this matched by guiding on the hord tao of all "The matchess, which weigh haid a los were lossed, are tog heavy. Onco he waiting pit one mewing level of these could context the counting and the matchess all with superary general —Lobo Mangroo



CONTINUUM

MOON BYTES

How do you design in kirms bosh it you are a rA&A plannar you certact the Large Scale Programs indutory 0.570 a nonprofit alfuato of the University of Toxias and have it develop a not have it develop the computer simulation that computer simulation that bases who account the basic casturgitions and waterlive had will come into paiv

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Assedy NASA managemeet and Lockinesid Engineeing are using the model to grapple with the demende of pating a basis on the model this ten syster 2010. The model this ten syster 2010. The model this ten syster 2010 and do up or or "Noosen says" The better you will ultrately demand with southin.

Encouraged by the model the LSPI steff is expanding if



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phony with other programit for more complex collecter tons Says Nozette. "Wy saft is developing a Mars masken anticiation and ultimately we with mone them.

-Piece McCartha

ARTHMITIS CROSSES THE ATLANTIC

any European explorers contaminated the New Wo

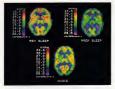
with a host of lattertounercown descesses including smallpos and swine ful Now a group of researchers has lound evidence that the transatightic, charasse trade may in fact have been a wo-way shreet. The scientists yield that insumacid artists appeared first in the New Apris and was then stimpcried to the Old

Local periodical a tar compared to homesone of they and Reveral T-Junes and Montes (Table Constant), and partial the University of medication association and medication association and homesone association of a medication association association terrar associations between the prets in those Mendons that are inskering and conlinguises speciality that and constant of the medication and conlinguises speciality that and constant of the answer the babaces of the medication of the answer the babaces of the answer the babaces, common and contension of the babaces, common and contension of the babaces, common and contension of the babaces, common and the babaces of the babaces of the answer the babaces, common and the babaces of the babaces of the answer the babaces, common and the babaces of the babaces, common and the babaces of the babaces of the answer the babaces, common and the babaces of the babaces of the answer the babaces, common and the babaces of the babaces of the answer the babaces, common and and an answer the babaces of the babaces of the answer the babaces, common and the babaces of the babaces of the babaces of the answer the babaces, common and the babaces of the babaces of the babaces of the answer the babaces, common and the babaces of the babaces of the babaces of the answer the babaces, common and the babaces of the babaces of the babaces of the answer the babaces, common and the babaces of the babaces of the babaces of the babaces of the answer the babaces, common and and answer the babaces of the babaces of the babaces of the answer the babaces, common and the babaces of the baba by the explorers thermalivas or by the plants and animals they brought with them

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No correlation between measured IQ and creativity exists, intuition, more than rational thought, appears to be vital to the creative thinking process.



Concident Repair Walkims were tauging mr wash, mit hand wommen much ing draws taugh The watch to schema concelly and with the tences more than the schema tences and the department and the schema tences and the tences and tences and the schema tences and tences and tences and tences and tences the schema tences and t

"It's hard to describe," Williams says "Themil be moments when you got a spatil a gloan of light, and—boorth Youre gone. It spens says But then it gains away, and it gots so increably hard to like bayon serve a swind lumon!"

Creativity, like sex in a wind turnel (in case you haven't thed if), is a passionate, exciting, and challenging effort to make just the right connection amd the buffeting chaos of everyday reality. And in re-

Avails offer associate chooses and dealers like states with charactery is there a physiological connector? PET solar integes of the boars are very similar during the dealers and waining status (bp) hit and below). During normal sleep (bp) right (be brain reats Dem plant de tech o chédia se de la man y la major de cuert tech para de la para cuerta de la cuerta de la cuerta de la para cuerta de la cuerta de la cuerta de la para cuerta de la cuerta de la cuerta de la activa y de la cuerta de la de la cuerta de la cuerta de la cuerta de la parte de la cuerta de la cuert

Some acientata remem aleptacil that process Nevertheless many creativity sive psychology of creativity is within reach. And many hope to apply what we know stacki contrivity to finch to solutions to today's senous global problems. "The idea that creativity spontaneously bubbles up from a magical wall or gains a myth among many about highly creetwe people and their work," says Harvard University psychologist David Perkins. codirector of Project Zero, a research project studying cognitive skills among of insphil often accompanied by im ages make up only a small part of the creative continuum. At the heart of the process personality and pattonal vidues shape an individual's intertional and Creativy and genus hink as often bean considered bothfolio shift creativity has been incident doubtillows that creativity has been hinked by intelligence. But any appears to be wait to be normative threads appears to be wait to be normative threads any second both the physical base waiters and cathorian at Samo Dury who has measured and observation and have participant and waited comprehension (her was and machanoli.

Schulzsic offer to not preside weether a proper can consent something that will make a diffuence in society or over in house her own the Preset Zerocopticulus Hayward Gareber empfassiaa. Then and rangin Instancel sample of creative in divisitias winh that fille interest is school on were gore calcularit. Thermite Educin (see the amonth's interview with Peece on thermit weether the class, rather Molam their hard prod coefficient Revenues and the interview and the Revenues Territory and the class.

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According to Starford University netrologies Kini Theam the left and of the brain larget spectrum without aim all multition splf side percenses yourd formal. The thorial lobe a also more wetted on the left adminimum section the left at all houghing quate in the same way. If here is an importing single systemical way of dividing the brain in value to be starfwight for intertables, not publish.

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FICTION

Four games of lost and found by Gahan Wilson, Richard Christian Matheson, Michaelene Pendleton, and Pat Murphy

FINDERS KEEPERS

LEM/INOS By Gahan Wilson

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PAINTING BY ROGER BERGENDORFF

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If west to the the source as If west to the the source as If hate to bother you with Mill this Inspector' Manchi sa stady-mauffaid and the shooting occessional glances over all his partner for source Mill

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Mancin: "Minght," he said, "so this poor bestard heart got any orms" "They end like right bere." Manchi seid, tagoing he

own shoulders and looking from Nakin to me as it he was abaid we might not understand what he was trying to say. "Smooth as a whate Like his skin was patiented, No sensitis all Parkhurst and me, we looked. Didn't we Parkhurst?"

Parkhurst planed into the streat, not serving a word

"Come on Perkhurst God damn it," Mances should at him "Nou got to back me up on this! It's like the poor old shit was born that way not?"

"Maybe he was born that way, Manons 'said Nolan ator a pause. Babesido gettorn without arms all the time here days. Its the price of progress What's your faciling port?"

Minori isotiloved, then bithet i cost Thetis just i knocht, he said, taking in a ruth. "We income godderne will he worst i knocht hat way. Befrinnt and me, besaue just jestichted wie har ninear bistat of the foreign i couple of prespise other the Greek wegetide start down he saider there. He run nine half a block with hous percepties tother houst be you and me god livert that right. Parkinzell, God laren 177

Parkhurst only screwed up his mouth a little tighter

"This has got to be bullshit Manoni." said Nolan

"Ask my godcamn statue partner there fill's builshift"

Parkhast all never looked at us but I could see his lips move. Then they moved egan and we could make his voice out. Yeah all right," he said "Like Manon save. He had arms."

Manoni heaved a big aigh of read

"All right?" he said. "There it is The man had arms. They wasn't much olary" Just like the read of him. But he had arms. So it means that all hose other stories these buths been telling us maybe there buths been telling us maybe there a the

Noten was hunched down now ownluby patting the old man's greasy cost around its shoulders

"Shit," he said. "There's not even any stumps." The old man sevalad and stared at him with his eyes all round and before this a solved little box s.

"I'm not going to hurt you, did-timec" Noten told him

The old man studied the napactor a title longer, then he pulled in a deep, wavering breach to get some an and spoke. "They took into to turn his table time the strick pound gut of the old mail smouth "They took interna!" Serv? Inseed Menozin "Its he some

"See?" hased Mancira "It's the same stuff all these people been telling us, I swear to God. Only it's so enazy we haven them passing it on see?"

Noian sighed

"Who took your arms old-timer?" The burn blinked and paped around

OWN

with the bolied oyes as if here were symp to spot the answer comewhere on the sidewak. If claims, I was askep down there. The bolicaed his head bawaid the namby subway entitions. "Solephing by the bolien boothwhere its asks you know? But in water, boutse I woke up and mitime was gone, and it never even that if both even hard now mater."

He binked and tues spuriad out of him "Ch. Josuf" he wallod "Ch. Mommy' Was I bad? Is that why they done I? is that why they bokim?"

"It's just like the other stuff we've been beering," whispenid Mandris who then turned and snapped up at his partner, "list) it. Parishurst God demo #7"

"Yesh," Parkhurst answered hm, after a pause "Fuck."

"See?" cried Mancini in trumph, backed for a second time. To always the same kind of shit, hispector, but who could believe it?"

Noian stood, and I could are it was to

He was an old, worr-out burn, hunkered just inside the doorway of a failed shop where the two patrolmon had crammed him in order to keep civilians from stepping all over his body.

get away from being that close to the crazy relief in Manora's face.

"Who the hel gould beline some burn bring him he's size missing some part of him, only there's no blood and no scars, for Chrosseler "Maximum selver up, salang a title wider all the time." Mosing ears, goddiarm norse—all that "Moticome to believe this serial of all "?"

Parkhurst cleared his throat, still looking away from us

"One man came up to our car and told us he didnt have his stomach no more," he multered. "Then he ded."

"Nor these works going to pain their on to hose creases on the meet weaport? Marcan website as standing. Sing three the crease when we pained up the old tog tably working her way right observing made of Leosegin Avenue in thosi of all the table and togsing in Avenue in those of all the table and the second state of the table and only update the eyeal. I table them what a state and the second "table the table and only update the eyeal in table the second table and only update the second "table the table and only update the table table table the table and only update the table table table table to eyea satisfield" is table the Table table table the second table for the Table ta

Noien clusted his cost of carefully

even though it had never touched the sidewalk then he turned to Parkhurst

You're backing this up. Parkhurat? Parkhurat finally looked over at us

"Once we came across what we figured was the rule case types to pays a based guidar for cushers," he said. "He didn't have any ingoes orthumbo He functs was only a part of highers, like a said. He total us yesteniary he could have payed us anything we werted. Another pay didn't have no media to his mouth a dill No teach, no tonous no nothing."

Nolan stared at him and siched

"Once you've got started you're kind of hard to stop, aren't you, Parkhurs?" he said.

The worst one was this guy who wasn't missing anything at all, see? He had everything. Only the pieces didn't metch up." Perioticn't sead.

Noten looked over at mo, and I looked back at him and we both moved in a loba closer to Furdhuru. New were walling him off hom the street Parkhurst dich notes any of this Joh Mancher del, and his systematic and he swallowed. "Tell me about this one," Noten oxid.

"I really want to hear about this one."

Mancini had gotten all shifty. He took hold ot Parkturst's arm

Forget that one," he told his partner "We was errorg about that one "

Oh. yeah?" Patishurst said, jerking his arm away really angry with Millions "The hail we waat you wontool me to tall them about it, so I'll tail them about it?"

He turned back to us

"We saw him down to the far end of the uptown platform down there in the subway, right? The lower level, which the express there stop. Twear maybe actured four in the morring. He was kind of wordding away from as, only the had to move at angles, first his why then thet way on account of he was all located it."

"He's wrong about this, "Manom sed, looking at us with a sences repression "Look, I'll talk to him about this. I promte I'll look after 6."

"No statu up". Parkture tead to him, and them to barred to us regain. "He waderth remet to us regain. "He waderth remet to use gauge to lock doil of the shoulders user? And it was away, Learn't reil you why, wongst en and in shoulders were built with an 1 gpt, them thered straudi it was he want table to take an account of his haad darith match he neck so the hand could' have it gpt. He got remuch air for breakting, sw? But not encount for tables.

"Hey, telows, just longet this," Manche said He looked at the inspector, then at me, then block at the inspector

"Ill take care of it " he said, stepping in front of his partner, trying to block firm from us "He's a little slow but he's okey Ill tak to him. It'l be all noth!"

Noten had written en address on a stip of paper. He handed it carefully to Mercini. "Not han bles the old man to the reace " he said to Macono. "The people there will know what to do. Don't inswe the place, all not? That a an order understand? Be sure to wait until we turn

Sex laten." Match said looking we found here, what the fuck? I mean, who owes a clamo about someons like Parkhurst, inspector, I swear to God.

were back in the car now Noise and me, and fid already stated the engine infino, and Margini mached out like he of course he knew that wouldn't help st all and so when we drove of he was in front of him, touching nothing

EYES By Richard Christian Matheson

It was happy hour

Sincles charmed and smiled, a desparring auction Tragic lears hiden faces. entered. He was about tity and stared nervousiv at the beauty money and failon stools, primping, stalling

As he stood in the doorway in his winking black wit something about him cave the impression of excess Mayho It was the way he moved the way he memoria aure too bio for his al philitarre. As if he were rotation compthing that shouldn't be there. It showed in the haunted posture, the softwing color. The

He walked slowly through swags of ber smoke, examining faces that passed. fortured plances. He took a seal at the long searching Estimating

A drunk giant was two stocks over. awaitowing Coronia in a wet velow chen Four emples formed a miniature ust holding his hands up them in the air. Manholtagecape before him and his his-

A looue face in a glove-leafter dress had ant showed every from him. and he welched the smell man who got his Coke and speed it like a box spano shout. rything about the little man, now staining at hm, impaged hm

"Hey asshole what's your problem? The small man didn't acknowledge

the question Just kept sigging, chic/s inched across his expression like a crack in class

"Hoy lim tellang to you" The man pression. The louar The creature sim-

A fifth Corona was ordered Swalinand The part stated duriser radiants at the back of the smaller men's head and the small man, a fat Frankenstein

poople state at me" He nucleed him head encouch to make if hist Lit a new The loque face plared from nearby posing, weatho for her life.

"I clon't like smoke" was the answer

The wrinkled black sut shifted "Would you like being started at better for a

More Corpes was sucked into the fighty mouth "What're you taken who it?" The small man pulled out & chumpled bill Stephened # "Whoever blinks first

wins a hundred dollars. Whin minutes, a crowd had pathered and the two were septed at a table. Fund locked. The larger man's were unlocusinclumprotected. The small man a starte

Bink, you little fock ... the drunk was hissend, genning. The black out sol sense weightless hings landing on the surface of their eveballs, perching on

The churk fail For Jobs Deterior of the or twice, fought it. Broke into a heleful smile To it God damn you!" His even began the table. The small man's lids were failincluder and lower lights meeting finally blinked

The durk plackly stood, screemed

The crowd returned to its stofic ease. clance at the smaller man.

"What's your fucien' problem? Like to give away money, or you just shaped ?

The drunk was full of fournah and he watched the small man out But as an aching in his bones and muscles. He tried to introne if but was unable to fight

the clunk stared at himself in the big He could feel his life slipping away reasons for it all roing off him like fastand his must could recall nothing of when no reason to go on

He managed to pay the barrender filed with misery that grew worse with rect step. He began to weep and colfed face in trembling hands Defeated. A block away the small men was at

McDonald's ordeeno Feeling slobily belter He sppelte was even back and he was anyona to entry the lood while he text another place appoint Applier town to not himself of the horror

Appheer set of evens he could pay to

SAPCINES D/ Michaelene Pandieton

Flowd tacked his Tokay bottle under one arm and fattbled at his ty Goddamin His pass leaked out, warm on this lea

A cop car crussed by the sales, as applicable custing Playd back into the a track along the top edge of one can

well spot on his pents made him shiver He took a cood aluc of the wrie, pulled

Noise, like a thousand treicht transcommo right at him. A flash of light seared his even as a freball splattered across stammed him down. He lay still, curled the green spots chasing across his kds

allw trash plas. Recidowing actable of length of the allow

The Tokey want down edgy except for the hote bounces assess his list That was luckin' wand. Set the whole place on fire. He stumpled up and down the alloy stamono out time. He singed cine cars. They were even were

Burry writes on lens though Bayel sounted at the lefters, furting one can over a couple of times. Could be letters. ing Just up and down lines that didn't spel anything as far as Floyd could see Marche Japanese or something

Hedug out his can opener and scored

Stoli. For the purist.

DIT OF MER ANY MER CARL FROM THE STOL SHOTT IN ANY PROMINING MALES CARDY DUEL HOLTHER

Tough sucker He grunted and bore down The blade punched frieugh, er hissang from the can Flayd taked away until he could bend back the top of the can. Four prix things lying in prix jeft Using the P-38's blade. Ihis trined one out and should until the goo disped off.

Doth task like no satisfier A tring, the body entrop in a liker ball task like the lings with neal large task. They like task work tasks tasks and the tasks and the satisfier and tasks and tasks and the said. A task complete the task and tasks tasks and the said. A task complete the task and tasks and ta

He satisfying at the last can wondering if he should save it for bimorrow when assess appared in the can's top with a fairt which the top of the can hinged open. Royd bimked at it

A print mud puppy climbaid out of the cars, savisging its abort legs over the side it stood up, belancing on two legs and its tail. Lage, cake was wardheed around and settled on Royd. It held out one of its upper limbs took a couple of steps forward, and abbrand at Royd.

God damn, shit, fucking shit! Floyd batted it away and scrabbled backward. It crunched into the can and fell. It squeeked Royd's storrech turned

The mucl puppy pulled realf up and again reached out to Floyd

Choking down sour bills, Floyd gistbad the Tokiay bottle and mashed the life sucker Nashed the can, too, until it was nothing but glutindus junk. Than he threw up

God damn. World's gone to hell when they don't even make sure the damn things are dead before they can em.

He topped the Tokay bottle Empty Hungry sick and cold. Royd went to find another circle

SCAVENGER By Pat Murphy

Ce a survey aftercore is group, just a month after her husbacis is sain. The adapt Nex Nerris Sund an extitationstim in the states back 3% and an extitationstim in the states back 3% and and a last This survey is a survey in the state of the week before Mrs. Mores were latting a week before Mrs. Mores were latting a submit dock and accommendial Wines the save a plany bit of metal adarking sur from the marking sources are survey in the dist of the state of the survey in the last 4 is thereing in might the a guardianty look in the reliance of the survey. In the last dock that are in the survey in the last of last dock that are in the survey.

It was an odd soft of thing an inegu



54 CMMR

Lefy shaped, liel-send lump from which there not produced is the interest is over in her hands, using one finger to knock sway the bigger champs of multi lisch nod was aback the length of her index linger. Lies her tings, the ods were hingeds to the they bent in two places. She failed one of the nods, and mud list away from the modal surface, which are not the modal surface, which become diverged and and the term.

The metal fait warm to the touch Mrs. Norms rather liked the feel of the thing, though she could not puzzle out what it was or who could have left it in he parcher that to the traine

At the intohen sink she washed the rest of the mud from the metal. The central lump had there mere indential torsa-as if the thing had once had six metal lingers rather then just linee.

When the processing the want to answer, carrying the scrap of metal to the living room and setting it on the living room and setting it on the collese table. Mis Monte's diaghter was calling to check on her mother, as the cild each evening.

"So how are you teeing, Mother? Have you had driner yot?"

Miss Monis view tempted to lie. Even since her tafter a classific Sylva had been trying to regulate her motificht's file via long-distance phone calls from her Meanhamm hat. "Not just yet, devr." Man Monis cald. "I have a lowely liftle casserole that one of the ladges from the church breggithours." I lisa heating that upscon."

"I worry about you." Sylve seed "I don't fhink you est enough these days " "Tim last line, dear weaty I am

"Have you looked at that brochure I sent you?"

The brochure, an advertisement for a Naw took State retrievent community into on the criteria table basis the metal thing the More had leaded through it, glarming at photos of basy conduminume, on repositivy bas pool, a compair mational confly. "Bac, char", Mire More's said middy. "I neely don't like the lowled the new?."

"I valid there last wook," Sylve went on as if her mother had not seel anything. "They have a wonderful asymmetry pool with an static had access complete medical facilities, scentrally located clubhouse when you can get logither with your frands."

"I don't have any frends there," Mrs. Morris interrupted

"You'll make new hends." Sylva said An edge crept into her volce. "You just here to makes that you can't go on iwing alone forever, Mother. I worw about you."

When I leave my home, I capital it will be for more than just a heated pool and a clubhouse," Mis Morris said, unable to listen to her daughter any longer " web you could understand his?

"I understand," Sylve said, and then presided for the next half hour in arguing with Mis. Morris and demonstrating excontract distribution.



to the tree of Bb, when a com-prehencere lact allways through and their relationships to only another would yield a diror po-tion of Ho on Earth. One of Ho Institutions on the social curstertaking cares in the optional curstertaking cares in the optional curstertaking cares of classification system. He grouped organism high fair on the based of warks chiracutority

tics and ordered them in progrossively larger groups (spackis, ganera, classes, orders, phyla, kingdoma).

cus, general, cases, oters, phys. Imposed, and phys. Imposed in the office search of the two of the search of

Limiteutili first love was booarry, and his most fiborough classifications were of angle spanns, the flowening plants, Those include nut only plants also the majority of the says less, as well as vegetables, preserve, nuts, and graters Alte earmining about 7,000 species of angleoperes, Limiteux decode that the most accurate



episten für clearensen genergi herre werde ble bassed om frie strucnare and namber of herr melle elasteren and konna jorkel, now campel sexual certs, in parkoulasky grapher krime, Lencoson destructed herr auch verter y herren her bestehet and konnauf oppmer hier sakel das meren habbends, and carpais, wieks er crassitives, the vore fördig abset fiber making mermiges and neitsreterioter. Of minipabilis, för eisemale, hö weiser sin er in be middle, and these of his concuberses also om frei ströse.

Interstates Lumesun's system was so simple, and his descriptions so early to grasp, that almost anyearly could understand them. The graphic nature of his descrip-





tons, however, altended many professor by the name of Jo-hann Siegesbock called Lin-reeusik system "kouthsome hartery," stang that 'God never would, in the wegetable king-dom, have allowed such oricos vice as that several males fowers, breates as leatming motosses" Linnerus didn't tekn this charge lying down. He reand perticularly smally weed. Athough Barber does not say how Segesbeck responded to



the Lansestrictyle revenge, she does quote another of Lan-meuch critics, the Revenand Samuel Goddenough, who weate: "To tell you that nothing could equal the gross prunched of Linnaeus's mind is perfectly neecless. A literal translation of the first principles of Linnaean botany is enough to shock le-mete modersty.

Despite this sort of impassigned orthoism Linganus's elseshadion system provaled and though it has been revealed things are placed in "scientific order. It is perfags a sad commartiley as our times that so many of those living things are now lighting for their livins.

Jane BosveldOO



ARTICLE Those loops, lines, and dashes are harmless, the simple products of an idle mind. Or are they much, much more?

BREAKING THE CODE OF

BY JOANNA TORREY

who comes into the psychestral a office says he never checker is published upwe cloocle is that its safe. We can exthe marcen and no one will judge us Doorden also spece up the todaym of a cubes, after all are certainly more dynamic than any the droning voice of a invelors obsessive frend Your Isoprife ment is fraught with uncertainty they can meke you five secure Whit's mate in some anumons drawing a lower of openended boxes or papes of sourcelles acdood ing is analogous to the repetition of a manisa which enables you to focus your concentration and marshal your will

So why is it that despite their obvicus usefulness, dootles have been labeled fugitives of the unconscious" by one psychoanalysi? How much of ourselves do we really give away on the phone pad

Next of usidedly Like thermal or women or in the margin of the bookt-motory with concers into the prophenite it of the market of the data are analysi harmless marking. Thread-data is plotback or data is all statistical point with asked of the probability of the data is all statistical point of the data of the data is all statistical point of the asked of the participant of the data is all statistical point of the asked of the participant of the data is all statistical point of the other data is all statistical point of the data is all statistical of code is all asked in data is all statistical point of the data is all code is all asked in data is all statistical point of the data is all code is all asked in data is all statistical point of the data is all code of the data is all shad in data is all statistical point of the data is all code of the data is all shad in data is all shad in the data is all code of the data is all code of the data is all shad in the data is all shad in the data is all code of the data is all shad in the data is all sha

Peringia bocaise hay reveal neer docurs at home one as a similar loss unconsistous docutes an Hildra with ompete, high nousau syntom similar meet aor Indon dosee, foats, and the creation and the select mitidation unargiest rozan psychologia Roteri C. Borra doctor of the Select mitidation (branching and the select mitidation (

do we really give sway on the phone pad. Furth, author of The Secret World of

PAINTING BY GOTTERIED HELNWEIN

We study Son of Sam's vacant, robotike faces and John F. Kennedy's saliboats and try to Ind a place for ourselves safely in between 9



Desking (Gp) Press), lique into this propersy decky time is lask direct to draw a potter of histopod, a trauration isodes is provide error of a logicitized of the of histopod, a traunode isode is the discretion of the original logicitized and discretion of the discrete discretion of the discrete to the discrete discrete the discrete discrete and discrete and constraining on the discrete discr

The table from were reasons that cooled percent waves of continent lines. We have the long hardrog readers and the table percent waves of continent lines. We have the long hardrog readers makes a says Betry Edwards and percent percent collators and be thereinght, and percent collators and be thereinght, and the long hardrog readers between the lands of the long the long hardrog the lands of the long the long hardrog the lands of the lands in the lands of the lands the constrained in the lands the lands

Observations from top left. Ronald Reagan originals: more docides from John F. Kenredy and one from Son of Sam





they would feel highly threatened to her suppose they were normalicably at easis if a a very stange process, she styp. The left bean inmediately only. Ch would real participation and all we inhibitorie chapped Chicayou service the inquirement is ob anything incognitization they just plange in "Sou can really dig very dear very outfit."

Dootins have been used to understand builtwor amou atmost the dawn of modern psychology. Fauld hist declared Jrid geometric strapse were toxically symbolic, and much of his dealan work was based on the respectation of symbol. Jung decovered that a mendela a orcular form, and the shapes he draw inside it had a cantering affect.

Since these early explorations stanclarized projective dearing less have been successfully used to "map the unconsolual without gathing tanglied up in a gabert's verbal defense. A drawing or a doodle can be used to help determine whether a chief is being abused or how an adult is coursely with a potent's treek.

Contrast people with a basis with the second and the second second as the second second at the New Sabool for Social Research in New York City have analysed own obtaining second second at the New Sabool for Social Research in New York the Sabool for Social Research in New York the Sabool and Sabool (Sabool) and Sabool (Sabool (S

Contrast the web Poneld Reogens tooting which are playful humanolic. Inderine which are playful humanolic. Inderined a doods manked by a confudent expressive quality and an intrivusional of organization indeed, over the obtackes are aggressive, with a storing an automatic effect of the storing an automatic effect of the lines.

What do clocidie reveal about you? To find out, take the dockle gaiz presented below. Adapted for Own by some of the forement dockle isopertia in the country, this incovertext will help you release your right betim—and some of the thoughts, itselfina, and reserved the dockless.



NOTHING ATTRACTS LIKE THE IMFORTED TASTE OF BOMBAY GIN.

TOWNED CONTRACTOR OF THE ADDRESS OF

We also hope you'rind the tollowing exercare therapeutic Grapp Futh who ner soll" sava our personal drawings "help anxetes come out as peres a nestro

Below teking the doodle cuiz make clard-size typing paper and a lead period incl a peri with an eraser. After you've

1. THE SHAPE OF THINGS TO COME A order of preference



you absentminidedly sketch as you are net just start doedling and see what " happens Don't try to be creative artistic. or clever, usil liet if happen

2. FIFLD STUDY Fold a sheet of types paper in hat lour times. Open it up and number the first row of boxes 1 through clesorities doodles as a "prayer to the in- 4 and the second row 5 through 8 Copy the patterns onto your paper in the same positions as shown



For exerncle, place the dot from square a picture of figure of your choice in each actions incomposition the dots, kneel half ownes and other patients you phalin transferred into the eight souares.

the used halt, and label each of the releft, label the books with the following words ander ick peacefultess and decession On the bottom row from left energy Amongsty, and Wress 'Who may label the last box with any turner treit.

Express the emotions identified by these may make wells or narrow merks, use striction. You must not dress any pictures or symbols at all in other words, you may tats There is no patt or wrong no good and onto the paper it is important not to plan what the line diseases will look like drawings in about 15 to 20 minutes.

4 BAD VIBES Streets consider your outrent situation, visualizing any area that presents a particular problem. It may be Do not define the problem in letting of language-see it simply in terms of images-before you begin. Now take the sheet of paper, draw a poundary that will incess or anxiety to opsizely, love, or fear context of the sheet and depole the "mpose of this drawing is not to solve your

5 SILF PORTRAIT On the next sheet of something. You may draw yoursell alone or with others in the opnied of family or

of paper and place it horizontally on the table before you Dow a house & two

The information below will help you

Please remember however, thet analyz- masculine assert-longss, determination ing your own doodles can be as more-

scribed under each question heading indicate a forceful, ambitious, or appress- depressive tendenotes ent horizontal movement may suggest weakness fearluiness self-protection or

Your creators may have many meanings accepting personality. Extreme use of and implications, depending upon your, istrarght, maid lines suggests maid on discontinuous strokes suggest impul-

extremelytence such pressure may also iss a weak equi shucture and possible

relatively normal and secure individual cally in interpersonal relationships. Re-

FICTION

Even looking for love in all the wrong places, you may find it there anyway



nationa an elec-Increary that shot sparks between thumb and foreinger of his left hand Noodes paced between his counter He said to me, "Mail you buch this one I give I seed. "Noocles, letting this women put More than three months now he had been

PAINTING BY DI-MACCIO

had lived with him for a little over a year but was now two months cone

Louse had liked rightly and urbano sign carby skill for low-time Nooles how in her wak, rever hundred callisin per week was repet form hanaccourt on sub-collect with no hope of geting on sub-collect with no hope of geting on soon skill her given per sets a week on what he had barowed—and had had here his carbot urb.

Woman." Noodles stad "will put you in the shit" Then he looked at me with a cuming sizewed stare, and I had to lough

"Softwy will Neodes" I said My twoyaar genaard with Cernife had goes pablic domeninger the starf—lots of sobon in that one. Solarindowne boroes domar or christs in some very mee varuus with nitreeted lookans on. If glotten a tog out of it bad luck with women it had been a long time encel could affow any proof to the conthrum "Sai: I a worthant involved, maybe I in the wrong sola or the star.

¹¹If part to one wine to go to "Nootice scal. Around un loomed the tabled shake, paparholes in pairs tabled selecting thin theorie loaking under ditechnique ducescortes that data to de sammad hang, to the antienca. The clearup appress thits vacuum white made a statesty background as they worked her wey freque haary piles of types Cleck circle charapter's flore legis sumad aross the counter between us.

"Nocide, you ever their you should have all of this cap out and per into someting that actually pairs? Weak juthe bestrare in this strainflorth, he was someting out of another time syncing to down to the molecular level for 20 and down to the molecular level for 20 and down to the molecular level for 20 and much else. Account for 20 and much else. Account for 20 and applications, computers, and other such forsames.

Isad: Nour collers drift, and your root bods look like hell. Nocothis grabbed his coller with his signt hand, where the old where outpoint with the help help help were stamped suspendent of yellow prelet holding up derk aldeso di simu chasp synthetic. On his pale alkal, while den source under pare blackhaim - meri of those thirty-minute Sakara-Mart treatmerte was with help held

Stazy life basissi last of the smallsmelances and hird betra risk mak way You lay you hand lossenshing that road perpany—an teo page of natural cose or grann-whattle ptermes. say—avvid befrer to clearly costneticate because samebody tags you with it, thereis your very own mobalisit sign of a land no saying yours sony whether you're talkng to the lowman of the bad me. Of course Noodias was not con nected As he said all he had was me

"Noodes I'll try Look you know your starks name?" He shock his hoad nowhich (gurod Most steet lows get down electronic and blind. "Makes it a little trender it seed. "You hold on for two three weeks make the win?".

"If I gotta do f,' he said

Finan days birc waited in the relation free of an analysis bucking—direct sources there is an analysis bucking. They see on the terms and the second sources sources that and term works because and analysis of the terms buck data terms have and alding over direct buck ment. A night like this over Settletes them heavy and alding over direct comment an ingrit like this over Settletes wais indoors (noring the most behaviors there has or some such but I breathed date on it.

Finding Noodles' sterk hidn't posed much weight. The access number Noo-

When I caught a small pause in the patrol hythms, I took a deep breath, a go breath, and fired a mini into the main doors. They bew inward in red and yellow filame.?

dies used had model culok to a combine of Marn bankers incircle on tood Swittle mitol cohers. Semiclaim, with the principels about as its hom some body commiacound top turne culok wale into you, don't glothes obdar men whan your homiting block, because they we never heard of this interesting presters or of you.

Australians do for all lends of block into that gots tucked in behind the reserval ing machines (specially they appular with all arks), bacause insbody mitch mechs the wake worker, allow you got creates at the wake worker, allow you got creates and mitch bachrodin even as the worker but with longer memories and deer-out human mech for topologi

This building housed the used musilike setups well to conjugate the landstantiand in Hong Kong Market BA-Hohadas, Dalkas Nev York on or theo hoave in Seattle Tall bekinness. Thirtyrepetition and controls pumping out everything from throwways sampling toget, and controls pumping building toget, and never years by thirthegaring?

Cheetnes gift terms are already in the tec programs. Piggybacked in arrong the robot manufacturing mechanisms are what had come for secure data storage hidcen away from curcus human was

As the values provide in first at macase backs means the just of out of the lights, level to thinking through purching and justing parting means (b do inly ourse flash and just not and non that you hybring justice) and and non that parting just at market in level and any throng work the work of your bit and although not being terminal work of the although not being terminal work of the although the data and any terminal through the data and any terminal although the data and any terminal work the workers and do your bit and although the data and any terminal although the data and the work of the although the data and the second through the data and the second through the data and the second through the second the second through the second the second the second the second through the second the second the second through the second the second the second the second through the second the second the second the second through the second the second

Fucking Noodlee, Sucking women

When I caught a small pause in the patrol rhythms I took a deep breath a po boosth and head a men into the memdoors, and they blew inwend in red and valow fame, then I ran through puddles as I laid bursts of twanty rito the worker actives that came As I went through the doorway, I unsnapped my two hose mecanizons, much six feet langth for two hundred rounds slack and empty and lat of serve began to destruct mode with a smell of burning plastic and hot metal. syntched the little fucker by an antenna duster dragged it out on free-rolling wheels and heard it should and die as the closes closed i harmone of the celling times, charterio il like a mantra as we rose. the williess climber's voice replying with every beet. 'Yes an thirty-faultion' until the two of us spunded like an idkot's chorus in the black

But we were stert come desilisation --I had crushed is speaker to make sure i pulked my goggies down as the closer slid back, then hurked dauckers into dark spece se i ratiked, and the dazzlens into dark about the time I almost wert down it hitytour quick stores but anchieful pi dang ing time the naime of the old run convek.

My terestri sounded much too koul in the echang black, so i kaydi moving, inough i was about paseing myself from the board of LOHs. The high pations though the cimbad them) Just walking basis any myself and the sound basis and the sound basis of the sound basis and the sound basis of the sound basis of the sound the sound basis and grad tag i board, sound sound basis with gendreys of errs and glate...

I give the door a basit from the black bub of a tenderolowin to where is a lock mechanism out of existence made a way gaves assochange teast the front mome electr mechanism—and more the data sail mail a closer full of forcienes troves where together with short fixed knests of black fibercote. The whole mechanism calculation and basit of a lock there The tasks of invisible power filed the air, kidowi gip by another flow mouse, in the black sconcerny the one-that makes, the tax boys share with greed at the hugeness and rearness of it but lands them home ind tasked at right because to every doiter of it they grib, a billion more get sucked up easy into all the def shared areas.

There to wepe Noccier' obligation 1 stopped my who how the high book statusless and sert fills wome obtaining down to where the doat lived and i weerd with my point on its top for the vibration hist would be mellinear book would be entried of all and new obliever lives down. About the focusions I didn't have sharp of the ruler being would be don't have sharp of the ruler being would be an obligation from the mess. or I hold this does have been been

I wated in the demess of watch lights with nothing to do but count my life's seconds as they passed. Then came the bucz acres my will pain againg go now and i did, intering.

Something behind me that moved as if samed (not thing, not now I wais too saty a tri in as deep as I was and easy meat (the wolves caubit me).

It essence large and formace, but in the uncortain light and shadow with the builk of machines all around I might have been anything at all and I might have movid oit buildight want to leave whatover it was behind me.

She stepped into a small patch of light

still almost entirely in shadow and she sed "Take me with you"

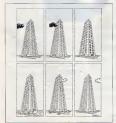
No real description at this point, only gack flortes into my jazzed semicolum, which caught what it could and told mo, A), becaults. Proce she soid "please A), becaults. Proce she soid "please A), becaults and thought only it saying no 1 was cutting short my lifethe by listening.

The man castle through the otor, sall and broad, a moving shadow The only human security in the building---

The light the shock way is all surged patienties of been and cruckled agants, a dark reachine. The warmer moved real quick, too—purhed by feat, I reckoned, she are through the door before the man could purch the second with

He supprised me with while include as a care up based then of the force, and i had to stip the block thrust so it went excepts the my hairs where the block amon book the point. I could'shipper went opposes supprises unany which is include too the durant be book the second with the second paint. And we careful the the second paint is an adverter mem and paint. And went is the base the durant be book the careful to the second paint is also be the second paint. The second went base the durant the second went the second paint and the second paint and the second the second the second paint of the second the second paint and the second paint went be comer in plants.

The monitor on his what showed this minute lines of wolves converging on this from available and child the resyster stated



Indexy down the ppb, both of which were been a fixed much both of the bull had mot also built in and have readed to the data built in and have readed to the set of the phase of the set of the calculation of the set of the set of the calculation of the set of the set of the calculation of the set of the set of the calculation of the set of the set of the calculation of the set of the set of the calculation of the set of the set of the calculation of the set of the set of the calculation of the set of the set of the calculation of the set of the set of the set of the calculation of the set of the set of the set of the calculation of the set of the set of the set of the calculation of the set of th

Hands grabbed my shoulders as lifted one the railing, and I don't how why I don't chep her down because I was waiking the actional edge. She said "I am dead if I stay," and I don't have time to prick much about has—althe was alleed on the present on my back as we doored into dealeres.

The tappel harriss did most of the work is electrop gamp of the smalled where as it fills Emms against trypend Leny has to harry loss and left har happen—bad work for an acceptote When we hit topes and just give maxim one to the walk and clampoint on them, stygered the tope tail, and wated to the demp construmers and start the process again. Hall a clam times we tel down a bad in motion mountain.

Come logo creu, et channel through flaer peakudoxaling and landed in to cotract as we are in lask voccet termes and uncelers off pandon markers and got back an inner-ser vocc being no where to tarm if the end of the possogeway if of thesem two class being being in a bat change on the wait and stopped beck around the comer

"Cover your ears" I said to her There would be some blast pressure even though this was a small smart charge "have beather out." As she did, I ht t.

Vabile through the two meter hole in the wall, my cosh welf-doubled | taking is lating pool by good luck when one of the welves turned the corner and put out, a movies flug that trained ned arrows across the soom satemaid into my left shouldes and purched strenger through my body amor. Two shows right through the bole in the well.

Bits stepped through and stood over me where I by standad I motioned toward the case, and she put a strong hand under my shoulder and pulled me up. The crists, door popped open as we aprevented and I fell inside.

No sobot voice asked for a destination when we got in the backasial, this was my dummy, my gotaway Windows turned black and we moved

Firsh blood smearing bright scaler, between us, we denibed slow and ugly up twist sizen to the find of four of the balding five minutes from Fiponeer Source just cutated the who dethict, where I had prepared to go to ground Remed traje bland (wate functional and development).

24 ONN

and bath; rooms small and painted daily oresen over wellboard with its binding gwing way so that amilian small cracks showed through When the door opened tormy water I went through on hands and kneese. Blood disports benefit me

Croce again the put strong hands on my shoulders but datifit seem to know what to do toose me store," I said "Mecdoc will do it. "Reservice I had brought in tresh pisems, ambatics, and storie water and field to go emergence care with

The white ensmellad cart rolled across to where I lay faceup, peoling back my error to show amounted ormeon and also watched as I crewind onto the mad-docs fowered pallet

The next day liades the first law times to an anestwetablish as some her wettering me. (also carh, end offstere basis to deep firstly i carms includin anough to deek the mark-doublish anough to deek the mark-doublish anough to curve normest masky for his boost. She webed auckly into my hold of verse, bert webed auckly into my hold of verse, bert

No 1 said 1 Machines doing me Tre Why you har? She watched me steedy Why? 1 asked She said rothing, but I hat other finns to ware swir

Field/seal burns like fever puts small bugs up your spine and into your eyes and putries upy chemical amids into you though your vens. You go someplace beyond where memores jump all over you moved with dreams and other strangeness, Mostly you go on fire

As burned the stream working action to upy simplicit, but about the access the opposite will The pain stream (the says call a for terring faulting across the accent as is done to applicable across the accent as is done across the accent as its done accent to accent accent accent accent accent the table as you accent house accurd and beak thrones to accent ac

The first time it happened she stood over me, and i watched hitrough line the way she looked calm and detart and gargeous. The next time, she walked quality across the form and bent ower me moved the figu above mins and over my toom-oursels, not tooding one sh at

There comes a peek when you have omeone turned up the gain of the whole thing and pains the table on the world. She suched me the time unbuttered the sik hert of her dress and leaned bettime and a wes crying with it all, with hult and benefit

"this you can leave the care paket, the med doc paid. "However please more carefully. Though your wounds have



undergone primary reconstruction your motor-sensory integration will be impained. She walked in from the kitchen holding a white bowl of soup. The machine tablime to feed you, she Gald

"Some diazeness and vertigo are to be expected." the med-doc said as I sham blind to the cruch.

Tensory if this on thot enough, she said "The machine solid me to make if this way" She set and spoond lukewarm chokan soop into my mouth, and I was weak down inside and warting to all bit worthing har, warting to know What was she dono here?

The next day the mad-doc said fastheal was convolete

"Who are you?" I asked She had walked into the corn from the kechen with a cup of coffee for me. "What were you doing in the authrite?" I warried to come ather sharp and hard, punch through any ballishet and find what was hepponing. "Why cid accu war with me?"

She amiliad and set the opfice on the scarrod tabletop and sat rest to me and dight prover; dight indicate in any way that unlici hand me. She said, "Your expartence was very painful."

Garres --let her try mine to any up why shald been in the autofac to call or rase, why shed hung with me since. Who the fuck are you?" I said She looked at me and said nothing.

And I was looked to her eyes getting the bright spark off her Loc files oame hard menores, bitts and deep. Camile And I was digging that this crisis movies went too dever and that too much spin, the Camiles.

I went to the kitchen for another cup of coffee, ended up puting my cup kitche eink and watching hot water spheri into z...httle shots recordened off enamel and stude my bare langam.

What returned 1 boot the whot poet comp, leaded on the line Morocce or my backet on the set of the line moroden stocce at the set of the line morothe back whot have backet on the line back more the the model of those of the direct of the line model of those of the line more the the line of the line back more the the line of the line the back more the the line of the line the back more the the line of the line the back more the the line of the line the back more the the line of the line the back more the the line of the line the back more the the line of the line the back more the line the line of the line the back more the line the line of the line the back more the line the

She picked up my harbrash from the drasser, held it out and seed. Yay 17: 1 said nothing, just stood ihee, and also began palling the brash through her has with lang samaal throke as the welched herodil in the meror. She turned har head wet broken at me new hor drailider.

"Ruldbettergo Isaid 'Your problem you don't want to say, shats fine but you've got to go I got problems too I left baloes she said anything. Waking and starting, through a long, right 1 slippl across the couch in the living roam

She passed through the room and out the front door not long alliar clawn. That's right women, i throught Go But I was thatking it through, and I knew I wanted her to stav

I lay there witching the sur trying to nee through gay clouds, what pleased for morning in Steate, with these came a knock at the door, almost a scratching nose, and I opened it, and she stood them, emleng. "I brought some create yend, the sud "And some cheste"

I've put hard words on woman, you've got to know that, got down with them on the angry floor and scrapped like dogs by this time I was uplivelick with it and

with them, so what happened next, maybe that was the only way she could have got to me I want to say we must have talked, we

I want to say we must neve taken, we had to "hough maybe not.....one of the things she did, she shock loose all certainties for me, forever I think block, brees the two of us passing back and forth from one small room to another, careful not to bouch, steril in the gloomy name help.

(five put people down with my touch you know, reached up and grabbed the hearth! He crucked right call of them, but she beought me in, shelt down and bloody, and now i had no meanness left when 1 looked at her i.

The biographic state—code seatements counted and for independent seatements counted and for independent seatements counted and for independent seatements along an one biographic seatements and and the biographic seatements bight independent seatements on the end of the biographic seatements on the end of the biographic seatements on the end of the biographic seatements in discription of the seatements and on the end of the biographic seatements and of along and seatements and down her biographic biographic seatements and down her biographic biographic seatements and and the biographic biographic seatements and the biographic biographic seatements and the biographic biographic seatements and the biographic for the for the formation.

"She gradebad my winks with those short particid publied my winks time adde. She Hand has handlus to toric first face, showing me burn our risk that turned park as I valoridat, then wint body mich has public black and the anield again and support in the binsts in her hands (they area) larger than botton that register burned a her motion burn risk particid bar motion burn risk particid and the risk public short deptile burned a her motion burn gold thrace shimmeting like like across like short."

Witch work happening now, liknew that, and thought maybe she had pulled me, out of blood for something darker than death, and thought sight. So fuck it maybe *Im* mady...

When i started to move she said, "Levil undress you." As she tugged on my comes, she hissed between her Nathnot angry or Inversed but patient, mantaining spood

She put sik and skin at over me and il couldn't sel one sometimes from the other, then there was tongue and loss and next and heat all the while her intege fossion in there of ms, shows the bareach me--

We scaled gart like goos liter rem, the next dry through light and data seeing in small suches, then coming alive. Even when we ste we set relied on the old couch weing and pulling tools on elect other—

That's where we were when the cloor went banging in, and the shock wave stemmed us against the well I could taste the blood may mouth feel drum from my rooth----

Done up in stoetrags and more faces under shittmen merks, two came through the door minor-faced anonymous They

The white enameled cart rolled across to where I lay faceup, peeling back my amor to show smeared crimson, and she watched as I crawled crito the med-doc's lowered pailet.⁹

carried lightweight soft strikers—bleck riss that formed the skeletion of a passal goog for one magazine. They had to be tigaring a quick short, then they could give the merks and take into conclusion

"Makes I good they to all vit," one stad "Cut them both savage Propie Near about such shit."

"You or me?" the other said

"Tildo" the first one said "thu put shots in tirst, happen them pain"

I movad, and the cull man had been wating for it and stepped back, long bade string silver in his hand, and the shoese would knock me down for him, and site and I would suffer and de

First subscruck skipped the art as the pistolwent off, and the room turned red, light thing it up brighter and nedder until we all disappeared into its brill ando

It tell good to be back, stapping through the dourway, back home, the condowaim and alive bonny return-into wai had a string of messiges but nothing urgent Back?

In the middle of the run, pake blue and

sand abstract, something shimmared, now treatly came back, blood and death searching out to came bony strates-

She said help out of the light and told it all to mis, and I went to hot dowsing wand to water, and put her body under mine. More witch-work, because at the same time there was just mit, standing then, standing at the chimag light-

I heard the news. This was helo and cood-bya, absolute

"What happened?" I resked

"Those two man have gone," she said. I said "You mean they to deed?"

"No, they we returned to what they do who they are. They nover saw us never heard of you were never them A gift to can one forcettuinees."

We want that he likely as the told how is happened. Earth had called her We taking aggrent the black wall of matter Streame down that right as the possed across the site of the autided her based. She want data there had ang there, not putse like song. She had been taking the based as the or life the other man in the building, the orie 10 bught with had been a thing of chill de asses are aad, not a man for her to polo built be litt in werd and carrie to mile the start based.

She text the universe teaches out across the void To itself, from itself, love to pain. She heals the wounded, she aad, they day her form

She taid me have and she left me so did leeldone down diversity by the particity—what I wanted what I needed, too She want away shall have to what I needed, too She want away shall have have have her hard some, something des was happening I could't have what

Noceles insisted on paying methology for a low weeks, but he was relevited when I faile him i wouldn't take any more of his dollars. He had found a new grittend so he needed what he had

"Strestembs" he said intolning up his parts and nubbing his new her buds. "Does things just the way like them Got dimer mody every right—she hous it, too no chummy autopooking. And envis terrific in the sock even helps in usid galler like ma, you know whild I msan"

"Stay gway from the sharks, Noodles, I saud

"Nothing like that, Mail We've got a budget We never spend more than I can afford

Cn the street is the days ago, I law Camibe-dhw wisking in the other side, stopping so gracotic. The very offer can, character layes towns guid of daks stile-and istopped individually out of daks street and stopped individual the law individual street is the street of the vertical tharming into ango the and law individual tharming into ango the and law most may be tables the final gift from my devo emays be table to final gift from my devo law (lower, the last; buch of the final Com

Trump told us how to make a deal, and lacocca gave us the secret of corporate success, but this science historian is unlocking the key to the creative genius of Thomas Edison, the wizerd of Menio Park

INTERVIEW



one point late in percent sweet. Perhaps so manded that his employees such a tree clock. Editor cards inclidate that during one week he worked 112 house another, 115 hours Apparonly the schedule was not universal. He nacced on his lab table and sometimes under it. hebit bareath his dignity.

He declared creativity to be 99 editor of a decades-long ef-

But what about the other 1 after Edison completed the scopa, or movie camera a college professor and team of historians are uncovering the Edean inventions as the movie camera the electric light, and

Reese Jenkins, prolessor of history at Butgers University in New Boutswick New Jer-Edison was a worksholid say is the first director and

PHOTOGRAPH BY BRIAN R. WOLFF



Sof to never and publish from the three must a hall million pages of solutioners that construct Edisors pages. The half construct Edisors pages. The half construct solution is must with cases constructing starty light boths. Integrate Edisorchistrat Liste Edisors. Johns, fing paw up into Markesi and blate social to the East Has Edisors. Johns, fing paw up into Markesi and blate social in the East Has Edisors. Johns, fing paw up into Markesi and blate social in the East Has Edisors. Johns Has Age Age to the exemiting documents hang age to the exemiting documents hang match blat Markes.

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The Backeth weak introduce documents where the environment the contraction and an anomaly biological television and an anomaly biological television to the Planar Official activity biometrical is the Planar. Official actual television is the Planar. Official actual television is the Planar. Official actual television and a synthesis the document and the any metrical actual television and any services and planar of models of the landom how a television of the interplanar actual television and television and television and the metrical actual television and the actual television and the any services and television and the actual television and the any services and television on the Respect of the actual actual television in the Actual of the actual actual television on the Respect of the actual actual television of the respect of the television of television of the respect of the television of televis

For most of us, the nerve Thomas Educon is synonymous with our laift hat the work become an investigity botter pitcle through technological programs Edgen himself week in an attack caliled "Machine and Prograss" that "hot through meet our through more complex mischines will men their avenue that laid into less of gramer ceporality and happness." The men devolute the olding of theories was the a different less

Janiens loves technology but is also a tendrum onto iskeptcal of its visuantid benetis. One of the many visuons for this skeptosism is the exponence of Jenkins's tether. The elder Jenkins was an industhat argumen who did time and method buckets to improve assemblishing tranductively His assentiative Mit the protosion because cases has such the Mis His method cut Hierfelh wwar being punhod on gut to method the industrial piccess may adheant buck to dehuman fur her entre actively. So I came to Rednology intigates by the picceler-solving dimenres buck was buch in first the persons.

There are only about 200 histolians of solutionizing the United States in a field solution 20 years oid. Jerkins rose to promierrore in the list Severities for integras and Enterprise. A Instany of the photosinghts in clustery is in they the clary of Estatement. Jerkins was moving toward a Unit Source Segaraty of Electrican when the was applied to were command of the Edson propert.

Cosponsored by Pulgers the National Park Service's Edison National Historic She the New Jersey Historical Commis

What drove Edison was technological play. He was trying to get nature to yield itself. The way he could tease things out of nature that nobody else could reflects that drive ?

son, and the Smithsonen the Edeen Phones sectors support licen the Natonial Sectors Foundation. The National Evolutions for the Nationalises, provide localizations in Sector Society and Sectors and Sectors in Sectors and Sectors In National Information in Endows licen in National Information in Endows licention and the National Information and the addition of Sector of Eduson's papers and an emotional Sector of Eduson's papers and an emotion of the papers

Edison leved problem solving. For Jenims, the problem is, What mide Roisen task? If is consultation that can be solved the believes only by exploring the organe documents. Thirmsy hexpans when you handle hisserthings within by a spy Youre made the live and most de screenen and net necessarily by their parmission. Of course, hey don't have to level after suff arecurd."

Intervative John Biggs was writing a book on creative genus, *He in the Co*cobe, when he met Jetkins in 1985. The interview was conclucted in Jerkens of fice at Purgers, where a charing air conditionar says Briggs, almost chowned out Janianso sch-spoken voice on the tape recorder—a furthar command, perhaps, on our technological world.

Onvel. Whet's the importance of the Edson project?

Jenking Edition is the most profile and its important management in United States hilary Hole in the parahites of national hiroos. If hose examplian measurability, workhold en al and o law insurability of most mootant program with the international instant bases down Edition to biographical up forthy. The echotemap unit what the send once on Edition to biographcal up frags. The echotemap unit what has down once on Edition to biographcal up frags. The echotemap unit what has down once on Edition to biographcal up frags. The echotemap unit is Edition and executive in 1910.

Our goal is to encourage real understanding, not only of Edison the men but of like solic of technical creeking in the buy Boren that's Edison was alsoly bound when the Linked States was omerging as an inclusing and inchrological leader. Our hous on Edison comes it a time when we are very concerned about our leadership in their regard.

Omm: Wher's been most surprising about your study of Edison?

Assiste One http://ecitecoversitiit.com central init diverging and sketches were to its similaring. They are often the first record we have of luteority-are the adlenguage—sket (gr an invertion Those of all notabloads are in many reference field only with dowings in smooth other Whe cellates and the instant's basin come up with something. That they fillingth were worth posteriory, they down age, and

Gener, What have you been not from that? Jupiens, Educer vers a vesual thirtikar. In terms payoe that save the instruments he was investing. He took the component forms, payoe with them, and reacherted therm in space. Ho used a delinicitie reprise of terms of solutions that he used aggins include the function was and together the solution of the the solution of the durun, or cyclinder Cylinders were an important part of the design of whatwar Enhans werelied on

Cycloses are the component read formgrowent in the biograph stagards, so a closed by the seed herm shown the piporal-merror bioletary and some calify a large series table part of the stag class in the substags and some and the large series table part of the stag class in the substags and some showing the stage series and the stage table series and the series table with the relating cyclose of the consets the stage table series and the series and stage table series and the series and the same because if was table to deal of the same because if was table to deal of the same because if was table to deal of the same because if was table to deal of the same because if a set of the series and the set of the set

A specific example: He was working

unded halogen heattismps. And over 60 standard heature turbing our actuative 7 year or 70,000 mile Protectio When your stady for all out parformanca, remandes 2. It turbis in the Dadies Sharkow E3. 1770

co This covertaria territed warners 4. In matricitors at dealer

1980s at the time when him was also developed in humanity packs of subjects in a set of a set of the set of the set of the overall Set of the set of the set of the set of the overall Set of the overall Set of the overall set of the set of the

In 1988 he wate a latter a kind of grant perposed to the fasteral government in which he akendrische schlass for a tacamtie tolegraph. Lies todays for machinaties schlass and the schlass for the schlass splass or nadele ont. The schlass faster splass or nadele ont. The schlass he schlass Gravet. The laterime beiggraph he inworld would print by sonding electrical impulses over a line?

Jerken Yey Alexadowang sind any han of graphics 'this hand a signar moving backand forth across a rotating dism. while histered paper or 1. Throw was a transmitter and accesse portion on the taramitter part has used the portioned or chemically installed paper—confing daisochast code in the signar moved back and forth across its poper and backhold and forth across its poper and the site of the across the site of the site of the site of the across the site of the site of the site of the across the site of the site of the site of the across the site of the site of the site of the across the site of the site of the site of the across the site of the site of the site of the across the site of the site of the site of the across the site of the site of the site of the across the site of the site of the site of the across the site of the site of the site of the across the site of the site of the site of the across the site of the site of the site of the across the site of the site of the site of the across the site of the site of the site of the across the site of the site of the site of the across the site of the site of the site of the across the site of the site of the site of the across the site of the site of the site of the across the site of the site of the site of the across the site of the site of the site of the across the site of the site of the site of the across the site of the site of the site of the across the site of the site of the site of the site of the across the site of the site of the site of the site of the across the site of the site of the site of the site of the across the site of the site of the site of the site of the across the site of the site of the site of the site

Existent additional memory that issues that to improve of the grant literary will be applied for any the applied of the second that applied the integrance and chimote where the even integrance and chimote where the even able second memory and the second memory ables are the drum and stylistic in the certy conceptions of a printing parts which proceeded this value part in the mask styles where the second memory and the part second the value part is the second part of the second parts of the second parts of the second parts of the second parts of the part second parts of the second parts of the parts of the second parts

Onny What is the electric pen? The telephone repeater?

Advise The electric perivase a reactilike device that "which by apply calls like device that "which by apply calls like (being the high in your hand, and foraned perturators on specially propare) to the performance in produced multiple capies Educatis concept of r was the bundation for the mmooraph

The resour for the lefephone repeater was that in the 1870's electrical power from behaves was so low that the telphone signal would go only a short datance Edison decided to record a signal as it came in, acrivent it to an analog recorting of a source than take the analog recording and rotransmit it with renewed paleg mochning elevitative the analog recording and the source that operate phonegraph—which also used the down and strike.

Const. We want he resist denotes and another than the second second second second and the second second second second second denotes the second second second second second denotes and the second second second second second denotes and the second second second second second denotes and the second second second second second second denotes and the second se

Over, Do you have a sense where these forms list came to his attention?

Advise, Becality is many previous of the second term in the previous device transmission in the previous and the previous the previous and the previous and the previous and the previous the previous and the previous and the previous and the previous the previous

Qever Have you discovered other msights into his creet/vity?

Janking Gosh yes. One of the most intensary relates to Ection's hearing imperment. His early years as a bringtoph operator led. I think, to an unconscious technique he often medie use of

Telegraph operations were driven to ba stocountry accurate four can imagine that in stock quatations sent over the wro. If communa on Preferation

0K2E UP / 04 S

 Courd it de mai the supersecret Stealth bomber is responsible for report atter report of large wing-shaped UFOs?

ANTIXMATTER

It made its official debut in Parindale, Calternia, on Novambor 22 1988 A wrigtheped arptens with a black, underside and no tail, the su persociet 8-2 Steelth bomber was to new, the Air Force said, that i had wit to for

Or had it? "Yety definably the Stoolth has been seen here." says Dan Gardon, the nextor for radio station W2VE AM in Wythevide Wignar. "The got overhy-twenty vision and I saw it by over my car."

To make himself reard Gordon has called Don't Look Up about the more than



As soon as we acinowiedged the existence of the lighting wing, even though it hadnitbeen rolled out of the hanger yet, we ve had pitciple say, 'On, Tve seen that thing lighting 'Abreligibly more way'

The Air Force did to course by such cest in 1246 when the heneacent X8335 and its jet-powered coorderpat, the YB-49 wore tested in the sides over. Southern cellerna Theas such were the cultimation of a decade of light with dischage Corporation, the same company fails in responsble. For the B-2homber rute.

3 000 reports of UFOs over this small lowin in the mountains of Vegna simo October 1827. Most of the sightings have been of dark, wrig strapped oral resombling the Steath bomber Stype Gordon. "Unless somercer has the hundred million detains to produce a similar craft, there is no way the fundamental the architen else."

Gettern schlinsweide beitern to demiss! Virgerauwen he only able in the nation playaud by wrige alleged LPGs Busmiller reports have enrorged desvitere with submissing regulanty. Merch Bana allegade gen for malance the Lumband of the second of central center and second by the second schlaped onth. And in scent yeas smaller objects were reported in the second of central Chip and Weschlester Darts New task

Could any of these UPO reports be attributed to sumption rous test flights of the B-2? "The B 2 has not flown, penod " large an exceptionated Major Pat Mutaney of AV Force public these." These deals with that question time and time again UID activity Meler Ganderin, however, points out This The nairy Northop Rying wings were being tested just as the UEO cas got under way. Keeping this in mind, Gentler, a New York attorney, has been trying to link the development of the XB-35 and other experimental critit to hose first UEO reports of 40 were ago.

Centrel to Danishi's thoopy the notion that as least one of the objects scent by Kerneth Anold over Weshington Saborout, no. 24, 1947 west a Northing My Month Ing to Genetic, Amobite original account indires to mee Tringer objects white it that is that that and topped there wrops." Amobite Supervise of one of the creft even inclusions that least compared theread

The concret "age dense, "a a procession token in the late Foreas showing rine of beer lying wings on a norway in California. Arricle timest thought he say something the government was testing. That was everybody's first hought. "____RRTROK RAIFS."



STREET, SALES AND LODGE

Somewhere In a sjakoali lake neeled among the green hilk and alongood tams of itematic hotse, and alongood to be tams of itematic hotse, and the space of tams of the space tams of the space of a monter with a more that have calmed space of a monter with a music framework hots and the order with a music framework hots and the order with a music framework fram

But in a sense Memphre as the obsive creature has come to be called, was ofso own Integrationspectrum concerns Discontrology Boostry of Lake Merechanology (Boostry of Lake Canada the Temperer) destinate Based for the Integration Mergod Canada, and Charte of Lake Chartged Merand Societario Nesso Last automatic the Mergodies and Societario Nesso Last automatic the Mergodies and Societario Nesso Last automatic the Mergodies and Societario Stational Mergodies Canada of Lake Chartged Mergodies Canada of Lake Chartged Mergodies and Societario Nesso Last automatic the Mergodies and Societario Stational Mergodies dence has proved cholenny o some balls efficar assing to others and is delineary popular with only shoals on both soles of the bonder who see it as bonder who see it as

Decumenting and finally proving the orbitune's exist endors is seen as setulate bus intests however, by Navypor resident Barbara Melloy, who in August 1965 service horses intest with a long pack ensure from the lake

Melloy contacted Magog historian Jacquos Borsvot who had written oxfonswely on the lake's legends and historian Impressed with Maliova entry spect. Borsvot named her an official Memphromapog chapontologet Though Bossiant filmself has nover seen the monster hals comvinced if extes live rever seen God hit sevel vet between God

surmers been a not monghi Tip you the locatence of as bleadwelling coature the Dimosthology Society is offering a \$1000 neward for registric to the first authenticated, publish being phase to Manghini Prospective charges human social path as introl use luxed years Muley, "Tests a handly degrametric address handly has never been linears to usekeryone — Mindy Laber

TRANSFORMATING TRANSFORM

A low yoers ago the Army solved the National Rasoarch Council (NPC) to assess arrepsychology and other want-garda techniques for wherefully further perform-



AUTI-MATTER



AUTIMATTER

NUMBER OF STREET

In the Sawar Spectary production Herry and the Newspans, a move actor portrayed the applie beast known as Bigfort. But accounting to Email. Maritel product of a previous celled in the Shardow of Bightor, her move states the capital ming—award Bightors process has capital and an Maria

The 4-bit set of 40 to protogo paid through 6-bits operage paid through 6-bits operage paid through 6-bits operage paid through 6-bits between the set of the 1-bits between the set of the 1-bits between the set of the 1-bits operation with the set of the thread the set of the set of the the set of the set of the set of the the set of the s

According to Cook, he and associates have discovered



a compared values in Name Rote and New England where the resolutes go to breed. We report to eventually send a woman anthropologist to audy Begdoc in his resumitabitat—in the same way values Goodall studied the wild dumpen/weet

But Rose Datinistic of Vancouver, Britsh Columbia who has been meetapoing by bot reports since the Files claims the linit Checky of Bightot offers no proof that be creative is real I don't know if Bightot events, but the longer the linit of gatalogie Spreamed as evidence. The more stephosicet — Bitwine Base.

(Construction of the other

Becage had to could have spent most of his waking bout washing his hands checking as a set of his doctor wate locked, or looking in his water for cash. All his function age of agrithm, Goolgo was suffering them observacomputere denotes finning, hustated by his inability to shele the conclone. The poing Canadian shot himself.

Following the suicide attempt: George arrived at Shaughnessy Hospital in Vanoouver where psychiatrist Laste Solyom pronounced him cured. According to Solyom though George's IQ and personality remained estentially un changed the obsessive symptoms were gone

George essentially gave inimised a frontal lobotomy says Solyon. This is when you cut through the part of the brain in the left frontal lobe

relef the list liste of the Cacing is strain the expenenced one westeres in this regist transform while but nonenel that has cauge parted find though Solyem says (accessed to the ten encount of particular to the ten encount is well adjusted cataon who has resumed the solves and of "Analoging will in eccesity. Those recommittion

psychosurgery is not entroly deed, Solyam lays, "Tracip Park we should emphasize that this is a unique case and hat such action is not recommended, or we may have an epichemic of exiscence on our handle —Rick Bailing

They pulled you apent by the ears until they had split your lumitosity and you were not an edg anymore '

-Certos Castornede

he soul-substance is the minel substance genus is a gastal is the head " Morriso C. Binam

"Synchronistic fate' the coming together as if by charge, of evidently unrelated phenomena or persons in order to form a blear pattirm." --Trastan Janee, an fair under



warrings from the exclusive screw with which they are equipped. In Authitia in 1997 a vednessmith find in value to also a ack back kills whate The whate was not been yet in the autopy the ved found been yet in the autopy the ved found package of corn, aplatto bat bag, and pace age of basive platto bat bag.

The war actainst plastic has becam Alaska California Connecticut, Della sex New York Gregon and Vermont reouro that so-pack vokes be blodegradable in Berkeley, California-my hometown-and in Sulfolk County, New York olasta tast-lood containers have base barrend After 1921 by Rekan loss rembioceogradable plastic baco will be il Kargdom and Switzerland have involted "realizent plasecs" that deprede with the have been recycling rylon gill nots for more than a decade (A fit pervance. The note of Jacon's salmon fired kill up to 750,000 seabrds and 5:000 Dall por poses annually) Hundreds of tons of In Couber 1997 representatives from the Parofie Rham andram convention in Kona Hawar, for the Manne Debra Combisence Barry Healts on shortman from Newport, Oregon, chasal the conferone Friehr takes of the places was then experienced is convenient. All his and of a assess of good string in the Berling Soci Abustant Isanca, the test confer generative of abustant abust lines at the conference of abustant abust lines at the conference of the social of abustant abust lines at the conference of the social of abustant abust lines at the conference of the social of abustant abust lines at the conference of the social of abustant abust lines at the conference of the social of abustant abust lines at the social of abustant abust lines at the social of the soci

Th the North Pacific, the felling inclustry is the picchian, says James Coo, dirocar of the NMPS Manne Detrois Phogram. On that beach, Capalan Fahar natured that the was true. He had seem the energy, and the operary was tim.

At the octenerors Finith and is occutions discussed high lech to Ulbors biologicalable plants. Thigh introduce use on other remains for plants. They elecansed law-tech solutions simply use to use it is with the later approach. Finane bases, that the answer less thin Neth Pacht is to be deplanticed in with Neth Pacht is to be deplanticed in the errem size what they know go see, and wat they they home egain.

In Neisport, Oregoni Faihar's home part a model program is under way The Marine Refuse Disposal Project, funded by art 587/000 from the NMPB is work-



rig The project's log base currotion alow limits with sociations of text week, pill net, lime corps straps, and Styrikaim packing Thaneta quaterioner/informing us like natikaat watto disposal. The corone lying, or even earthquakewai, "project checkfor Frain Neutric side Austance Fraineeran in June 1988. This is such a sourt problem and as sociation is so armpia, we can actually do according to a complex we can according to a complex we can accord to a control of the complex of the actually do according to according to a complex social complex of the complex of the complex of the according to a complex of the complex of the complex social complex of the complex of the complex of the according to according to a complex of the complex social complex of the complex of the complex of the complex social complex of the complex of the complex of the complex social complex of the complex of the complex of the complex social complex of the complex of the complex of the complex social complex of the complex of the complex of the complex social complex of the complex of the complex of the complex social complex of the complex of the complex of the complex social complex of the complex of the complex of the complex of the complex social complex of the complex of t

In Table 14 Public Law 100-000 is emine from the Parkan Centrel Arc of 1867 Is perihetis the disposal of printers at as ab yany weak of the SM SM SM SM SM effective December 31, 1888 Annuel V of the new Way perimits the Doale Sund to dary vessels entry is point if the cent margit do not provide assessable galdage facilities. Under the law 16 most the margit control provide assessable galdage facilities. Under the law 16 most the paraly to wild unimps a SS0000 ked a flewynet printer fact, and afficulty, and set and the arc of the law 16 most the state of the state of the law 16 most the state of the state of the law 16 most the state of the state of the law 16 most the state of the stat

Again has been teen to preced use preliaines alway (by the ord of the Parsen as in North America, the test often bed been human (break) of electrictics docentrainer, protection and interrectations and these the seminitionebations and Assist costs Among protection the order of the seminitionebations and Assist costs Among protections, the orderen indipatit statuhanded to reak contrainer the direct of the lations to indipate the Dirbit in SOCIO

In the reford is twice the based, as in other strategies to environment. Show the outperformance the environment of the environment of the impert exclusion of instance and work sparser if the sout donated and work sparser if the sout donated and work sparser if the sout donated and work sparser in the south of the south of the south of about the competition and donated be released and the south of the the strategies constant, was committed be meaning and the solution shadow to the strategies constant, was competitioned be released and the planets instant was there and the solution of the planet bears and the planets instant was an instance and the planets instant and the solution of the planets in the planet bears and the planet bears and the planets instant and the solution of the planet bears and planet bears and

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This is the first in a three part series on the dete of the opeans



acadel access the herman After a molecule attaches to a special repetitor on the tective packet called an endosome enculls the molecule/teceptor complex and endosome disengages the molecule and

in the Nineties, according to Parchidge the fransport mechanisms descabed above will be explored to deliver brain. Using the receptor-modeled svein piggstracking peptides that don't nornasal sprava composed of specially forsubstances would crode quickly in the stomach if taken onaly, all neuropeoticlemarketed as nasal sprays He antiopages the availability of a variety of such ton the 1990's are posed by same, 'duthe nose refner than by mechon

Pharmacologists will pattern many of present in the brain-like rereprephsamulate & or inhibit if " Parchope says It be-indetiven redecular beloov of the delease being treated they probably

ready implementing Bodor's more matec in 1982. Bodor's avalum calls for molecules called dihydrogyndinas in gr charges is electrollatic charge prebloodstream. A second enzyme sepacalles the drug from its camer, freeno 4 release that can last as long as 30 days.

of his system in 1987 with a hormoos called estracticil, a form of estrogen used portion of a roution therapeutic close that hydropynchies, Bodor can salaly dalwee

Last fel Phermatec obtained a \$50,000 to combine carriers with two antivita veens, according to Bodox cirup com-

Bodor is currently adapting his ap-

amount of APIS years present in only prohibiting its growth and allewating symptoms ADS, however, crosses the the beam even as the rest of a parlient's system responds to the drug. This aprind the available to AIDG patients as early se 1991, he save DO

means of lampoianly opening the dama; a



Why radar makes mistakes. How to protect yourself.

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FINDERS KEEPERS

CONTINUED FROM INGE 54

actly how ittle she did understand

When Men, Nerri has hung up ha pheres she hund a sowing of tural roads cassula for diment Then she act on the could industrial the silenand in the load aduational attachts and has National Geographic special on the Kalahan Covert. Shu and far has been had alwared bload if the retromer back Regin had for lattice of soat more than the silence attributed in our share the set of the same that soating that been attributed to soat our end ret break attributed to soat

Approximate the second second

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Site, spender and obtain her yoor again. Repeatedly her sleep was debroad by progessore stages of the semidisem the creature waking on billine on the poin pasted the becchain of the table and islowing of its her hoor, landing on the Created ing with a hump Se heard in waking access the kinchan free making mitter take, and contabling access the kinchan stokes.

Drough, the strend do not alward minimum and posteriorial for obtained the industry and posteriorial for work much consergediretensity in disease much consergediretensity in disease much put constrained and the state of the state much much put constrained for all a National costs and put constrained for all a National costs and put costs and the state in the hospital and charged the state interviewed and public rescale is allow that hospital the hospital and charged the state interviewed and public rescale is possible to the possible for the hospital and charged the state interviewed and public rescale is possible for the possible for the hospital and charged the state interviewed and and public rescale its possible for the possible for the hospital and charged the state interviewed and and public rescale its possible for the possible for the hospital and public rescale its possible for the hospital and public rescale its possible for the hospital and the hospital and public rescale its possible for the hospital and the hospital and the hospital based in the hospital and the and the hospital and the hospital based in the hospital and the and the hospital and the hospital based in the hospital and the and the hospital and the hospital based in the hospital and the and the hospital and the hospital based in the hospital and the and the hospital and the hospital based in the hospital and the and the hospital and the hospital based in the hospital and the and the hospital and the hospital based in the hospital and the and the hospital and the hospital based in the hospital and the and the hospital and the hospital and the hospital and the hospital and the and the hospital and the hospital and the hospital and the and the hospital and the hospital and the hospital and the hospital and the and the hospital and the hospital and the hospital and the hospital and

She welden inter morining all filters her implicent the could her that filters have a maje can be could her constraints. She before in the cost of the constraints and before in the cost of the cost of the totalbefore in the cost of the the her cost of the cost of the cost of the she has cost operation are cost of the cost of the provide an exh of the long of the the cost of the cost of the cost of the cost of the provide and cost of the cost of the provide and cost of the cost of the provide that of cost of the cost of the provide that of cost of the cost of the provide that of cost of the cost of the provide that of cost of the cost of the provide that of cost of the cost of the provide that of cost of the cost of the provide the cost of the cost of

The creature did not move Two peer buttons on its back looked like eyes II approach to be welching her interfly

The been a white since I had a pet," she said "T had a poole nemed Sparky when I was a child But Regim-the was my hasband—was alonge to mims her, and we never had a dog. She watched

67he creature, walking on its three onginal legs and a fourth leg made from a pen, pushed the brochure off the table and followed it to the floor, landing on the Oriental rug with a thump. 9

ic for a moment, then put her hand down by the floor. The creative social from its ness, approaching, cautiously. With its delicate pinchers it touched her hand.

Agen she fait a strange warmth She namembered the comforting heet when she list buched it. She strated its back, aconed by the warmth it rebated

"Notice hierody enough," she said To you eat anything? I workdar. What who want to the latchin to propero her can broad/sat, the creature followed her But it showed? no interest in the silacor of milk or the alloca of bread that she offered it instead it made of with three in earsy form the tasks.

Wennike consisted har own breakback, this More discovered that inteweet's weally turry; But sha bit more energiats that use had in some time She put, some more backeed in the leader custale har schem window fülded the initian and busice hered with lower had chees the the heat been neglecting monthly. New and then site heard the crossiture-or Spakly, to the heat baten to theiring of Le-nummargin in clearts and schematic.

Late in the altamost site wort to see what Sparty had been up to in the motion of the heiring norm, it was building a mata lateneok from code hanges. She set on the couch, but it ground heir contenang to werk aligned by The furmework formed a large outging the furmer maybo as it early mathy wort the word of a cost larger in with the others, parting i over left under the creationtic weiss of the farmereds.

When Syva celled this evening. We More elected not to mention Sparky har daughter had grown up to be rather convestional in her thisting. Mis Morea supported this the would not approve of Sparky no matter how good the little contrar more Mis Mozara Mail.

Sylves taked incessarily of the refirement community. "You don't seem to understand, Mother." Sylves and "You upt can't go on living slone forover."

"Penaps I'l ywel' Mrs Monts sed "Last right i saw a National Geographic special about the Kalahari and ..."

"Be earlied, Mother: Syven interupdated Wink Syven blood Mini Nemiswasched Baarky addicosol hangarsto Intehomowook: Winking Syken Jung us et visit, Misi Nemis continued in extra watch Synthy work. Souch a resourced viceania and south a maker space of hollwore and tand to make something main Sha started to get hangars, but han Sporty aman and kall in the lag for a time. After stocked by Space in factors.

She slept in the living room that right a field to since by Sparky suiting among her fings and suggeribing them in a strange pattern. She dreamed of a place she had never been. She started out into of light 11 scenned to her that she did not non them lights with her goes but with such colors-a rod that was somehow more then red, like ted with a taske of honey and the triking of wind chimes, sometime like blue, but blue with citrus She tried to reach up to rub her eves. but horhand was impossibly distant from empty space al around her. But the loging did not inphien her. She felt warm she know with a comforting certainty that she was going somewhere interesting

When the wold, the birked in the light. The pain in her hip had returned As she came to herself, the milliond Speriy was couching on her chast, witching har with pearl button eyes.

She shrited her position on the couch, and Spanky scrarthilind away, roturning to as work. In the morning light Spanky's constructionwang/oncue. Restandcarts filled the gaps in the framework, field in place by a lacework of copper who The silvery cars offered in the light Bateen the cars longity colored buttons and bottle caps spanied. Optimitical logmade of the cars supported the ceel body. As also watched, Spanie scrambiod over the surface. Indicase kopping a strand of experier with over a clin

"Why Spainty----tooks ise you" Misbers as up on the couch The construction did look like is larger version of Spainty. As Mis Nerrs studied is she sealized that the overall steppe size or serified the inner module is which the Apulie asternauts had landed on the moor. Spainty is construction had the same opplety legs as the larser module, the same compact body

With this realization Mrs. Morro felt a sudden serve of loss. "Note going away," she morrhuled safety 11 didn't realize you were making something that and this area serve."

Sparky did not comment

Mis. Mores did not make breaktest. She wash Thurgay She sat on his couch, watching Sparky writ. She did not alop the orosture when it began dismanting the trievean, taking write and components into the landhing module.

By evening the landing module looked complete in the overlee of the owl basis a hingsite like the lid of a pitials check, stood opon powed to close When she put her hand on the construction, Wis. Norme could fail a faint templing as if screding were humming roads. Sperky markets benefie the kill waiting

"I guess you're ready to go," sho said Ske opened the living room wedow Ske had never been one to stand in the way of progress. But nothing hoppened. Sparke remained by the lid

Met Morris sait on the couch and wated Sail indring happened, and the nodeled of to sleep. Absuich on her hand wrise her. Spatey had climbod to the anmend if the couch With two of its lags, c had taken hold of her finger. Gently is lugged on her hand, sying to more her meant the learlies model.

"What do you want?" she usked, but I only lupped harder.

Bie picket up Spatky and wort to look at the module. The holds place rands twee patilings enough to accommodule her body if the outled up on her safe. Sparky had ananged some did sweates made. It kolod soft and metng. There were were and odd looking attachments where her head world seat. DI course- it only made searce that

Of course--it only made sense that the crieft would need a plot

Mis Norra soci of her shoes and stepped grapping with the common Cathekay at a cathel on her said in the field poston, tacking her houseaters satily actual her "sparty canded up beads the swapping moti her cack of her nash. The compartment was warm and comtractities the pupel her is diversed warm and cacked into place the and's helden are given hummed to Net. Lets go," after marrund to Sparky And they went CO sill come CREATIVITY

and enables us to distinguish the future from the past otherwise, we would cocompare only the consent

According to insurroughtful Cardinal According to insurroughtful Cardinal instruments and according to entropy the according to entropy the according to according to the according to according to

Pert ports out that the releases of endoptims, the brain naturel oppose, increases during essence and other physical activity. This pots you into an inderphinargo state, a kind of alloced state, the caps. "The lun of concome is being bithold for days althorized." The dloct, for at least some people, is a butt of concentry a "creaster buch."

To their indicative sources popular intervised which immuning "says the University protector of propriate y harves tables insure of Matchiel Publics. Paddra Tables' is harves ago, for example 1 was isolating out tables about competition in etappresent initial craitings. During over drag the source of the sources of the was individed to a source of the sources of autocomp — competition with yoursel came to me.

Cleativity Part opnes: comes from "the spinausi realm. the collective consciousness Avet the mind is in a different realm than the molecules of the brain. The brain to a recover, not a source."

The sign is to have of a cosed using the common space of the second space of the secon

According to Martinciale Tasks recur-

Ing manufa ditot jan asihmetic problem on miki Ditas to example) notaesa achity in the cortax, with beta waves domelling the contract lower-frequency apha waves characterize the resting state). The costeller and he loss creative subjects had no besit wave difference in in cating state. But which Mathridde asked the sub-erris to perform a creative asket, he discoursed that the contrant subhe, he discoursed that the contrant subpha waves introversit - ject the opposite divert in observation in the control costoo.

Control attracted goes along with the boards of attention," Manifestion assotion and attention, "Manifestion assotion and an and attention of any attention and attention becomes unbicated. When attention becomes unbicated, where "A with data becomes unbicated, attention with data becomes unbicated, attention of any attention attention attention and attention attention attention attention and mark attention attention attention attention by locating your attention, you

Marindia has also testo the rete of dispetit hisblanks, messang an an postad array on the messang an an postad array on the The Status in the segment were used in the segment is an enclosed and the segment segment are segment and the segment segment are segment and the segment segment segment are segment and the segment segment segment inget to go responsible that or his segment inget to go responsible that change and segment segment and segment and the loss in the time the inget to go responsible that change and the segment inget to go responsible that the segment inget to go responsible to the segment inget to the segment

Artists of course, have often aseccaread creativity with charant and sharantline or altered states. Devid Smell, an American Book Award normine for his fair crevel. Award Fartous, says ho where up during the night, for example and retables that here to thirty for example and retables that here to thirty for example and retables that here to thirty for example and retacestephali my beat work in the early

Mean provide the second of the

"During nondreaming skep the brain sincing and the rate of metabolism and use of energy decrease." Buchebaum says. "During deaming, the state of metabolism actually increases in the emotabolism actually increases in the emotable and metabolism issues of the barn's creater—has initial system—and it does as mere on the left sale of the barn's barn on the nght. Also the obscens levels must be all homeone during. dearing" (Remember that the limbic system is in the forebrain)

It is assess that the horizon of the term of the product have might be them of the product have might be the product have might be the product have the produc

PET scats may even settle the longularizing clobale about the init behavior conductive and memory links. The about the clobale that adharapteristics and menodemonitore have long stronger links and less hortel loba activity hantitle wirking person. The ferrial loba, involved in the planning and organization of behavior. Buchsbaum suggests. By measuring the glucose metabolism of the frontal cortex, in creations and comparing the insufts with those from schizophrenics and itematidispressives, researchers can determine the similarity if any between rearryly and some minimal iffectives.

According to Mercin Themmend, in neuronations of the University of California at Bienking, "I would be difficult to leave difficult of the best in the interaction that compare the best in the interaction that compare the control of the control to the bases of canadra, the air child control the bases of canadra and the bases of the b

Bases on her study of rets. Damord speculates pair human brans may be similarly affected, although trin his seland. Damines of only one constrebase. Employing the second second second rest brans. Brans was set of the second rest brans to solve more version has shown that solve more version has brans to solve more version. The brans means gill cells divide the brans means gill cells, and while the starts in says of between while the starts in base between a while the term, the basebased in state, developed the basebased of participative-motion



physics or whether he was just born with more than the rest of us. If possive propile are within to be

In creative people are writing to be questin their brains. Then we can get a creative data bank and begin to get come provers, the says. The atteach got a musician in Santa Cruz who wants me to have his brain when he des."

Bourtness and accord interval to decrease, the crisisa photolity has always revealed a number of common sales and the second second second second and accord to the second second second enderse, harvest provide the topand accord second second second enderse, harvest provide the conord has not second and the second of the variable second second of the second second second second second second of the second s

The brack among the existing is an effort, commenter to a periodial assisted - the draws to waite drade, simplicity, meaning, technical, or powerful expession from what is seemingly chical. Mainfoldies assist the assisted as the second of the complexes of the powerful drave forward empiricity. Screening, for example, once assist imm why he used hand loop the draving instead of using theiring consertions assignt. Theirs do complexited." Emstein asplet.

As part of their personal waterhelis, critdrom inverse interplations and interplative advocative and an energy Table desrgamazours, and asymmetry. They often energy the challenge of cutting intercept chases and datu gging toward a resolution and sympeosis. In instence warp often the cose challenge is to dati with a masse of ambiguites and longe a new identity. Persien sove.

The recent psychological trait the statisty is subliming problems was domain the school of the Art Instatus of Chasaga in this Soveness Through a bittary of tests, University of Chasaga in the searches is discovered that the subcertain space on unusual amount of time thinking about a problem and regioning in the options to realize a bits of tops which school to provide

Sometrals verve good quantitom because this yeak to discoverting and croative address to good mervers Byracing the right quark could be right and 1 see in the right quarks and see the second of the recorded or to behave A structure of the recorded or to behave a story of the structure of the record or the structure of the structure of the resord or the structure of the structure

sonal and emotionally charged

on and approaches to protiems. One Roman acd Janus, who had two faces rech looking in a different climation? Well creative people have a strong tendency to them in terms of papesites and conmetaphors and, as a matter of course, challerage separretions. Pauling, for eaample discovered the alpha helix ithe most important way in which the polypeople chare of protects are lolded) in crested erasal Plauring sites, after years that the amino acids are just one kind of unit and whetever their situations, they fied the helical structure in about two piece of paper And he didit while in bod recuperating from a cold-before fre st

The tourth psychological trait is the willingness to take read University of identified and studied risk takers and

dubbed them Type T personalities for Anni 1987). Creatives as well as close devis and commals II his onless for Type T personables who he area constantly cal theirs mental theirs or a mix of both Farley popularie true Type T's may need more stimulation than other people because they have a low ability to become sonaky types. The mental risk takers are It is careford in whatever description or ap-

Along with resk taking, moreover, come such tailures. Many people boliove that construction and a popular contraction have any failures and never take chances herrs as creative as they could be ' says that the odds of creative success depand on the number of attempts. The changes of creating something really m portent. Posterily lends to scrove the monton says. "Picasso, for example, produced some 20 000 works of art, but much of it was mediocre

By working at the edge of their compelance, where the possibility of tailure kurlea, mental mak takens are more likely to ing risks in uncharted territory is eaching Others may not felsish the risk but they accept it as part of the way to reach croative ocels

When Im in the middle of teldwork being out on a frontier discovering absolutely untrod ground' says anthropoltary of the Smithsonian Institution. You box into a microscope and other matrument-aided means of exploring the moincurrer or substorac world or for the forezons is something that drives us. It's per in the growth of the country

The pacetar mage of rowing polydusis often rightgets their subjectivity personal insolut and commitment But newste world that has no reality Creative cism. Contrary to the popular model the

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coaster parant is not a sol-described larger says herein who has statistic procession and annual posts and the posts who accurate tectoral produced posts who accurate tectoral produced posts that a port of some high and be bater than the posts of hose who data taket cricking "Collectively Refer para par, whole most than takks this ent it means pathing adds our oppara part, whole most than takks this ent is means pathing adds our oppara part, whole most than takks this ent is means pathing adds our opaction of method and sing is in startified actions or method and sing in startified

The damp best betted detected tester of tests have the new motivate. In the such as of Fukura's southers movied and outaning. Outanists movies the association of grade or paperhades. Their calibration and grade or paperhades. Their calibration and their support of the southers of the southers of the southers of the souther the southers of the southers of

b) Analytic research is subjects regrouping from particular dividing to subject any end of the subject of contract and the subject of contract and they ware led for example that they ware led for example that they ware subject of contract and they ware subject of contract and the subject of the subject

Where the low and passion trapports, paginavitra risks scientitis and other cospies papels and in the should have were "Such approximation is who molwate the scientist to discuss, the shall be part of the were to write "The infotomatis scientists and a scientists" and an analis with histial to such othere write. This day stugge doer not are from a purpose or a program, but from an another low off.

As we advanced approximation of a conserving varianting mass advanced for a conserving varianting mass advanced for a conserving varianting mass advanced for a conserved consubly variant for a conserved consumer variant of a more property and conserved for a conserved conserved for a c

The test step in that detector, Univerasty of California's Frank Barron suggests is to think of creativity as the mportent human resolucion if making in the a unique tarce in the universe. The save, "a gift of the to the himmin typecies," DO by ONN

INTERVIEW

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an operator house up the numbers the occurs oreas a hourse industrie But here was a persistent technical politiem with insulated unsit team or electronic strend multiated unsit team or electronic strend wulcid strengther unsite technical enclasses. As an operator Eclasmic was increated technical to technical determine tatamentifying to technical, which was areno because of his hearing determiny, howercheless the top's an episation as an escalar in society of the press whe He was a white.

Orm! Now did he do #?

Seriors A To Later Not the corry, the Laterator be reading the corry to the present the corry to the series of the corry of the series of the corry the the the correct the potion of the corry with the correct the potion of the corry with the correct the correct the interpolation of the correct the correct the later correct cor

To can be a white it would backle torogh Threvis attay that he was taking a menage during oth startwy light he was taking a menage during oth startwy high he was taken and the could just be related charmen of a softwar convertion. The week was bad and the y termage radied here in because later messages mulcited—as doftwar hand here and taken to be because of the

Otton: To what inventions did he apply friing in the gaps?

Jankina (Bakonis orginal phonographi was shafa) in the Softyn Ian bot several Sorte pocycle law weber with here more into phonographic here more into phonographic here and statust or any a social galaxie in the inders at a soft of tables and a law of statust or any a social galaxie in the inders at a soft of tables and a law or an inderse in the social as international social galaxies in the law maps in the social social social and in the social social social social and in the social social social social can be been the social social social to constant of the social social social to constant of the social social social to constant of the social social to bot the social social social social to bot the social social social social social to bot the social social social social social social to bot the social social social social social to bot the social social social social social social to bot the social social social social social to bot the social social social social social social social to bot the social social social social social social social social to bot the social soci

People were arraned by his new invention "bo wonder why amouth a sound is so hard to understand. But the people at the magazine were speaking into the phonograph stepping back, and then isotoning to what they'd ual and "hay knew wrist was coming. In other words, they were thing in other words.

Many of Lidenti involvers exploited the technology. For example, the slochic pen opper were Parallishika, with the mode sys-beinding the dask into canthuous invest in the motion potase. Edition applied the filengi-in-the-appen ondori by stringing together sequences of elliptilative with appent between thirm What was called persistance of watern this in the apps, creening the slux on enforth.

Oese: Do you think that the filling-in-thegaps idea was a conscious invention stategy on Edephis part?

Solarge of backets and a which it was consident. But it was largely a part of the advancement of the largely a part of the subconcever of the largely has been of to bare while working. He field certain tools because he restard his clich. It have to be criwely the message in it but integrity. All he needed to do was get a critical amount of information across of Courses he had to diversime what the critical amount of subcommon subcommon of the subcommon subcommon amount of subcommon subcommon subcommon subcommon subcommon amount subcommon subcommon subcommon subcommon subcommon amount of subcommon subcommon subcommon subcommon subcommon amount of subcommon subcom

Omni. The lactic indicates that Edison's shakagas weren't only visual. Ike the drum and stylus.

Jeroing: No. in furt, there is another ofmentation of his segmentation - matterials. Editors heapworks used carbon Instarging is to be a is teaching material. It is a way common substance that ouccurs with very used in the learnest with a way. He used it for the learnest with a way. He used it to the learnest with a way. In a stancer to each subplicts a ransmiter it is aggets that invertion may have an strateget to each subplicts are write as a negative of lowes. And these mark ther creative who

Onvisi Do you think these techniques are a general feature of how inventors and impositors work?

Jerein: The the visual language and spatial mappinghon of forms, concertaily, go well beyond Editors. Some airleng minintere west levels to activity in the visual and cleateristy in technology. The beckropy accessible provide the the beckropy accessible provide the table of the other Editors were forward these two Technology—at like acuttice, parting or entities to access be accessed on design. Calcon were forward in insul-

Other Wes Edison currous about his own creative process?

Janking He personally saw the heart of his process as perseversince his saw persevences as his advantage over offors. He may also have fell he had a specal bisent, but he dids theive much riteratil in 6.14 add boossanally copy some Omni Edison, a romantic poet? So what's the gradest maconception people have about hart?

Jerring Selices is known to very burthgedor in the Unide Shites. There is a terdency to use hm as an unstance, hierarg genus who did wordshill imtrackies things reminance poundinations. We detach him from his context, this hierarg bread was in which is worked, kking to recognize half he inform was part of emtioned and the inform was part of emtioned and the inform was part of emtioned and the inform was part of the information of the worked of the an and in many inflations had comtained in many inflations had comtained in many inflations had com-

Edeciri didinct inventi file motibili picure sione, many wate associated with it Elenno Jules Marey, a French physiologits, de opperments to show arimati in motion. He may have been requestable for augustang the idea of calildeof (imits Editors. Some now sock to give the exclaive booth --responsive), if imitsto William Komrody, Laime Device in Devitions is bla and weas includedad, an important ligure in making the motion peture a control drive.

Editors then term proper all own the work, but it was the conceptual leader When you sets the evolution of the hurelationship the drawings and cavata the presented to the Patient Office, where the presented to the Patient Office, intersective and the culturest individualities where the terms of the terms are used precesses which benefits and a count precess while there to the a count precess while there to the terms of terms of the terms of the terms of terms of terms of the terms of terms o

Otwol: So collaboration was vital to Edusorts creative prepara?

himself under contract with compositors. That lad to express advance that advance but dated severs to taxe Enton. These leadors in the oblegands industry were in a wreas setting the largor apends. They wated to invesse message density into their aystems, for example—and wo or more mossige on the same line at the same time to aske cost of construction. Educan and other mentions were medi-

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memory in the co orful trivia match, "You Guessed at" Sharpen yoor otopere-building skills in the popu"The idea of playing a space war game against real people interediately appealed to my competitive reatouts in Mega-Warr, aden you go one on-one constat with a player. there is only one ship left when the dost withe "

- Desplai daskey dock and Xol document Memory

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The inclusity and annoted mainly logicitated the patients of the dominant companies lineeritors that really involutional in indurity usually come from subside. Ections was able to get the best of both worldsbeing an outsider and an insider at once

Another important aspect of his chedive process is that he worked on someny alterent products at once Moving back and forth between programs for the ashing to break out of the work has the ability to break out of the work has been being as problems before. One of Edon is net atomic before the other to be an another before the repartness work by analogs, and yet not the shock to another.

An interesting saturated of the passion reviews Edentity tamong to use and bon. In the early 1670b, tyrng to improve cosme telesystem, the windful at multiaudition mobil of the Alkatic cade in the work of the analysis of the alkatic cade in the saturation mobil of the Alkatic cade in the saturation of the alkatic cade in the saturated in the alkatic line to the saturation grade cade in Historic to saccation conrections to account with the But the saturated trumping of the table visition, or nonelly sature of the table machine stage. The local cating of the table visition, or nonelly to market a constant restmonable to markets a constant restmonable to markets a constant rest-

A few years later he was working on an

mocovernant in the "popularity toes a material that would vary interball to a material that would vary interball to interpart of the would be an experiing to the varying sound waves caleful by a spatient er vocar. His adult of would use a thin metal bank has during the sponse to the voce. This disphage represed on a wind lackon builder that would the caleful in the ting. The tagge incorvernet in the bioghtwe was well from his tension caleful for black was

Onest, How would you compare George Examines on two process to Edecrife Weekers Or, how prior as all and the sone was unusual, compared to reventor like Eastman. WeCommick, Future, or Morse Eastman was more typical of the meetror who invested accompanying, point to the marketplace where it was highly accretely. If marketplace where it was highly business and finally became the typicon premetror the involution.

By contrast, Educer was the perpetual investor, He alac cannot the mention parkway into the markingbace. But then were tack to the lab. He almost got capured with elacities power prevailing channy down Merkin Pask and going to New York Cry to work on power generation. But finally he humed his back on the lighting business and used his money to build the West Orange lab. Ien times the size of Mento Park

Genre He was not, then make about realrises of the "outside" work??

bible of a contract thereage the second s

In Dropenting 1800 her bisland Exchange and Texaning Company of New York, was used established Dickly to Conselv dated Glasses, Eclaron and concernery in ter schall established that institution regularit net the Weil Street commendation establishments. To distribute the electrotic schalls, and to do the they had to deal with the schalarities can be as the in cerular back can be as the schalarities of the schalarity council.

Edition and his cohorts decided to show the aldermen the warrary of electropy, so the invited a group of them to Merilo Park When they pot of the train to Merilo Park When they pot of the train the green them a totar of the power plant. By the stren they anti-old at the main that the second those, some of the alderment

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stated gurrbling. As icon as they got to the top Edeon diapped his herds, and someone here a switch. The floor was instructly flooded with light. All ascent were water-pin and proper in black te--and bibles of load. They were being served by Dismonship the main flam cas instaurant in the country. All the was port of the elaboratic toblying elott Elaison made the time. We tarks of the set of thesis as mostin.

But at a far deeper level, what really chose fitters was hadmatiged playbacing in the lab and engaging in a contrast with nature. He was trying to primture to yet them the wasted block clower anough to figure 1 and the activities of the to accept with a could be also be called by the could be also that had be also also also also that had be also also also also that had be also that also also also that be also th

Jenning the wanted is more which near systems, not year make solved in more time, A as lakegraph counts and lake working on telegraphy bit, you could waik bitggath means to sport hilly a closedworking on telegraphy bit, you could be bitggath means that was an in a sport on central the lake of hings (Bauen activities). It was an only or counter, the share the lake of the gate on the sport of the set of the gate on the sport of the set of the gate on the sport of the set of the gate on the sport of the set of the gate on the sport of the set of the gate on the sport of the set of the gate on the sport of the set of the gate on the sport of the set of the gate on the sport of the set of the gate on the sport of the set of the gate on the sport of the set of the gate on the sport of the set of the gate on the sport of the set of the gate on the sport of the set of the gate on the sport of the set of the gate on the sport of the set of the gate on the sport of the set of the gate on the sport of the set of the for the talephone. Each of hose involved a frammitter and receiver in reciprocol relatorphip. Whitevel has was going to affect something over there. When Estison worked on electine light-

ric, he didn't wat rivert a temp. He creotert a whole system of electric lighting son most loved to play with nature involved the wholeness. Perhaps it has to is a whole. By eventing perhaps he was revisions his own identity in this wholeicleasinto his larger vision and get some-**Onsy** What were some of his foundshins. with other inventors and scientists like? Junking, Ecklon met Henry Fold in 1890 Hummating Companies in Brocklyin Ford nal-compusion machine. All the cuvis in the targeness wanted electrical cars of bio session on frem. Alterward, at direabout his errgine Edison was all ears. But to him. He began asking Ford penetral-



ing questions Finally Ection stammed his list on the table saving in effect. You've got it now go for th' Fond had been pretty discouraged with then and later athleuled has incident as a turning point in his movement.

Elsen and Ford developed a very door assection con time years — Ford and harvey headraw works and to ford and harvey headraw works and to ford on the registering the The have the works of the term of the term of the ford mean and the term of the term of the ford and the term of term of the term of the term of term of term of the term of term of term of the term of t

On the other hand, Existence set is lefter to Charles Extern in the lask 1976 is 17 have the last brinth scal lyce. The sear class the last scale set is the start of the last class in the last scale set is the last scale. The ways part of the last scale scale scale scale the scale scale of the last scale scale scale last scale scale

Onny! Did Edison think what he was doing was making life better for people?

Jereira Absolutory in Walchine and Progress Elson write "This been charged abroad and coursementy at here fast we of the United Bases have become a mapPrivindum progle. The set of environmentary progles are placed mechanisms in the way means a maximum terminal and setup to the machine to been the turners bang the setup of the mask of setup to the machine to been the turners bang the setup of the mask of setup to the machine to be the turner bang the setup of the setup of the new means there-balance to laborous here concerning the here concerners.

Other The modern world views progress—in the form of technology—as its most important product As an Edison becasen, how chocursers this stee?

Jerkins Ecteon inverted because to was playing his game with instrue. His played with forms and created new invertions, build may be to loo simple to wave while the created as "progress." To understand the relationship of technology to progmise, its upshill both its about the concept of affreserve, in technology.

We often think that the goal of technology is increased efficiency. Efficiency is propries. But what are the priceria for effearing? Are the orient constant, so has we get more efficient werv, "taivancer intestinology" (and think so had argue that ethoency is redefined with each different line period and accessly. Progress is no the eye of the bahalaon each different position in one areas It is differently bases and cultural values. If is differently bases and cultural values.

Orest. That idea may be hard to swallow. The notion that better technology leads to life being better is almost the corredone of American materialism.

Advising stemsor have even a starter of a sonaithm and heap both refronts. But the an observe should guestion. When the sonaid starter is the starter period ward the production have do a sonaid the sonaid starter of the sonaid starter and guest production have do applies and guest them applies and starter attraction—as the sonaid both the sonaid attraction—as the sonaid both the sonaid attraction—as the sonaid both the sonaid attraction and sonaid heap sonaid the sonaid attraction and the sonaid both the sonaid attraction and the sonaid both the sonaid both the measure of the sonaid the sonaid the sonaid the measure of the sonaid the sonai

Only Way zerol we seems of two? awakers: The simplements contracting awakers: The simplements contract the officiency. They just assume they know what these criteria are, that weakers they have laaried is school is the massure of efficiency. Thet find of unswers etthick teach to before is were that "schooloxy is controlling use, rather than us controlling b.

In the environmental case, anginesis assenses that the most efficient way to produce chemicals was to missimize the tonsor towners of sufficient add or anything they could pass through the output door Now were beginning to see other comadvations moving which are now called assentiations — for somptice, polition

People used to trick into sourchosourchops was opportunity, Nov il acid sourchopses that sources can't manufacterior activity in the technology of the last bacterior of Western belof in progress Source poople questioners in sources to bacterior of Western belof in progress Source poople questioners in the source bacterior of Western belof in progress Source poople questioners and the source weetber any source sources and source of media years are were made a weetber opy of any easis were made a weetber any sources and sources and source of the etce.

Creat: Piptir row thereis concerns that the United States is long as submitting the endperiment ingoing as submitting and united with your perspective on their united states and the submitting as a united states and the submitting the longeness and with their states with the longeness and with their states with longent submitting of our outside the longeness because the longeness and values the longeness because the longeness and values the longeness because and the longeness and the longeness.

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When we emagere the bitsts, waiterd to save can the efficient cargo will be cargoing the historic cargo will be recorrected and the efficient sectors of the bitst and the efficient sectors of the sector has the methods when the weart to do bit when the bit when a waity weart to do bit when the bitst are or commented by the providence of the bitst from white the bitst are or commented by the providence of the sector bitst from white the providence of the bitst from white the providence of the sectors bitst from white the providence of the sectors bitst from white the sectors of the s

Over: Would everything collepse if we changed our values and stopped prochange and barron all his stuff?

Jenkins Thi not a progradicator but I think if we became more thoughtful about the implications of new technology, that would in shall represent a new form of programs (at the part of percent) form, that percent private with our percent ward of them and mothod states with our perhered is one very possible thergo care that was at the time of producity (but may be used at the internet motion of the producity to the service method at the challenges active of the wears. When you're diversion of the wears when you're diversion of the wears. When you but the service of the wears when you but the service of the wears when do the to carried with at bolds. The wears and to barried the wears that the basis to a according the out therement and to barried the weard three of barried to barried the weard three of barried to barried the weard three of barried to barried the weard three

Other Are you saying then, this we should develop only technology that a integrated with the whole?

Jereins: We should try to barcase where moving work to grows, but we should cading would be grows, but we should do it. There's so much maninerhain that doesnot barn the assumption that anything news subcraftically better. It's were white it to should be the assumption about the implications. Many boilt in the presise and more lines easist bor pulling anerel, sometimes were appropriately but that is in the line.

Other Obviously materialist technology is set perpetualing. Until the Subpearlie carries to this contineth, Natile Americans officit need guins. Whit bows and inges they could get all the load they wanted But the white man wanted furs and the way to get more furs efficiently was to have guns. It started a cycle where they needed to kill more believers to get more curs to kill more believers

Janking: The Europeans, with their techpolocy dearwed the Native American involte relationship with all of making driving suctionly that changed. Science and technology are modern substitutes for taligion. The scientist, enginesiz, and corto the cele etc noeprus bin microsyrig immortality. The engineer working on the Strategic Defense hittative is satisfying our previous for mimpriaity although the created by people using an older techcombine material power with a religious noioges have continued to destroy and reshape other societies. Cultures can be memory by certain technologies to cosmological standicance of the techmakery That seems to be our situation **Gessi What would Edison have cone if**

he hed now? Jesters: You can't answer that Edition was ambaided in his time But perhaps: we can make an amalogy with Edition's inventor strategy of loaling all the while rather than the parts. He saw the interdependency of the people. The analoso

would suggest that as we adopt now technologies we care about the whole not just curselver. DO



EXPLORATIONS

SCATINUED PECAPAGE 20

mand tellatively recent storie artifacts with old blonds in addition, anthreemetic resonance pers are calling the 200 0000 to 200000, year-old usanum series dates into question, as environmental contemparties can easily derupt the results.

ASCALDON BRAZIL

Whe Betris clearly faces an uptil budget for the clears Enrollen colleague budget for the clears. Enrollen colleague blocks to the mark production are set allocated to the clear the clear the blocks of marks and mark products and plots in transfer the clear the clear blocks funds and blocks of the clearing marks are with an enroll block of the clear engaged in handing, darrang, lowersto and blocks began accelerated to the site by the art Budget began accelerated to the total larget and the darrang lowersto and blocks began accelerated to the total larget and the darrang lowersto and blocks began accelerated to the total larget and the darrang lowers-

Using learn to some is, can member ag clean the locate floor exercise, bases ere a cumbing from the intervawish has bated fields there of human rebing Ad Guident team period and access and a some team period and access access and unresected biocovery. A printwe store heart weiled channes accessed biologic exercised accession act accesses the solution of period act accesses the solution of period act accesses the solution of period accesses the solution of period accesses the solution of the solution of accesses the solution of ac

Backon however has drawn a hum-Backon however his order and disket hype of charceal borns and pothio host "A reposable to data by redocerision because it is not idd, and may To gat assort has problem. A Front spoolait is now adterriciting to determine an age with the set of hearing and and the walking apple and then measures the walking barry of light caused by the relates of advectors it spool over time.

Exactly who take there is thereas Fument 1000 years again a data the interan system of thereas again a data the interany starts in the total thereas attractionbegins and thereas the interpolational from modern humans and a crosses. How thereas 90000 to 30000 years ago Which of how any different groups. Here another 90000 to 30000 years ago Which of how any different groups. Here another 90000 to 30000 years ago Which of how any different groups. Here another exactly any second of the base Could's term the second term to base and a human form the response to the second part is the how and the second term of the other in the holdbard of the open

Many questions about Pedra Funda

remain but Gauden has loand weitherea of previously analysis for a status of or widepmant in the New Work Rese studed mote and the there analysis and the sector of the status of the status of the previously status of the status of the previousless of the status of the status of lateratus in times in the status of the lateratus of lat

To Guidon, the evidence argues for the entropy of set in the New World. Rock paintings were a very important culture tradition," she says. "At this same three all over the world, man easi addito for explore the history and bolefs. We have rock and all more or less the same time in Europe Ahere. Austains and America."

GROTTO OF THE COSMOS

Not service income Function Function could be liabilitation to reveal to Algori Magae matther racia and table of Markowski for an Annexos Discovered in 1984 by Comman analysis Discovered in 1984 by Comman analysis Discovered in 1984 by Comman analysis of the toperens in the Discover been labilitation of the Dis

According to Balance who has actived in \$2000 year out as with the two in the \$2000 year out as with the two in the \$2000 year out as with the two cording systems in their science in the cording systems in their science in the same of the science in the science in the same of the science in the last corner in their a mark or the wall by particing the science in the wall in the Science in the science in the last corner in their a mark or the wall by particing the science in the wall in the science in the science in the science hadron former in the Science is science in the science in t

Although other reasonpers have been quick to dramas behavior interprediations suggestern that the goota is thich more than a collocition of originatic pentrings the remains undowned. The two floature and the remains undowned to the other and any originatic goota to any origin of these people althe easy. "If it is we want carring the concepts tabut the level of the outlines development of profession with floature in floature."

Although controllently over all three white force! decovering her only be gun and is likely to sent for many years to come. Galdon echoos Bolhtid's view "really think we have had a dary of tumany in the Americas that issue made be force we had sufficient data. DO



ARTICLE

GETTING CREATIVE BIRTH OF A NOTION

The distrigates to direct the scale of basic target basic targets and the scale about the scale about the scale basic targets and the scale target basic targets and the scale target basic targets and the scale targets and the scale targets and targets targets

Some researchers beleve orsenvity is contined, to the Einsteins, Curies, Mozarts, and Possess who appear at rate moments in history But others accept his dos that all of us possess creditive ability

For two decades Frank Barron, who had artists like fruman Capote. Norman

Maker and Jassamph Water of down to lear 10, percenting, and other learns have been been grautered for a maximum that clearly "fou can lead people to their peoplered what if thereing have been down to see suppeoplered what if thereing have been determined to peoplered what if thereing have been determined to peoplered have been ad ownload community to be the peoplered have ad ownload community to baddhoad Weatern Destructions and deveload community to baddhoad Weatern

Re-inducacy and develop creative, traditional Western wisdom talk us, young people should be in richool settings that allow them to explore taely. Hanastic Project Zino codirector Howard Gercher, however, has tourd otherware "In China we found five- and sex year olds creating in the most wonderful way, copying basic schemas like



PHOTOGRAPHS BY MICHEL TCHEREVKOFF

charry blossoms and chickors. Gadder says "We had here desertings they had never seen the tore and n styles they had never seen. We issured had never seen. We issured had never seen we issue add onerhalton or an exploration orientation, as here as we have here the

pecketal (instead of the more traditional four legs). The creative students' lacks, on the other hand had not only folding legs but folding tops, other designs were trianglestraped to it into a correr.

"Not don't have to be a champen to get moting array the bit over of arrayment reads to example. These is good indexice that by cultivating our over consider, by exercising it, with a coach of by contenties, we call by to be creating the total by clansification of the bit owner appeal, developed by Barray, which you structed and ontarios your chaptive Arek your responses to car asseemented by the bit owner. All the bit owners and ontarios your chaptive Arek your responses to car asserted to -----bit Modeler.

BIRTH OF A NOTION

TOOLS OF

To twach carefordy I combine therising ability with dreamwork, reverse, parting, vausi and auditory patienn recognition, and nation creator The choice on theory and research first has identified such citig out mental faculties as adaptive flexibility, fluency ity, and a sensitivity to problems. These (parchase you can make up your own problems, situations, or The exercises can also be played as a game with others Exercises that recure much guidad p struction and incubation are

Feedback is moortant brig the mage-equivalent problems ("Hypersensityty'l Remember that the are specific factors in the creative process The quaity of wholeness calling style The whole self creand --Frank Barron



PREVIEW

Below you begin the exercises let's see how well you're already sbie to RECOONTRY OF DECINAL KING.

responses Two are comuncommon and deplay orginal thinking. All are apsider uncommon?

1. It all the major countries shekars guaranteeng

a) the rise of a new

- b) damestic state
- c) a fight over who gets louse them
- initiated by the remaining

2. If one superpower dava cored an impervisible

a) The other superpower ground and see invision

others to catch up

THE CREATIVE ACT HAS A QUALITY OF WHOLENESS THAT CALLS ON MOTIVATION EXPERIENCE AND PERSONAL THE ENTIRE SELF THAT CREATES

program application

d) Spice would proferate. and moles would comp

vou're civen a simple common and two uncommon equivalent maconies? (Apan, hose responses that were given in earlier stuckes)

- 3 The sound of a fophorn a) the boliow of a beast b) a topyly water p a
- c) the despair of a creat
- 4 A floxboo Insider

 - b) a pertie cesture



....

"Creativity seems to Oatasi "From what sources the riches of creativity are, in such infinite variety, is one of our most perfound

This questionnare developed by Frank Barron. means of analyzing yourself creative potential and the conditions tworable for its appression You may also come up with other a sort of "self and shuston search. At the same time. vali contribute to scientific knowledge 'four responses can heip research

important patients in the construe mind

1 Whyt adjectives would response to each pair of

outcong/reserved emotional/analytical 3204ful Temporent ambito sinceret nutwolectual **Febraitinamatic** active bassive docavebielavno stable/chanceakie

poot stical considerate

methodical/clover

Some situations may others may not or may even stife creativity Call to circumstances that showed you at your creative best Orcia the number of each following list thet applies to you and your creative

1 or inc a clarty

2 preparing a written report 3 giving a speech

4 organizing a group to accomplain a pertouler goal 5 establightro hebts of

good quess about what

7 understanding another leeing of rapport 8 winning a contest (pr disting an award

10 setting up a successful 11 at home with family 12 personal relations 13 hending your motev investments, or financial

planning 14 resident to emergencians 15 planning for the future 16 offer specty-

BL Certain traits have been found to generally go along with creativity Respond to the following to whether you agree or deagree (Altor rect number write Y if you agree N f you deaptee)

The uninshed and grother appeal for me then polated

2 ____ would enjoy the experience of living and working in a tonego country 3 __Many of my friends considered unconventional

by other people -lengy discarding the old and accepting the new

5 ___When someone certain groups or nationalities, i always speak though Cmakes me unpopular

6 Perfect balance is the essance of all good

7 __Stantiforward more than metaphors and anabores

meetry to asymmetry

BIRTH OF A NOTION

 What people have problems or womes. It is bast for them not to their about them and to keep busy with more cheerful funds

10 ____An invention that takes jobs away from people should be suppressed until new work can be found for those

11 ____Serve of my financia think that my ideals are ympractical, if not a bit with 21 ____must admit that 1 would find it hash to have iddea financia whose memors or appeliniance medicat them isofflowhat repulsive

1.1.3.—Proper struct not profer to diagnly (not her own and other people's professional and the structure terrans as they are the structure to the structure terrans as they are the structure to the structure terrans and the structure terrans and the structure terrans and the structure terrans and the structure and make and the structure profession and the structure profession and the structure profession and the structure terrans and the structure profession and the struct

19 _____ void rather have a few interes obstantips then a great many calculation frandships 20 __Pelluten has gone too far is revealed fail direction and effects 21 ___We should plain now to make nuclear anargy



28 ___i fevor a nuclear Inseze now 29 ___i would vote to give

up my American citaenthp f a world citaenthp under a global government word loasible

30 ______ Items & include exchange could very early be accidentally price patalod 31 _______ The polog of "deterrors" through the balance of taror is one of the best solutons for wood peace in the themeseights folgo

N. Information about your creative self. Place a check mark before those revocrates that beat apply.

a)creative
b)not very creative
 b)not very creative c)potentially creative
2 I am inhibited in
expressing my own
CIDIENTLY DV
a)sometang within
mael
b)factors in my life
a third party set
c)both of the above
3 As a child, I was
considered creative by
b)mother
c)_machers
d)'friends
e)myself
f)no one
g) other
Europia Male Ace
Female Male Age
Female Mele Age Highest level of education
Female Mele Age Highest level of educatio completed
elementary school
completed elementary school high school
compleand elementary school ingh school colloge
completed elementary school ingh school oolloge oolloge
completed elementary school rolloge graduate osilogaduate
completed elementary school rolloge graduate osilogaduate
completed legh school oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige oblige
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completed -internetary school -ingin school -prologie _prologie _prologie blackwhite HappingAam Aller Arternation dhat chy of residentar Coty of residentar froome
compliand fementary school ingh school oolloge precluste graduate Ehmo or catteral background Hispanic

Sto 000 or more

Mail your completed questionments to Creativity, olo Cimur, 1965 Bitochway, New York, NY 10023-5995 Well report the results in a fature source-and you? Ind out how your response compare with those of inter Cimura seaders DO

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CONTINUED FROM PARTY IN

5. String alone in a dark.

a) a person in a crowd b) the sound of a violin

- with no strings
 - c) insomnia
 - d) patience

Answers 1) a and d, 2) a and c, 3) b and c, 4) b and c, 5) b and d

MISSING LINKS

Give the first word that comes to mind when you read each of the following states lake

Common responses to sech of the above words are chisir, water, cat, queter: bit Uncommon responses.

bat Uncommon responses. Boor, mountain, kangarbo, Kong, dance

Your responses may already be a bit uncommon, but try to make them more so Run through them a few more times, speeding up with discovere if you with

EQUALIZERS

Police the following mages For each, their of a source that is different but equivalent

- wind-borne leaves
 a train entering a tunnel
- a candle burning low
 tail trates in a field
- empty bookcases

reverse are a reversion of the above mage explosion above excel chaps carred downsheam by a current • a snake entering a hole • the end of a lifetime • there end of a lifetime

a descript icom
 Uncommon mage

a civilian population figure

before shading torces

 à riai being chươn into a plank

a smielending in sachess
 a council of elders

Now take a look at your own tabpontises. They may already be unusual But repeat the exercise, stratching your imagination even further

GENIUS

Problem cain occur in wasai dippika, in entano apoken words, in musical protein words, in musical protein words, in musical protections and, of corrus thanging patterns los in looking at them again and changing patterns los in looking at them again and home and the magin and book with a patterns do you moggine? Search patterns Keep looking?



creativity Here are some common and uncommon responses for each initial 1. Common responses

mudges, dark obucis

iron filings, a small boy and his mother hurrying along on a dark, windy day

2 Common responses in ape, a modern painting of a gonila

Uncommon responses a beboon looking at itself in a mimor, Rodin's 77anker shouting "Euroka!"

3 Cotimon responses a voodoo dankat, a cactus

Uncommon responses a parson weating a sombrero, a word witten in Chinese

Try other patients, other inklicits Make your own inklicits by kicking a peco of paper into equal parts Open it and place a small blob of ink in the conter Fold the paper again and press the contexpess of hat the ink spreade. Open c. What mights do you serve

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BIRTH OF A NOTION



CONFOUNDING CONFIGUR ATIONS

Carefully study the firee simple opermetric figures above Each is concessed in al least two of the six complex figures in the larger group Can you find them? Tace out the simple pattern within the complex child

It is a torm of elegance (is a loast needmeent) to account for all the complexities in a pattern with a simple but complete explanation. For further practice go back to the indicide and try to make your responses more complexities—with amplies.

MINCING WORDS

Word patterns of course, are common One writer has spoken of the deight he India in Taking words of and putting words in " Whei about words that are present in other words? the ONE Sentences that have been jumbled? Or the letters of words that have been scrembled? Take the word generator

the series work generative for example Lang only the latest in that work what distances are your maked mechanisms and series are series common responses, such as regular and specifies a region and specifies there are a law groups of works. Rearange from in an orderly testion.

1 common course patients Word are of ['flak, you ve seen this one before]

2 unwerse the docan't doc God with play [You've probably seen the one top]

 prater phanomenal not unless unrelenting display complex simple mark To to a couple creativity is of a an it with crive is find order 4 more can of creativity use make The of no if we good more the we about or the all

Now try this particled hales, a trise-line Japanese poor with the last words of the find and third links intering. The first word of each line is cantalized.

came name! with Lord ever year's The that Mayor's And and The unlearned

Remarge these lates into a single word adoption management (of course its antide astabistmostariansmi) Using only the letters in that large word, how many smaller words con voc find?

DISPARATE

One of the greatest swards in the electors of creativity is taking departicle elements and pulling from Into a pattern of your own Below is a word group of 25 words. Make up a story using all of them. You might try using as few other words as possible.

charabler, coxi, wirened, politoan, biarng, migitahearmasual, shapaly, magnain, biatari nuclear grussume leectori, quark, scaderec, mustroome, skewend, optimistic, psychectelic, and spaed, guint same grates, galaxy

Choose your own 25 words at random --from your head or a dotorsy or teve several proparation of up with the words. Then compose a story using all the salitocad words.

HYPERSENSITIVITY

This exercise will help you increase centificity to problems and come up with priorial solutions

The following events haven't occurred but could If they did, what might the

1. Earth's ozone layer si

2. One country develops baliste masies

3 A terroret group gains possession of a obzen ready-to-go reachest bombs.

a boy or a girl baby can be made salely, what is and

5. Mepping of the entre human gene pool (the generation will bave

6. Medical scientists can oure certain disorders by making panetic changes in

7 Cryonics, preserving a and reveving it sit is later time. 8. The average human We span is 150 years

9. Time travel's achieved

ASSUME

It is reasonable to assume that the sun will rise prioriow, that people will a next generation But some assumptions lock us. nto a wow of the world that cholorge the sesure from. may change Challenging the essurrations, however, bus ness, as Galleo discovered Often it takes



courage as well as with Do plies have to be the according to grade? Why to school with their children? Why have schools at all?

Some people might think thatab are conseconable questions, but if you're Assumptions, you must let vourself be umbesonable

Ty challenging some sesurgetions to improve cities and schools. Choose each What changes might be made for each of the

POSTSCRIPT

In the first exercise, you " recognize originality Now Mis see if you are better a

1-a) a clobal resumption of

construction industry

people going underground



boasing the others around "upper hand" c) No one would believe

if has been done d) There would be an

to take over

to the tearing of cloth c) a durken store in en

d) a lost child's on

b) a loaf ma stream

c) a taken sonwfake d) an unseen smie

unknown language

Access Transfer 21b d. 50 b and dinn



edge or bottom of the page supposts the rend for support fear of independent copeseriose

Gucklines for interpretation of individ-

1 THE SHAPE OF THINGS TO COME Test rumber 1 developed by Sep Francroco graphologist Ann Mahony is deapped to show you the difference beunconscisus lendances which may often be succressed. A fecuent expert we Parapriality (Henry Holt) Mahovry saws surface response. The doodle you creit represents your underlying choices. If the shapes you am drawn to in pirt A in part B it's because they represent the difference between conscious and un

we first present the meaning of sad symbol, as established by Mahory. The of effection approval camanadiana and playidness in the The square more service secure foundation. The transle symbol host who value acharacteries over encotonal enclosment and have a rediest sonfes imagnation those who grave tate toward is value individuality and reforegr cultures, philosophy positiv and music and land to value others not for

You may see how you stand on both how Mahony scalars, the relation who This person. Mahory says "has cal ated three dependences in his doodle. Thus through an object, so that all its characto create a triangular formation in three D This shows an investigative, explorate the surface he may seem controlled but and, wet in his cloudle the circle cets a verytriken chidlike teatment is think a and affection are important to this indiand to succeed As the sources in the however not from a love relationship but

self as you analyze your own doodle. De response to question 1, do you fisck them consciously aware? If so, what are they?

the Wartego crawing lest, a system of personality analysis used widely in Europe to reveal unconscious experiences otherwise expressed only in dreams and handwriting It was translated into Engl



lish from German and adapted for Omeby New York gesphologish Thild Halpein a presentil consultant and expert court whose. Helpern's competent are down interpretations suggested by psychologets accurd the work Stee provide a rundown, below of the eight bosis, or alids, and the listing symbols white

Field The dot in the order represents the ago and other pertains to owns unatored suscan to the invitant The last organization and the invitant the second order of the second to problems. For mennes, it assignt less statute from the dot, the docoler shows enough condence and versitify to supresch protdence and versitify to supresch protent second model a number of office est subschedule the doct in supresch protperiodia instatutes or model. Unable parability instatutes or model. Unable parability in the doct in supresch protperiodia instatutes or model. Unable parability in the doct of the second parability is the doct of the second parability is the doct of the second parability is th

 Feis2 The way has not upper the panding upper how you infinite with Cpanding upper how you infinite with Cgaring durancetable a tradewy to more keep though you environment or a meet to water a clear cut infulnate attaining - Feidd 2. The three welfall mounting - Feidd 2. The three welfall mount - Feidd 2. The three welfall mount - Feidd 2. The three welfall mount - Feidd 2. The three welfall - Feidd 2. The three welfall mount - Feidd 2. The three welfall - Feidd 2. The thr

 Field 4: This cark square in the optimand corner represents a restance or problem to be overcome. The image you does about 4 doin indicates an other and the optimization of the optimization of the left of the outcomentation diagonal lines appear in the infland corner of the tox. The two oppound here may left aligned to optimize the square of the optimization to optimize the square of the optimization optimized and bench-indicate optimized approximation of the states of the optimization optimized and bench-indicate optimized approximation of the states of the optimization and optimized and bench-indicates optimized approximation of the states of the optimized optimized on the optimized or the states of the optimized optimized on the optimized or the states of the optimized optimized on the optimized or the states of the optimized optimized on the optimized or the states of the optimized optimized on the optimized or the states of the optimized optimized on the optimized or the states of the optimized optimized on the optimized or the states of the optimized optimized on the optimized or the optimized of the optimized on the optimized optimized on the optimized or the optimized on the optimized ontego on the optimized ontego on the optimized ontego o

 Field B Two separate lines vertical and horowsite represent unity, either paid or present, with the amobians and the oneconsent. They also represent relationstates between paientiss sublings, auto husband and wire Belanced stokes synel a toathorod environment while unbelanced stokes indicate unstable lactors in the tokens world.

 Field 7 The doted half circle in the righthand corner loaves a wide held for expression of delectry affection and senetivity in Field 7 the load takens rewall the absence or presence of these characteristics

Field B. The convex curve represents a protective sheld. The way is which test takers seek protection—among other humans instant in books, in selence, or in material hings—will be revealed by their work when this scarce.

In order to interpret a doodlise says Hall

part part nut also possible to appentent that also possible to the set of t

This doodle shows an exploratory mnd with an investigative spirit On the surface the doodler may seem controlled, but he is constantly dividing and subdividing the world, as he does his art ?

A repetition of these blass whole compnations reinforces the psychological sigrificance of each drawing."

To show you how these chawings may be interpreted. Hilpern discusses the field study of a twenty-expli-year old woman, whose doodles are shown in Fourie 2 (page 120).

"My overall impression" says Halpern, "a that her chavings take up consider able space indicating a desire for attention and importance" Hervis is broakdown, field by field

 Field 1, with an expanding spiral surrounding the dut, inclusion in infated ego and expansion of involvement.

 Teid2 consists of a pare-life tisce famole is the left, the life in a cells accordance a symbol of the past. The black eye inducates har of lowing all what happened back them. (The women's listic collisiondata suacida what the women's years old). Since the left acts of the heid allso often open diversary tocased on horsel. This is constanted by the songportation for milnomen and the songeneration of the memory and them of the contented by the songportation for milnet on the songeneration of the songeneratio

· Field 3 This playful almost random

drawing works against the pattern of the mounting "ambition" lines. This individual seemingly lacks direction, the need for encoursement is clear.

 Find 4 Here our doubler has owned, acheckinkand Byrspoducing his conins source, which induces a polition, as source, which induces a polition, are surprised that some of her source are durk and others are spread. This indutions, while others are spread. The choices that she is aware of some poliling, while others are spread. The choices the surprised. The choices the surprised politics the spream is playing patients.

 Faild S The uncreased lines of the sensaw image in this field lived an indecsive indexidal subject to mood Jwings. Again, the deceller is playing a child's game The seering look of forward moton in the leasily indicates that this docklars energy may be blocked.

 Field 8 The flortsc-loe game in this box indicates that the dooder contactions has borne environment a large playgound. The hupe game board triing the entire field, indicates that the remain years to be the onter of attention.

 Field 7: Here our doodler has onesled small look-to behavin ha alwayer look.
 This indicates that she seek affection and protections in a clin of looker hands.
 Field 8: Here we see a indicating of has not any a tembor and outsoft.
 Field 9: Here we see a indicating of has not any a method with olividity.
 Field 9: Little image of clouds panally obscuring the ninbox suggests

These resource parallel to the large of the

S MOOD SWINSS Adapted to Dmirby Betty Edwards, best known for her book Dawney on twie hight Side of the Bave, this test reveals a host of subconsous houghts and emotions. It works, Edwers explains by bypacing language, a left beam activity and going directly to the wave foreation paths or right bala.

YOU AND THE UNIVERSE



Mastery of Mind

How very shall we seen in contrast to the regarized of the universe. Were we chosen to play the pristipal role in life or were we just one fittle drop in the instation of infering

Contrasts ago we erolized that massiand patiented a faculty greater than crude mancle We could think, integrate, visualize We could shape the future. The manifestation pytands, wondrows temples, art, language and livestage source more examine

We reasoned that an intelligence, gas see that intellect, must easile it was the power whith. Naneracenes have known for cartares how to try this mere potential for parchrish bay to try this mere potential for parchischings and cary longuage slow pose, the servour made rd, to tady in the principal power own horse

This Free Booklet

The Reverseian Defer, AMORE, is an originational cultural indinational organization it his helped frequencies of men and women ichere a new and higher understanding of Mr. Pieze write today for the freq bookst. Measure of GM: Sorther 1978

Rosenacian Par	Cinder AMORC
	a line copy of the Ministry of
Name	
Addren	

The language of the right brain, Fokeroli says, communicates through the shape light, shadow and space, making subcresicous thought vestile

While on two Extractuals ever conducts drawings that are exactly alike there are lateret ancer with dark, heavy sagood mior placed by net allocated scales power is often an exploding mage or no ings of illness generally show one form clearings after studying Edwards's might enviation of Figures 3A and 3B street on (ce that the mage to go recentling the energiang Oddly enough, this artists an exclusions form it seems that for that ales within Also note that the artist in Fig. 36 Depicted as a black hole in the cen serous matter, as indicated by the dark. fulness, and femininity indicate a certain superficial bubbly quality but even these ness, as though this individual is hiding

Here are some questions to ark youreaf as you ankyse your own doadlee. Which doadlee seem smillar to one ainother? Which emotions elem to give some emotions more ordened than you yoursel? Which emotions elem to give some emotions more ordened than you yoursel da? How do your doadlee of the tom the ones and commonly produced by often? What have you learned should yoursel as a result of the doadlee to than?

4 BAD WBMS Also developed by IGS watch what watch sith takes designed to grav you a better grapp of the problems in your IBS to understandly grapp and the problems in your IBS to understandly grapp and better the transfer that the stage limit the watch process to capture to your most there is shown to capture the transfer in werting, or word dawing and take to message in werting, or word dawing and take to message in werting, or word dawing and take to message in werting, or word dawing and take to message in werting, or word dawing and take to message in werting, or word dawing and take to prove repeat and to you most a form.



up the mage in your mind's eye. If you can't look at your clawing and your words and try again.

Here the Eleverative reading of these data part of problems. The Your 48 (Longe TUR) we can be problem in the Your 48 (Longe TUR) that the Part of the Part of the State Tur) and the Part of the State Tur) and the torm moving branch The omnin state. The one of strength is the theorem of the state of strength is the theorem of the state of the State Tur) and the State of the State Tur) and the State Tur) societies the lotter of events in the state of the State Tur) and the State part of Longe the State Tur. The State of Longe Tur) and the State Tur) societies that and events in the State Tury part of Longe to the State Tury and the state the State of Longe Tury and the State Tury and Longe Tury and the State Tury and the State of Longe Tury and the State Tury and the State of Longe Tury and the State Tury and the State of Longe Tury and the State Tury and the State of Longe Tury and the State Tury and the State of Longe Tury and the State Tury and the State of Longe Tury and the State Tury and the State of Longe Tury and the State Tury and the State of Longe Tury and the State Tury and the State of Longe Tury and the State Tury and the State Tury and the State of Longe Tury and the State Tury and the State Tury and the state of Longe Tury and the State Tury and the State of Tury and the State of Longe Tury and the State of Longe Tury and the State of Longe Tury and the State of Tury and the State of Longe Tur

At fair gappen, liberate reter, the genergy is hegy ind conflict, with strong, class, legarous, invest and mit upeard springing libere from that supparts a served of by Withen the disamp is substat upped class. To however, its sharp and perceng character is invessed, what is somewhat aggreement and contentions. Classifie says, "perhops meeting the disarch's confliction in the bapping of the vehiclention

In the vacabulary of starting Extends one, the (Alliad Analam Store In Figure 2 and A4 page 150) rocalls mapped when doctore---represented by the horacent in----- placed as low as possible in the former and occupants mmmils appear. All the doctore-----personanted by the horacent method of the starting of the starting of the possible of the starting of the starting of the operating appears with all beload in doctor remote starting. The starting has remoposible an avert. Chartmeng the interpletion, on the back of the daming that the doctor rests. The problem that late to do the starting of the starting the starpediated and starting of the starting the starpediated in the starting of the starting the starpediated in the starting of the starting the starpediated in the starting of the starting the starting of the starting of the starting the starting of the starting the starpediated in the starting of the starting the starting the starting of the starting th

The dooder himself then turned his drawing upsets down and had his to say "When itum my drawing upside down it sooms as if everyone is drawing trawing me, and i am the one had a keeping myself isolated. I wonder if I do him?" He lave decrated has pathing in he dd

Here are come classified in the air any comangle or your "behavious" should be that any angle or your "behavious" should be that dealering in the classification of the should be dealering in the classification of the What propelly lings or class about of the model the model dealering you produced in the model dealering you produced in the model dealering you produced in the product dealering you produced in the boots dealering your produced in the boots dealering your produced in the locale dealering your Plan to your your problem? When you have you do a graded dealer, which mere alerents of the produced of the should be any appendite data. When you when the should be the should be any appendite data. Once you have looked at every angle. Enternts suggests putting the docter lade and kiting it noublate She compares the process to putting at swallble information in a kitting dropping it in the matters, and waiting for a response

5 SELF-ORTINATE The same permutation weaking used to geochologists in the Linkel States and stretded here recertly been restancely searchologist Neutrol Barrys of the Search Installator of the the recent of the stretch installator of the the recent of the stretch is search larger or in which action and restanding strediences of the same and beginged in the suprement in two truty your strell-ortication of the stretch is shall be obtained the suprement in the stretch is shall be obtained the suprement in the stretch is shall be obtained the suprement in the stretch is shall be obtained the suprement in the stretch is shall be obtained the suprement in the stretch is shall be obtained the suprement in the stretch is shall be obtained the stretch in the stretch is shall be obtained the stretch in the stretch is shall be obtained the stretch in the stretch is shall be obtained the stretch in the stretch is shall be obtained the stretch in the stretch is shall be obtained the stretch in the stretch is shall be obtained the stretch in the stretch is shall be obtained the stretch in the stretch is shall be obtained the stretch in the stretch is shall be obtained the stretch in the stretch is shall be obtained the stretch in the stretch is shall be obtained the stretch in the stretch is shall be obtained the stretch in the stretch is shall be obtained the stretch in the stretch is shall be obtained the stretch in the stretch is shall be obtained the stretch in the stretch is shall be obtained the stretch is shall be stretch in the stretch is shall be stretch in the stretch in the stretch is shall be stretch in the s

 The triangle symbolizes siggression, characterizing those who visible achievement over emptional involvement and soom to have a restless, even relentless, desire to move on ?

Also be carbo study the context of your deportunt. Now that you will doing no the postant. Now that you may have have a solvery it in hords you are have have a solvery it in hords you may have have you to summe, usification to the elements in a barrense control them an iterative loads a criseing of here will all home marks to be wroth manuely loads the and the more marker. This card go have a load and the more marker. This card go have and and and and the and marks control and have the and marks control and have and data the solution of the solution of the solution of the loads and control which have the solution of the solution of the loads and the marks control and have the solution of t

 Head: Unusually large heads suggest high intellectual argonations or disabletacion-with on-lui intelligence. Unusually small heads suggest leekings of intellectual or social intellectuacy.

 Eyes: Unusually large eyes suggest a suspicious nature they may also reveal anxiety and hyperventishint to local oprior. Unusually small or closed eyes suggest self-absorption or introspective lenderscores. Ears and note: Large ears suggest sensitivity to criticism. An emphasis on the nose suggests sexual criticulties imphasized notificaling cases agressive banances.

 Mosth Emphases on the mouth auggests primitive, oral tendencies—or a possible speech problem "Omiting the mouth suggests offer depression or a relactmice to communicate

Independencial involvedual - Alema Arma selecta an induit suello combei varines energies an induit sues suposal suello representationes support reelectoreness. Final Armay abruitans errei augunt objecta or opsetological wateress. Long energi atmos support antilision and strong enviruscial with the works. Why athori arms support lock of antilian and livelens of madesusery.

 Legs and feat. Very long legs suggest a strong need for autonomy. Ecogated lest show strong society needs: Omisson of lest suggestiv insatility or lack of leads. Humaways, for instance often draw people without flort

Burns has unsigned for Xinn the pairbaulty hautogo self-ports if shown in Figure 5 (page 120). According to Burntine self-porter of a right-level cosposite executive age thirty-leve is a dehramting disawing that shows a peritors who descrittered to are other page/a Aproteued our resourced compatibility and society his barn-eyed stres shows for society his barn-eyed stres shows for excitation of the proper account tim "2, as easy not to watch others suffer if we have no eyes more Burns.

Here me came paraliation to add yourand any sub-antily your were indifficulting which on the platements, and whose on the bactom platements, and whose on the bactom platements (21 mount outburn many contents and mount of the disease) and the platement of the disease bactomic platement of the disease and the disease of the disease platement of the disease and strength of disease platement of the displacement of the disease platement of the displacement of the disease platement of the displacement of the displacement of the disease platement of the disease platement of the displacement of the displacement

8 THE HOME FRONT The stocke you consider in reprove to Levelse to the best shown as a levelse-house transmission and the stock and the stock of t

In simplified form, the tree in the K-H-T-P diswing symbolizes life energy Your zest for life is represented by the thekness of the trunk and branches.

The example, paped in neuronnear and unfirst starts of an example and untified and the example and the start of the start aligns. When the true dominates the methods are start of the start of the start methods are start of the start of the start aligns. When the true dominates the dominate start of the start of the start aligns and the start of the start of the line start of the start of

One way to respect the meaning of your K H3TP drawing is to examine the order in which you draw the house, the these and the person 7 you draw the trave int, it is energy and grawels are of permany importance to you. Drawing the house frait indicates an emphasizen numtang security, and success or alternation), a second of cosm for those throns.

Below, Barns summarizes the meaning of typical elements found in K-H-TP drawings. He starts with the possible characteristics of the tree

 Tee blown and bert toward house. This is characteristic of those yearning for the security and safety of home. The image is associated with regression and sometimes with afloation on the cast.

 Branches flowing downward. This is usually drawn by frose with unresolved proteims. Weiping willow trees are often associated with such characteristics as dooression and past fluators.

 Branches flowing upward. If the tree is well attached to the earth, it is associated with upward moving persons "getting on" with their twes

 Branches reaching autward. The sheltering tree is usually drawn by nurturing people protective of others.

 Prokason of branches and lokage on house take of here. This suggests the person is putting an anotesia amount of ienergy into one aspect of life, neglecting belanced growth.

 Profusion of branches and foliage on side away from house. These doodlers tend to put energy into their own growth, reporting or slighting family or other domeetic values.

Henry & rundown on the meaning of some house characteristics.

 Chimney Emphasis on the chimney suggests overconcern with psychologcel wormth of home, it may also reflect concern about such things as masculinty, power, and creativity

Door Absence of a door suggests psychological maccessibility A very large door slows successibility A very small door suggests dryness And a side door suggests escape

• Pool Significant cross-factoring shows a strong conscience and accompanying path. An imphasic or elaboration for suppath consumous control of invitey into tentors, these suggest a desire for social interaction. Says leading to basis well suggest conflicts with accessobity. Weldram workseps suggest control and social tact, while long walkways or along suggest guided accessibility.

 Windows: Absence of wordows suggots withdrawal, while many windows suggest openness and a doorn for contact with the environment Curtains suggest concern for beauty and learned accessibility. Very small windows suggest intyreses and perhaps psychologcal reaccessibility.

To understand the meaning of leatures in the person part of the drawing, refer to the analysis for Exercise 5 ("SELF POR-TRAT" same \$240

Burns also suggests you study your drawing for general characteristics such as pressure, stroke style, sociol drawing, and placement on the page as summiroad on page 69

To the how Burns applies come of sound k-HTP obligations applies come of on page 188 The figure was chained by They agained the real sound by They agained the sound by They agained the transient of the distance, which he min interrage was the house? Burns activities, They have the house? Burns activities the the distance, which he min interrage have the house? Burns activities the house the house? Burns and the house the sound burns interrate the burns and the again is again to house and the house the house and the house the house and the house the house and the large the again and the house of house of the house of

What stock (per TMHAI stocy does your potenties (FF) Minor and what does you conclusion (FF) Minor and what does you conclusion). In the rooms a polygoin brinds from a world in the methy of operating minor and the methy of operating minor and the methy of the potentian (FF). The period from the top of a agreement of the first (FF) for period from top of the methy of the methy of the top of th



market for remote sensing data, although orowing streadly, is still bo thin to support a profit-materic business if that busin its capital investment and operating costs. including launches Proponents of Land set inblued hard pointing out the units cature of international compatition Al foreign systems enjoy major covernment tel support The Office of Management and Burlant (DMR) on untrook an storight include a subsidy in the upcoming 1985 the commercialization competition then minimums. Then as soon as the privatesector Earth Observing Setel/te (Ecent) tion bid in late 1964, the OMB reneged on & promise and seed the substry funds from its budget request, Landsat has been sinking ever since Landsat funding ran out this part March Ontpropriate supplemental funds but no Just morelly NOAA started takeno cuit attle land without involving Eosist) to the French about a possible Spot-Landkat Landset has ded in the interim

And mensely, pare a Landout on in tael lega-well define the set of occurs ances, pared to protect all leads thecommender on the set of occurs commender on the set of the set of the observation of the set of the set of the observation of the set of the set of the observation of the set of the set of the observation of the set of the set of the observation of the set of the set of the observation of the set of the observation of the set of the s

SPACEWEEK UPDATE

A catalon of volumes from the coefficie academic, and business commenties, is planning Spaceway, and foreade obselbademic of the aniversary of tended obselbademic of the aniversary of tended obselbademic of the aniversary of tended obselbademic obselbademic

STAR TECH

ACCESSING THE FUTURE

POCKET PALS

This wireles's Consumer Bostronics Show, etheodod by mare then 80,000 retailers, colaborated the more from topbap to pointer, Schleid this tread toward portable preducts for work and jaky is increasingly more proceeded interoble toubnellars.



LABEL ME

N yes/re leaking for a sign, try the P-Tauch II hand-held lattering rystees (akave), it prints lahela in four colora, fire alxes, end four styles. Prins S229.50. Centrect Brother International, Risestraway, KJ, (800) 284-4337.



COT YA!

The Zap Shat (below) is a packet-dan alastronic still conserv that uses tiny flappy disks instead of Sin. Pe

TALK IS CHIP

Load the Votice Replaced Belly with Its apoint vectorizing a set of the set frame speaks the ferring phrase elseshy speaks Speaksh and will have the set of the set set of the set o

viewing pictures, just seamed the servers to e television via eartial or suble jacks. Price: 51,000. Context: Casee, Lake Russess, NT, (516) 452-6700.

F/X-RATED

With its leaft-in editing system, the 24A Pro Wander video concerning on model CC200 Indexed, expands the operation of the hanne offengraphin. The endexed editing factores for your odd factores for your odd secretion, and out, the secretion, and other 21, 409. Candact: These with CAC Comments Secretion, indianeous Secretion, and secretion and events, indianeous Secretion, and secretion (2001) 224-1900.





DAT'S MUSH

ROAD COPIER

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The HGSO (oberve) is more than just a threeproved capter that can betterify deplicate originals up to three and serves-algothe by six and anon-half inches. Connect it to its UR-7 faceletile interface (not above) and you can then it has a tiny fac mechine okin to cand images over folgeboon lines. Price: 5480; 5480 for file interface, jos. Contect: Elcoh, factfield, NJ, (800) 255–1890.

REA

Minimal magic Balfling do-as-I-do stunts and other April Foolery

GAMES

By Scot Morris

In the span of Aphi Hodes (Day, Into preventing salvard) chalanges that should first be that should first be that in prevents, there some of team well put you in advivant positions (lifet all you in advivant positions) (lifet all you for a Salazdilly this yeas, so you'll have to put your freech did the spot infine that you cavaryance they props after that you ca-

The first ituation discovered by registran Jeny Anchus er semifike to the fibating searching fissure. For the closes i mark, hold your toeringsen capathal a law inches in front of your eyes and focus on the first add of the incom William you separate the holds, you will see it sheertbooked finget with a nal on cach and footing in space

In Andruus vantability of hold a peri or pendi in your throse in a projet your hinds in a projet position a two inches in hori of your eyest and bous on a point in the distance When the pendi is benomed, adhough the two holives any pared through the monta of your basis

Now fill your hands so that the pencil is at an angle You will see it "shear as in illustration to. 25

The prechacegate Anatasi and I tailed with had never heard of the illustin. The effect. Her the libering sausage, is caused by the brean typing to interpret the blumed partially overlapping images taken in horn the two even.

DO AS LDO

Comparing internation, where is during this guaranback to ballin. There's a well-inpain this of a simply compared to exist in the other has balled to a simple the part of the face. Then point the to back up in the to back the toback the to back the to back

In the vestor cleap your transfs to carre way tomp your transfer, and the numeric of each four legans due had of each four legans due had of each four legans due had your most, as service from Sac-St leave (source) four each leave year integration tooching enter tood of your noos due nit (source) four ones due nit (source) four your frances to they aroth too due of the source) of tooching with the source most people still worth most people still worth most people still worth

The index sets on the text that we have developed asymmetrics habits. These are new ways to bid your arms—regit arm on top or left arms—regit frumtion top one has a preferred. Inste raf way of controls to Kay one has a preferred. Inste raf way of cong first, and the preference and valued to whoth a parson is right or left-banded. The sends server is in



epy—ahiphever tests most unvatural. Thon in the last step, your wrists will unboil so you can comtortably tase your abows

KLUSORY STRENGTH

Here are some more body balliers that will give the impression that you are supersitivity. Find, bold you arrested in het of you bend your arms so that the alboxies point calvaid the shoulder leads that bend brog geni together. Challenge services to stand directly in weaks and try to pail your weaks and try to pail your weaks and try to pail your labeled () being much should be pail of the boogs much weaks together are much stoops than the toget hand boogs than the theore much way and free much stoops that the services to separate your freed much stoops that the services to separate your freed to your freed much stoops than the services to separate your freed boots to separate your freed boots to be paratic use to separate your freed boots and the services to be the serv

After demonstrating your strength ask your hend to place his two clasped

ON CAN



Into topdev in fact of Introd, can on the of the other, and try to haid them other, and try to haid them for the second second try to for the second second and developer, and them of the hereroristik and them of the second second and developer, and them of the second second and developer at a time. The massless year here class to people for late against each other the selection.

Of course, if your friend should counterchallenge, just reimember the old hock of putting your thumb from your bottom fait inside your too fait

DECEPTIVE WEAKNED

Beweld hady challengts option muscle weaknesses or delicentees (Jay a woodon milich acress the end of your middle finger and place your index and ring fingers above the match as shown (ho B) Do you think you can break the match by linger power abme? Try it

Place your hands together as in no?, with the model import best down and touching intruckie to intruckie. The other import ond frumits louch their contasponding partners on the other hand. You can useful thereafts your fruities lowingers and title legistic yourself pouring triggers They part work come spart without the office fragers loaning contact. Robe someones lands in this position with a color balavies the rom ingers, and chalartige here of the other lingers

mose and moch is seasymost of the time. Nowborn mants however, can beathe in a cantal situation that adukts cant. What is 17 (Anneer A)

Thans a place in all icomovites you can stand contratably and yet be unable to its your right leg. (No one can touch or roatrian you in any way) Whate and how are you standing? (Answer B)

In semilar challing, where in the room can a perior to standing comloriably and unincum brindly at build unincum brindly to build over without infoung team the original specie? (Answer C)

Hereis a maddering durt bolty an a tairo reretaurat i Dipad dimo in your dink and dink o to your bashaad. Thair make herd the blott by winking your zhear. Repeat the performance, acting, limit a managrines i can do her it burt hereit pooloby dip fer con agonad went for his beread Hell data winking aid gomong but here won taik a timourage her wont data kened If" but still nothing will happen. Finally, pluck the dime from his forehead and slack if on your own. Winski your brow once and drop the con into your hand Why down the hisk work for you and not for your hend? Idenser 10.

AMERICAN PROPERTY AND ADDRESS.

A) Swallowing A beby con swallow and be after at the same time which is hereby for uninterrupted sucking. We lose this abity at about so months.

(b) Band with your left side against a walt, buchning it with your left shoulder and loci. As soon as you by to raise your right foot, your body's center of gravity shifts away from your laft, and your will lose your balance and fall over

C) Shind with your back to the wall and your heals, hps. and shoulders touching it. You won't be able to jump or bend over.

b) Cheel of course Areas by dimite journ hands withdraw your hind also withdraw your hind also withdraw your hind also withdraw your hind also withdraw yourner. The Watch and an opportunity and into your have a hind into your hand. What he hind not have hand What he hind not have hand What he hind not have hand What he hind not have have a back of hind of women because you've provinde the tomback he have a depart have a so how a depart have a depart have a so how a depart have a depart



NORD

By Bob Manging

Furly the rabbit's block buils when he thinks of how petting zoos turn animals rifle buildings. "People cram us sat of cheep food at day, and we just gorge and purge 3

classified in the set of the set the trace of the bulk of the set of hard integration. Extensional by attacks 7 bulk 16 by were already to report of Hulky leads to the first the mergan of Hulky leads to the trace hard hard at leads to be bulk that the merganization of bulky short that in the set of the bulky set of the bulky short that the set of the set more arring the set of the networks of the bulk short has mercely at the bulk set of the leads are set the set of the bulks at a charger to minist the mercel and more set of the set of

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a zos consultarti on Tiurna okiosi Evannose konsi the darget of trendicij over in an anslosune wich tikly gosta, ciut dat you konve that niklotis ani known is alee usoud, carnets and hurt them is aleeu soud, carnets and hurt them is apaas, at children's hearts? Studies aleo sevesi itsal nabika projek aduling children who watar gregotances.

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There was partie point their growther Early and the purposes that the second second Patients and estimations and the second second the second second second second second second the second secon

Bob Mangito Indired from Autoriting And A Iow surraing a successful anymet experiment Tabonelary