

וטועונ VOL. 10 NO. 6 MARCH 1988

CONTENTS

Fred Hepgood

BenHaupa

110

EDITOR IN CHIEF A DESIGN DIRECTOR: BOX OUTCOME PRESIDENT KATHY KEETON EDITOR INTROC ADGROFT DRAWING DIRECTOR FRANK DEVINO

J.Z. Knott CMPNEUS Creative Contraphone The Man Made Star OPACI. Space Program Doug Colleges The Most Mystercus THE ONE YOU LOVE AS THE WHORL TURNS Sorois A Pictoral With a Twist Ros Law Mortalcon Arthory Liversidae



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FIRST

By J.Z Knight

an expanded awareness of channeling, the catalyst inward understanding and allows us to mach our unimuted potential 9

Chemeling, which creates direct contact

The sword is the soul of the Samurai



FOR A MAN, there could be no more A sment capte solon of his appreciation for works of unusual distinction. No liner acquisition to display among his proudest possessions than this museum-quality

re-creation of The Sword of the Sword in Symbotizing the mysical code of honor observed by the heroic warriors of Old Japan, Samuras swords rank with the world's rarest pressures.

And this superb fall-rised re-creation has been inspired by the power and grandeur of one of the most prized of these swords. The Tack Samurai sword, and to have been the personal weapon of Shōgun Tokugawa Icyasu—the great warrios-chieftam recognized as the dominant firm; in all larguese bisiors.

Available in the United States only through
The Franklin Mins, The Sword of the Samurai is
emblazoned with 24 karat gold electroplate...adorned



with sumptoous braiding. Iffired with a tempered seed bade, and theatherd in an opudent subbard. It is a work any man would be prooud to own, show his friends and hand down for the pleasure of future generations. And, so that this magnificent imported word may be exhibited to best advantage, it will be accompanied by it soon halks knepriced display stand. To acquire it, simply sign and return your order form by April 30, 1985.

The Sword of the Samurai

Exclusively from The Franklin Mint Franklin Center, Pennsylvania 19091



collector's sword that captures the virtue... the valor

the strength of the

legendary warriors

of Old Japan.

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CONTRIBUTORS











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Within" (page 30), by Cann Maho,
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Don't miss the chance to speek out. Our

Space obtaining (gage 22) who what hard of space program you think the United States should busine. Just if out the quasicomens and main in the cast. The questions contain information on the current program the status of what was agreed you will be reward the results to NASA hospitywaters in the monthly policies. As the Whort Turns. Speaking Containation (gage 4) Ahra Glooper books of one of the

Turns Speaking Constantional (page 54) Alva Guodono books at one of the most furdamental designs consist by men and Malter Malace—speaki. From the cyclic point of a snape electron to she massive seek of a teasively galaxis, speaki may a sortio of peoplosal intending a large seek of the properties of the Because readments is souse contains something way appeal at learning a growner Parameter The Mitche Earth Castago of the Sexbe and care (Servense).

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LETTERS

COMMUNICATIONS

Very Distant Relatives

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David Hurter New Careier C1 I was pleased with the spece you chose to give to skipphoal propass of UPO/

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Kendrick Frazier Editor, Skoptical Inquirer

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Eddors' note: Dr Reeves stands by his statement. According to the National Downs Syndrome Boosty, all humans with Down's syndrome have the pathological

Arehony Pusors

Symptoms of Authorner is thesate Symptoms of Authorner is thesate Botwoon 25 and 40 percent of them develop the clinical symptoms

Five stars for the December Orns: I was so overwhemed by the name that I had

to write to fell you. The arrichs above, allow inhibituations it is interview with identities. Problem the tilgeno and Baris columns and the belon of Frederic Puhl and Loo Mason, all applied to the everal autores if ask forgetting arryche, because the magazine was the best tilly seen air on I vice been air on I vice been a final free best to the set of the set

Grossed Art.
Nos pictoriel "Hatory in Bits and Pieces
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e grotesque Kathy S Sevy

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CREATIVE CONTRAPTIONS

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An opper in unusual deathor/sellecture, Feerbarg appeal to be our groups style file. Competition #45 Creative Contespania, ampointed in Apert 1967 Afta we assumed the ordinas. Fertiberg reviewed to best and helped saled the womans GNAMD PROEI For the simplest, and clear feedback foctor of the Homerous American Martines Michael Backetter of Service Michael Montales.

Fig. 10, Model LX 20,000
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Alarm Clock is for sleepers who hit first encace busine too other. The device has six levels of assault, ranging from arons to Armagoldtin Water dept into a container, encounter ing sugar cubes suspended by strings or determit health's over the water. As the

water level risks each outer mells and to samp unloops. The activities a lever that writtens further riskin. All stage one a butterfy is released a music box plays. Oh, What a Beauthul Morrie. It caleput leases slower petals one file bad and

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frozen derner. The salgsty pin cein be used to temporarily mend clothing as well as decise wounds and patrolle reserval lisseer final set fastle such as degree our special patrolle service and patrolle service and patrolle service and patrolle such as degree our special service and patrolle service and service and also use the floors to help exect a temporary sheet. The three service and service are service as service and service as other order to all special service and service as other order to all special service as other order to all special service services.

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LIGHT WORK

STARS

By Doug Stewar

is nothing but a wet blanket. It

University of Illnon of Orberts Chimpiagn sharp magon. Their system uses a unique

The heart of thoir design is a vollowdown and photograph some of the morabright light to see dim yours. It helps to

explains Thompson. You cantel the here's something on the other side, but To complicate matters. If a word

course unproductable viewing conditions for why those pre-libyrager photos of Saturn and Jupper were always so blured

light at a distant object before it reaches them. If they can measure this, they backs of the metors, adding a life bump for attraspheno previousnoe) in effect by

where a guide star is valuable. By using phees layers loke its image, and make the

has to be photographed as part of these

guele star if it were rear enough to an observed object so its light was distorted

contains nothing suitable Thompson and Gastiner didn't persoufunding, they hope to re-create their own ster Lipit was at Haward Mauria Kesa and into the upper atmosphere. Sixty in demeter, struck a thick layer of sodium



20 CMN

THE PEOPLE'S PROGRAM

SPACE

By Jerry Grey and Doug Colligan he post Challenger period

history of space development NASA will be facing a whole now set of reader think we should deal with those

1. Service John Glann and others have

supposited that NASA suspend the Crown

3 Many space advocacy groups and

massion to Mars right now

A) married (3) unmarried using only means the government should give privite

es CMN

launching commercial satellifes and operating Earth-observation safetities

our current apage season design and rush

serviced in orbit by astronauts. Recently A) garge Eticksagree C) no spinion

heavily in space it is no longer a two-frame.

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needs a budget nearer to \$14 bition rmilipress—is a relayely small part

Cayort LLS (Sowet massion to Mars. D) robotic explosation of Mars



Marie Who do you think should go to this Real

using it as a base of explorationOO

GOLLY, MISS LANE, SUPERMAN'S 50

BOOKS By Lisa Ballnor Best

ne night in 1935 a stw bespectaabout his lack of popularity Començaci that only some miracle could spengeos. In the morrang he showed tes; and apares to accompany the story

come stop whose tests was a supporturned they sold the copyright -- for a pality company, National Periodic Publications. ation from Krymton, in 1928, said so

compared to Supermen. The superhero has survived unscalled. After half is

prolessor of English who has written more to threats. Rebellous tooragers learn more toward Betman because he's on.

The story of Superman embracker contributor to Superman at Fifty. Among fantasy is part of the children's coming to American culture linguistically artistically he says. Clark Kent represents the

identity in a way that stressing revise seal well being. Engle says "Superment is a very positive image of an outselve." Supermen story and religious myths

Xa/ Engle explains bears a Inquestio with lightness or switness -- could refer speeding bullet." Har with its guttural fit (as in chutmer), means "everything

than any other American characterexclusion Linco from His foots, after all notating This Zuki, and Serbo-Crossian

now see in Superman is a result of white

Engle says. If that changes, I auspect for Supermen-" of least until human

be very tar away. DO



CONTINUUM

GROUNDED PILO

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—Quanter Crop
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-- Charles Bukowski III bis a painting I want to say cornedwing combining as



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algous expensives is the frongest and the noticeal keep from Letterd scientific assent) —Abert Ensilve

Work and love—sheet the bestics. Without the there is naturosis."



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CONTINUUM







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mount bloops provided in a contract to the con

Whee hopes to use the new hologram technology in offices male, and other buildings to out energy cost and improve lighting — Linda Brow "God dwells in the ceases".

-Mass wan der Rohe

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—Denoid E. Westale

The steller universe is ritle to difficult of comprehension is the real actions of other semple incorrocity of the semple incorrocity of the semple.

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CONTINUUM

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Life burg what if it, one dreams of neurope Parks and it is, one dreams of neurope — Paul Gauguer

Our great hurren edvecturie is the evolution of consociutions. We are in this life to enlarge the soul and light up the bean."



ODEL OF THE LOON | ture says Christopher Re

meet with a \$1,000 grant, the Nexth American in Fuss. Vermont busis in Fuss. Vermont busis in Save begun large anding and analyzing the toxial yould of the obtains any good corns. Ver in a loon population has cheek in 12 next grant or serious the color of serious the color of serious the color in the color of serious the color make is, account for its some wait in horis, and a thematic serious the color make is account to the color of the thematic and the thematic and the color of the thematic and the color of the thematic and thematic and the thematic and and and and

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diversion. Out his doubts it -Aldrew Health

-Arthur C Clarks



CONTINUELING





ARTICLE . TAPPING THE HEALERS WITHIN

Growth fectors will heal our wounds, regenerate our hair, and ease afflictions of the brain BY CAROL KAHN

powers They touched

passed it on to their Then came the

perfecularly destrucobjects were the of cancer-radiation ple were comami-

heroic American docfor who frealed vic-

meltdown at Chemo-

byl. was attending a whelming waskness, the nausea, the medical conference in West Gervoming, the dames Alter hat, the many when he received the call for terrible truth. The blue powder was help Gale and his team from UCLA neither mysterious nor magical. If I had worked valently to perform bone was casulm 137, an isotope that marrow transplants on those who produces gamma rays, which are had suffered radiation schoess in the

PAINTINGS BY GEORGE TOOKER

180 90 90 90 or offerent. The Soviet visrow-the melenal that gives read to the where blood pulls that are the transhone of on the other hand, still had some bone marrow left. What's more, by actually louching and digesting the cosum, they besum would demand any born manny. transplanted of a later class. What was needed for the Brazilians, then, was something that could stimulate their own merrow to reproduce and give rise to the white

Russian nuclear accident. But the Besch-

biodad cells so especial to life. When Gale arrived in Godnis, he brought with him magic, GM-CSF (cristalcoyte) macrophage-colory-straulisting factor) the Ire! substance ever shown to runn the white saved two of the six most gravely (I po-

gents and stimulated bone marrow coneth GM CBF is a growth factor-one of about 30 natural body substances that new cells. Although scientists have been

pie of years have they begun to marshal these substances almost mystical ability In a recent clinical test GM CSE re-

helped rescue the bono marrow of canoar patients from the pell-infling effects of shared up corneal transports, grown now oven bolitered sperm production in are mals Norvo growth factor (NGF) is brend explored for its healing potential in every-

hermon's disease to limb neethschment. chemical messages to cells, telling them. to perform a specific task. Block pazeto factors for netaring convert and flower trafeg bone merrow cells into highly speatic blood cells. Epidermal growth factors growth factor helps nerve cells form bonds

with mutcle fibers plands and renves velopment, researchers are hoping that growth factors will illuminate the grantest cell develops like a single note into the symptomy of highly integrated cells and tiggues that make up a moure or a mon-Other scientists are exploring the clark rade of growth factors how they transform a And a worldwide search hopes to answer

35 CMR4

what may be the most basic basicgest question of all how growth factors tell cris-

But it is the practical application of growth factors that will create a mackage revolution for us all. In the near future har Because of these substances, busy cocktails resead of mortins with lunch Elderly myslids may be free of the bestsores that make confinement a massy And once stanie men may resolde at aperm boost no

Loukema patients may walk down the half only a week after a total bone merrow transplare And college professors with seemed jost to them larguer

The assect for the substances we now World War II with halian biologist Firm Leve.

GBuilt on barren. brownish hills at the water's adon with San Francisco in the distance.

Geræntech's light blue buildings and Moorish

arches look like an easis in the desert

Montalogic who pronducted her research in a mekoshiri laboratoryan berany bodroom

(see the interview beginning on page 70). velopment of nerves in embryone life. To do her work, she bought fertilized eggs at the market and incutasted from Then she removed the chick entryos and report off their busing limbs. Finding that game cells died when limbs were removed, since secreted by the limbs. Frostly leaving her basroom lab for the academic rigger of Washington University in St. Louis, shir has the chance to prove her hypothesis. First she investanted a mouse tumor onto a chick ombryo. As supercised the sensory skin to the brian grow into the furnor as did the experiment using a silver-starring nerves grow everywhere, invading the tuing their way into the years, where they choking off the blood supply

What could be causing the extraordnary overgrowth? Agent Levi-Montalcan suggested an unknown, chemical factor?" that her turner factor actually diested. Low-Montaions grow a culture of tumor cells in a test tube. She then put a single nerve gargion into the culture and within ton hours found what she described as a danse halo of nerve fibers, radiating out

For her, this experiment was a supreme logical reactions in tissue culture, more had proviously taken her weeks of pairsserver large numbers of tissues, flucts, and charsicals for the turnor factor. And even more important, she could now exterrupt to sectate the factor in punted form from the

In a neighboring lab at Woshington Circversity there were a postdomined tellow with ony chemistry and embryology. He reme infoqued. At that time he was trying to unclerified how a free develope become only The mount gotting a handle on the charmosi substances that might being for

Microsi opprints a full Flodinski two I was always interested in biological pheromena" save Cohon, a describio sixty-fwe-year old with prespect-shaped even and an othe smile 'What corrects CROWER What controls differentiation? How

the correspondence Cohen complemented each other in more than personally "She know little about biogrammary. I know little about neurobiology" Cohon says: "But we crution -- her ability to form looked but

rapid-fire thoughts In the beginning, according to Cohen suspect among their colleagues. Many people trought that the effects were due away growth. But like Levi-Montalonic were after played a role in normal growth to the culture media made cells grow bet-

nerwis, which reculate avoluntary functhe mysterious factor in the tumor "If you



The fragile intentink between him and the denier sobol was breaking up in a burst of resucciognal state. "You pulling anything interesting?" Jepolite ablest, terhinos to stay openfied. His

perceptions shilled from soon to sheet and back again like a TV monitor flashing an leasily from carriers to comess. Nor the chemic robot saids, the vacecoming from Jesomely back beet indeugh conduction speakens wheating behind his

No. One center robot sales, six vaces coming from lemmes back best infoculticonductor speakers whereing behind his easy. The denier cannot unchinuse opecial and abousted recorders for the passiing scales, allocations for appare data from surveillance cannot and life harmonisages from police preside security firms.

corporate spies. Peaping To "I need to quit," Jerome s ang cristy

I am sorry you are booked, the dense said "Will return a said result of the said result o

rolar—a dark padded char with a chrome sphere forming as upper half—the diener abolt stood motoriless. This was not a good day, the diener

had acquired some of Jeromes characteristic infections:

'A horseshift day' Jerome said "But I've gottle look."

ker He moved spilly accoss the web of micromation half the city percented stoping from fire library by a state of pring from fire library by all at leve veneral the inflored of hieses 14th half and odd to congressional sizeles, lestisyers, policemen and grape Shing though the dry's of blood in a looking library before and whitepointed word of a clearly grape from extraction of the control of a clear grape of whitepointed word in clear production of the control of the control of grape. Early the smallest of inacconditions could be worth correcting on a cay when preformation was practically an autoria-

information was practically an waters most connection of a when he would find people selected at motion for never a morety, or more,—would coaled delivered more complete them the National Data Banks of the IRIS. Jesone was despessed by characteristic details. In morth, or more than the complete that the National Data of the IRIS. Jesone was classed by characteristic details. In morth, and was not contributed to the Data of the National Data of the National Position o

pont Circle fountain, than shinking arreal dups of Tarboth coffee at a schedulik cafe before entering a hotel more where he would be nude—prone and helpiess, wasping and killifed—beceen black-clad legs and spillo heats.

Compared with Jerome voyous were casual uninterested Compared with his reads, these were deset and uncomplicated What he was trying to learn even he

Steed an old man in a long green cost blookened with drip pecad standary agents about prick and then colleged into the poddle A cull with greater engody efficient for strength of the poddle A cull with greater engody efficient for strength of the poddle than the first blooked secured as though aware it was being washed moved on.

man, behind abound as though aware it was being watched moved on.

All the corner of Webonsen and Misbodi a man and woman in heir early beenties. They were amond identicell—heir dyest track, flowing yellowisk scanes, soft bise leather badde. Locked liquither in a moment of poin—datability ground scane.

and and terr streeted—they were color and and terr streeted—they were color and and terr streeted—they were color to define cowaria suring ground to the color of the color of

Silver whiospnng cods snapped out

of section joints in blue parcelain, and shring steel blades on

the colls' tips Reshed under Ruorescent kitchen baht, Nicha away yakhwa skin ?

big of crumpled white form. Noor the cream plastic U of the handle block numerals against a silver ground read thirty.

reference of the control of the cont

hed the love you live. The period her look and Sealch Chip. Memory II begin to soutnes, matching hed to sout the look of the look of the look of clother policy updates to the Pational Data Blath, composite three records complete from many, business any areas and you will the precompet let of a United flight that head combinating business repairs. that happened. Only the disense vaccionals to hear the ball ring, and it in reced with a rippie of black benezion access rose any explicit of black benezion access rose any wadded her been begin to explant access the participation, calor and shape flowing sent someone were dropping pagement into investible set forms. The denire estructed to tack cobie and pluggod into the Session Chip interface, which give all it had on Commis Stone.

Come Story III. Riggs flow with a control of M and Microsoft. In It. Billing comment of Microsoft of Microsoft

into a Yellow Cab on Wecconsin Avenue near he National Carthedial Style afth canneal he National Carthedial Style afth canneal the cold late, and in close up his reyer were not shot, tind, and ways Jananess sevent programs had a to. They councided the alarm to list Jasones style had been found Jerome sat as he controllered wouthed the colder coordination stops a path whome.

Confronticul Averue toward downtown Now he had her What should he do? When the cab dropped hat on K Shwat in kand of the New Miterram Hood, eight soon stones of sherest glees, he was watching through the had a entrance matricul, and he thought, Aver, Comme

Lifel fivol years ago, she had been use another nector to assistant. Then associately to the letter that the control of the letter than the control of the letter than the let

Visionanque, Amerit Alba vey He had so dig in fortadishin ground to find her. A quick sed, very quick—their reprisals were vocus—on the IPS records indicated a complex anargement with a bompary named American Biotorma, which consiste with not her teel employer. The IPS know his but dolff ment if was cultimatic out of the relativ.

Paties' Truffio, on almost logistern eventath certairy dictator had wilded Garman Jews to come to the Dominican Republic and processed them sancharay and their own town Solala. A few Jews had come but over the years their numbers develoded so final by the next of the headsfelf out dury

A few obcasios later in cerna LG. Bochemia and altitude of Germans very low of them Jews And a low years later in

came Corrier States.
Looking is filt he is somet sharer had put some very stong songs on Jeroms is a some very stong songs on Jeroms is a somposed with personal comods, and occut gymbol—some resi some allesed social symbol—some resi some allesed social symbol—some resi some allesed social symbol—some resident allesed social symbol—some allesed social social symbol—some allesed of gazonaseason institution or in desided of gazona-

Cerman catalist—it all nested of gacconspracy, multicoproter piot Jerme II up like yellow grinapinous in surlight.

"Locan I G. Boocherme Sossus dristprocessing dates" the said Desprining the relative mole programs. Complex user data, including the programs. Complex user data, establish opportung system codes. Load vrus and seacure. Trimmate on untroseen interrupt, and testad noty on verbel surhomation. It might take oliqui to perinliate the cooperations is country thefit, but have the cooperations is country thefit, but

the was cooling and its describence of pulser would like.

Corres Boore sail bereigh is green white and said uniformitie Blown in summer broads feet has was targated around a red plastic cassistic advocars feet with early below worn in regional parts diseas—and and take and green lowers on a whot bookspound—their southers the way to be located the property of claim pilled white. bouching the whot beg of claim pilled white.

benealther table Her Jahr was pale white, inghty fisched, her lack was vapue. Or, Speaking out of bright sundame Jerome has said. Thirds: The demir right stood beside him "My name a Dawl Jahron Vu air have a problem."

whees clastered against metal struts beneed that table "Go away" she tead, two sile but still atting, presumably concluding that he was no thread nor was his mobit. "I don't have white it mit b tag" Jerome said. "Dut it must be pershable so you can't carryl required much longer."

"What are you teleng about?" I'G Blocherie: He had leaned over the table to whatper the man to be the 'Whose well than a light gasen you stable in from them. If you play about it have I I'red you." The chains walkfast the was that up hand to be the well about the shallow of the face or change. Some at leaners at leaners over the and in that increase the chain it is national. Seriethnool to the well as the chain of the shall in chain of the well as the shall be the shall in the shallow. Seriethnool the shall be shall be

it didn't understand was gaing on here.

They sat in Jasome's living scorn. White light from the walls was shaded to purple or Osea.

and settees. Red speaker film framed in chrome stood need to a client reduce of Miequipment in matching set and a silver fivemeter screen. Purple holographic letters dengled in space over shaling glass doors asking virge nor in ser-

"Souward not the money 'Connect Super Data but look what I'm worth to you desome said 'You've been hang up a now the whether you've got there may not have been a some hat you were expecting, dichit show "He we is way her offering to a reave." That do it was the "Loon arrange things so that

Becheme worlfind you and ican put the money arywhere in the world you want it. You won't be sooy. These one thing you have to tell me! Come said. It's too creepy otherwise.

How did you find me?
"I saw you on the street. I saw you and I wondered why you were carrying that thing, who you were. If a hard to explain.

Jerome
walked aking Q Street. An old
wormen selling.

flowers out of white crockery vases arranged in a line called to him, her tongue

a blotch of dark red behind toothless gums.

Come here and let me show you." In the statement and let me show you." In the statement mention program was no produced the statement and statement and statement and statement found the statement found you."

and "I lake them in the agains below: here "The cold tength partons the living from boath Corne ren her fregs etcar; the bags is same and a split, the sheet of courspice white foom opening like petalls on a gast river throse by a book plastic cube the size of a far. the congresses that bood dood are into the bogs (term ode). Not but was a small sheet of what born though a way as a small sheet of what born though our born and a size of what born though our born and a size of what born was wettern a single numeral of the packge trouble and the held in our to her. Do

"Not really And you might contaminate

4 So here— She pulled a small silver daily
from a fold in the crumpled white. Here's

all you'll need. Transmit this land they like the what you're selling. It's encoded of course but that's all right Maybe the lass.

Silver whosepring colo inapped out of section yants in blue porcelam and ring dred blades on the path tipe filament under fluoriscent letching the blade policy and a color policy between yallow plan and all coloring policy policy plan and all coloring policy policy promoted the same solven out the window and if Blamet Inn facility between Precauty possity good for all deferres, also She sale on the purple.

salt defense no. She salt on the purple traped couch. Sure salt, "If I want to sland trail for assault or wholarizary manifaction for affice denies have asyone. I'm segonsole, just like I was driving a car." The larter bardes level moving, but the

vertigo of robot wiscers. Haif an ownce of fresh was sheared away with breadbone. A new hand of awareness had been growing those past law months out of the controller both between the clamer and arronn and if thought. You are responsthe you say but my you? "Steel changed agrand orisining, blade

against countertop "Arrome called "You got a problem. denie?". No it said "There is no problem I was going too last".

going tool teel!

"Work within your limits, pall "Jerome and then turned to Conne and teel "What do you say?"

"How long?" she asked again "How long before you can finish his?"

regif to exposely new Dut more thely well out in which in the next may found in which in the next may found in which is not compute them on the their lock for a compute them on the their discrete and in a compute the next may be a compute to come and the next was an access to come out the next may be seen in the next may be a compute to come out the next may be seen in the ne

decree by on the packed floor in the working floor of the packed floor in the packed floor in the packed floor of the packed f

terns like the cliener robot it walled it

the cliener as a machine long ago never

ation machine for an intelligent being unorthosi intelligence. Than a plact this little

Let a hear 4 for Charley et? So barry beck Chest, Jarome said 3/3 off Wall-

their! Corres said. What are you

"Come on in " he said. She sat next to Tye been thinking "she said. Now that you understand what s coing on, maybe

April to human! Jerryon must What I want

proteem I said I dont I II do if object. As they took place, the clienter re-

There, as Jerome was bent be-Jergme walked along Q Street near Du

DWXX12

STEUBEN, BACCARAT. IAMES CARPENTER CONTINUES THE TRADITION



Crystal Wisdom is pecal at \$120, poyable it convenient monthly inst-

The Provide Med

Please wai by March 21, 1988

15933-1 CRYSTAL AND SILVER FROM THE FRANKLIN MINT tongue a blotch of dark red behind tooth-

Flashes of electric gold exploded under and willed. Hey 2-April The man gesless under the racket. Bones of chest and stars set into the meager flesh of his left

pectoral clearned in the streetlight. His eyes seemed in moton-his left hand pirked roon valvateen bara clangled from his waist

ing credit chip blanks and report codes.... to move in a hurry, and in an almost pure credit economy, cash in any significant old woman, but she had gone

down, so Jerome wasn't surpased when he heard the message relay obspana trong dead drops in Europe switched through the West Coast it was I G. Bowont off-beeps and screams laced with

Then there was your present on every called, and Jerome had never soon it

be done But there it was a whole system. tripled chips hed CROMF disks and The denor's bulbous front poked through the cloor with Corrae and behald "Wasts

'Grab what you've got.' Jasome said The cloor slid sideways as the elevator waited gust outside pulled his cost back.

Jaroma said. "A man's out a note to deshock than anything. Jerome was already much desper into taid she than held ever knees by the prone men, taking the gun at her through hatred and pein. I What's at him, something crazy in her eyes. "No

sleeve. Blood and fluid leaked across. Come on she said 'Don't just stand

Carrying emerald green methamphotarrives and a hendful of bogus predictings

62-Ace was shytless under the racket Bones of chest and rib cape stood in clear outline.

and chrome stars set into the meager flesh of his left pectoral

pleamed in the streetlight 9

remember, they were recely to run. The rented Pontac sat in tright morning sunperamic receive clathrang as a game up to in the light, and Jarome stood looking at

land Javone says "You've got to explan Conne by with her seat back, reclining almost on top of the cleaner, which tribed most

saw the robot which by the way is going to be a big liability Never mind that Him or us, note?" man collegeed. A small selver dart both on: carolions. Over and over it new treef feets

to the ground, and Conne Stone killing him

raws and over Who is responsible, and what

They bypassed Chicago where the black Sears Tower sat in a lout cettochem-Ewi Empire Interstate 80 (Aur) had beses-hopes for invesibility not forgotten ex-By the next day the Mahasel had been chowed up, and so had they as the miles

soled under the Pontac and its chemcals frey were eating fired a million tray darts up and down their spines and sometime. So in Wyoming, in a shifty little half lunar landscape, they pulled in under a clear sky that was regictly facting into twe

falling out of the amphotamine haze and into a dark steep the death. The classer

called the trauma of it. The part The rext afternoon clouds hanging on

where dives of rock and did had gut the

gent mentises negod with camera eyesn willow plants outs used the botto necled traffic orward. Farther west the salt fats, where casy sixy and clouds and brown mountains were reflected in a caant wittery menor two cardiers of bornes enter-Jerome obowed a green capsule

gorg to do ' he said then licked fisig-The ditner here can send these assholes a phone message: Fuck with us one more Thad to kill him Christ, he knew what we they were into some kind of ordinary se-

And Horgothow guick they are "Cornie tar enough





The sea awas birth to Ris sheep easily, as did best understood the morning of endless cycles, the curl of a wave, the what of the Natice zonelly at loft. Man-made speaks, like the image at right, are hardly as effortiess. Provided by Sieten Muler and associates at the Max Planck Institute in West Germany, these computer-generated pictures offer insight into chemical patterns.

ocennic tides can produce a whitpool (at right). In its franced downward spire), the eddy will pull in footing objects, as if to noursh itself. The whiripool, to trebanegokan ylaminesis the see, enters a confused and destructive state, indiscrimrulely awallowing and digesting spiral game away, swoot away by its own motion? to the body humon, the spiral

makes as appearance in the cochlea, the snall-shaped tube that knows port of the oner cor (cft). This chamber, a correcting section of the ear's intensite https://fin.com/sective and hansant securit. The process of hearing transforms servery confusion into audible logic. All the sounds of The earth reset page through the cochice on their parrier



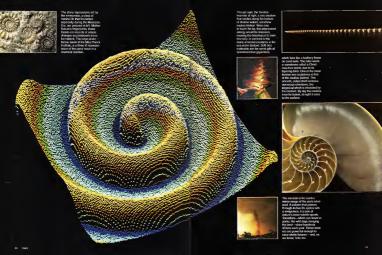




so in the wind and the desert sands in the photograph at left. The wind points a design purely for its own arcusement. and then erases it. At right, the spiked circles that ring the stem of the plant from Singspore offer it protection, as if what iros within is for for busile



























Houverly seconds weben the storry spirals are revealed drough computer simulation. This model of the Miley Way, produced at EM Research in Yorklown Harpter, New York, by staff member Phil Soiden, is part of the company's work on The color of the components reconsents star-cluster ages.

environment of the bubble chamber, the spiral makes its presence known. Liquid within the chamber is superheated, so that when a perticle is

its path. The photograph at neer night shows a single electron fermine a spical track of the bubbles as it loses as energy within a magnetic field.



ROBOT

range underground explosion and dead

galyde chrome multicolored levers nan-

from the allower on her star-The one Hove-And she opened a black drawer and

Mind a dark blue alky gown from a and put get a pistot in a masis mouth-

and pulled the Imager-When her hot, damp tion pushed against

pulled out a blue plastic lead with a sive plug on its end. Spreg-losded the lead wish me to transmit now? it indeed

A few seconds later Jorome said. That's it the ellower Let's get a dryte" And to the Twill do no if said it had further mate roce of interestile change ... irroversible happen next

Cornie and Jarome were alting over when the door opened and two men in he tel uniforms-margon amosulis with gold free-stepped reads. The tell one held is he white-it interest and pulled the cold bag in already been checked femures, but Je

a small scapel curved away a siver of the lump of pink fesh inside and placed the

plugged into a wall socket. "Traisony," Jo-

The short one noticed his head and beover to where she speaked with her legs

"Go home" he said to Jarome in the Ra for two cards: "Someone will be stong to take care of things-the woman the car

€Two men in hotel uniforms stepped assiste One hold a small automatic pistol like

the Colt in her bag The short one went to the claset, pushed a

button and the door skil open.

ever bother in agree. Understand?" her death in his notinis, Jerome under-

The shuttle to Flore West streets up from penetrated Jeromes stunned and and auti and made her whate with courses

in Rono the airport was begin blue on

Hey Jacke" fre women sad "The

firm? I'm busy. She was in her early twen

On the flight to Washington, the cabin was dark and Jesome sat steepless in the

gloom confronting the blank recognition were the odds that their passion would have

The dense rolled up a ramp into the rear

with Jasome He could barely magne Late alternoon the following day Je name sal on the minute terrace outside his

over the senace. How do you fork I G.

the street ten stones below The dense Tray brained me down they caught us

Coming out of the char Jerome put his color shell Hethought Of course you did diener's body sideways so that it rested against the white-perified females meng-

To save your life, the dener end " made a deal with them. They would never have forcetten you they would have killed you Why do you worry about that woman?

Under the clienor's woight and Josephilis

Over the chatter of people patherns be heard coming from high above CO





ARTICLE

Belittled for more than half a century, the mystical genius of electricity has at last found a following

REDISCOVERING **TESLA**



BY BILL LAWREN

New York Others Lower East Side While buildings shock, the good phoens of Chinatown Little II- The man had hooked rup to an streets shouting in confusion. I though the center of the buildparties that either the wiath of ling. Apparently the oscillator's been varied upon them.

But the caps at the Mulberry the neighborhood, setting of Street station knew better As soon as they accertained that neighborhood. I wo of them the shaleng He bowed politely

n an otherwise line day Houston Street. There they in 1898, the ground in found an elegantly mustachood man standing beacle the chine he called his decilator the piller and redisted out 1100

with a stratopharmorer to stoo made a begins for 46 East to the policemen "Gerdlemen."

There was more to Tesle than perior mapic. By 1898 he'd given menkind two inventions that would change the world alternating current and the high-frequency coil?

Whose my experiment was Nikola Tasla, and he tie oscillator could "split the wrote control the weather. he was perhaps better regardless of the number of women wearing pead eer-

would let 2 million valta of

and parlor mapie. By 1998 he had already created two invortions

that would change the world alternating current, which made the widespread digrituden of electricity possible, and the high-kecasting system from radio to radiar. His radies/ and majorative lorgotten Many of his inventor's were attributed to others, and his effets were often dismissed as the combiners of a maximum himsofter decades of being considered on the lunatio hinge of spence here been taken up by a new poperation of sweeters, suspending and trikeness Like Tests hereeff they dely easy dissolication. They

prowerful set engines to the secret of time riguel The man responsible for this was born in 1956 in the tiny villane. of Smitish, Croasa (now part of Yugoslava). From his childhood In the 1800's electricity was direct current, or RC, and was a

Priceding pages and above threstor Nikole Titals believed by might

transmission over long distances. With this AC, or atcheaply anywhere wres tor and a recommendation pocket Tesle lett Europe in

1884 for New York Edison and that began a brief and plotely unsuried for each cultured a britary mathematician. He solved prob-

purely local phenomenon

tors to boost its power over long distances, it could be

least in his hised before ever Iffing a tool. Edgen was a blue collar inverter, a men for whym true and error was the only path to innovation. More to the point, Educatives committed to commitment along direct current

Three years later the two genuses parted company. Tests then welco his AC system. Educan counterwheeked. To scare people He told hombod audiences the anywes had been Westing received royaltes of \$216,000 - an immense outlight money in those

that would change the world in 1890 he invented a hollow-corescalable at enformely both broughness. By 1990 by had sketched seem to not the garryt from hardheaded prestural engineers to with syed fareface. The range of their ideas is equally broad. They suspected, would be the wireless transmission of high frequency Marcon sent his famous S signal across the Allantic. Hearing of the test. Tests reportedly srafted. "Lot him continue. He is using soveragen of my patents: Perhaps made conscortidant by his stature as a certified ma-

rus. Tasks sat he rights on grander schemes. He was last rated with the possibility of transmitting electric power without wives and envisioned the way to do it grant Testa coils that would shoot elecbright straight up into the sky and then around the world, travoling frough the earth's ionicaphere

In the early 1900 sihe built a set of mammoth, 52-foot-high cold Island, New York, Although he was able to previous 125-foot-long

ergy from ball tightness, once harmeound. 55 CMN

bull lightning-a phenomenon in which orb with erratic movements. Gallia became tesometed by the idea that the en-

useful to local neon sign shops by squeez rg n beford sons and making recent used to take the tubes home and put to neighborhood paribal machines An early devotion to things that in up

Golka is a short, powerfully built man in unmentakably boyen gint in his eyes. Yet as he talks about his work, he is guarded personelly as rather the warriess of a man-

Golorado There Robert Golka a feety. artherus inventor consuland engineer. some Testaphries admit is a far-out idea. wrekes transmission through the atmoshousekeeper a rephintere. Hows of metaland-wood filing cabinets are jammed into every available space not taken up by dead LikeDorem and desemblywhird percent an opining of the room beam brilliain econch-

able scientists who are willing to makesily vindicated inside a large facility

ary 1943 died in a shabby New York City hotel morn surrounded by wounded re-Long after he slipped from view his reputation has been revived. Nother province sonal represent and in 1974 the orga-

leftning bolts with his giant cois-and black out the lown of Goldrado Springspower This costly failure marked the begroups of Trebis contine decline. Afterward his ideas grow more and more perthe earth. He said he could control the weather But obviously nothing eyer game

actors. First shough their town to create the lightning on command revealed that he had managed to gener and headed to the Tesia Museum. There he gradually persuaded autopour offcals to let him rummage through Tesla's handwritten-and nearly flegible-peon him. But not before he had managed to come away with 29 pages of notes and

scale model of the Tasia cot in his Brock-

His eccentric

nature becan to overshedow his genus. He

insisted on having 18 napkins set before him at dinner and would not stay in a

room with a woman wearing pearl earning 9

and have good ground conductivity Even halfy he found his spot an abandoned warehouse at Wendover Air Force Base which he rented for a dollar a year Working with surveiged equatment and a donated 150-kilowell generalty Golka

the got was generating 17 million voits of big Overthenextoneyears, Golkasays he created sharmanno obtine of ball light ing effect, "he admits "and I pould never covered By 1952 te hed run out of money assembled the grant coil, and sloved the garts in a Morgana wandreuse

atmosphere rich in charged perficies is a natural conductor of electricity. He thepthan he could set in motion a pontinuous

the power industry's standard conductor of electricity, has an efficiency rating of only has retuil if on the Lesstville site. He hopes to transmit electricity through the iar. Golka acknowledges that even the part Use infrogen lasers to punch holes in the spend to receiving stations on the ground If Golke is successful a glowno number

lower will signal his own thumph and will Although many experts poch-book the

Golka himself is making no grand prom-

as it might seem. Others with weighter

sweeping uses for airborns each party. This

palanted a system that could beam huge

leated regions of the upper atmosphere

furnise. He worked for each years in the

Atomic Energy Commissions controlled

convented the Tusion toron concept, a

leftowar clasms from fusion reactors for re-

neign APICO, It was a problem APICO exthirtising on such a global scale. The com-

outsic test of natural gas (thics a years

on Alarkus North Stope Decause of the

swe to contain and ship out. Wasn't there

some way ARCO wirried to know to out

Eastland saw almost immediately this if

Earthursd as now president of Production

taken his Tosia coil out of mothballs and

in a great leap of the imagination, this Nobel prize-winner discovered a new principle of nerve growth and initiated a whole new branch of research—white on the run from the Nazis

INTERVIEW

LEVI-MONTACN

I have any propositive feet (which on with posed to it upon a companion of the companion of

gracked hens' eggs and in experiments of chick embryos ins-

ided study into the development of the central nervous system. It was research that would eventually set the stage for worksives investigation of the molecules involved in normal and malignant growth. Alter foreign stage the letting velops, save entirelyous vere octamized to be dispatch after first lamity—much to the indigence and the stage of the letting of the l

extensioned to be of horself and the family—much to the mitigate about his traffice who dist it better the obtain of early mitigate about his traffice who dist it better the obtain of early ages that had alleady been used in secretal cooperations. Dools, for which carries passes such the family passes and the makings and the mitigate obtained as the beat summarized had not yet was one a con in this continue to the passes of the pass

at eighteen, she spent two years trying to parsuade her lather to PHOTOGRAPH BY HENNER PREFI



pey for medical school at the University of bearing Guseppe Levi brought her top after graduation in 1936. But soon the Fas-

makeshift bedroom lab water-inggered an imitation from neu-Américan who led experimentation in chick Montaion's repeat of an expenment that When he cut off the limb bud, the nerve-

Ewes Levi-Montaions American college atmosphere seamed like a Gardon of Eden Impressed with her

help requiete involuntary functions such as thefic nerve aprouts even forced their way into the voins of the tumor where they esis far more daring than Bueker's idea.

randical mentor Levi, visiting from Italy. promoting the careers of scores of young spoffed at her conclusion. But Law-Mon-In 1952 in the lab of her transf Harts.

talons confirmed her suspicions. On the tumor cells neer a single nerve ganglion in a culture dieb full of solution. Within Iren hours the nerve gargion gave rise, she

of a overn in a millifer-of culture solution The substance was christmed nerve growth tactor (NGF). The discovery of NGF share the Nigbel and Ladior awards. Cohen established that NGF was a protein and

il had practically nothing-ust eggs and an old

microscope / used a sewno needle I sharpened on a stone. It was a pure muscle I succeeded It simply cannot be repeated 9

ectant then the mouse serroma. Eventu-

been discovered, and and led veers son and nervous systems. Theirs one of many Levi-Montalon was director of research

with everyone in the told" save a col lengue (fut for this engaginer in New York sidge she was grapous and confiding and cake" impatient at an important fact that hadn't come across. If had been ob-Green You won the Nobel prize and the

come to you recently?

Larger award in 1966. Have other awards Lew-Mortalom: Plenty Innumerable Great What close this acctions do for you? say the Nobel prize doesn't mean anygratifying because for so many years there was cloub! that I was-as I really wastime people didn't mention how NGF was

Only a few years ago it changed All those awards established my prosty. Vic-

Janeiro all by myself when I discovered how to elucation the way NOF works. So the If they were NOV, I thought, they can have it Thad something else. And my new work

But in 1972 | decided | could not give up

Quest They sound like New York Ofy

Levi-Moreagers Yes, imported by me Texyit was expy at the amount no one checked

sthad nothing to do with NGF Lold staust to beck to the score after a long time.

One two necronal his powers process passes to the contract Refundational passes to the contract Refundation passes and the contract Refundation in the contract Refundatio

my honce I had the feeling, again, that I had feed several end of the feeling again, that I know but ones I deard. Ones, You activeed wonders with the risk and made your bedroom claims World Wall II. Levy Wombeling I had ones called materials and wall of each confine that of each c

just eggs and an old microscope. But a finanth century microscope I used a swaring needs I shapmend myself on a stone I kipst things stants with aboutot. When I contended a benouting microscope I thought it was very venturagent—an frousand lay, which was a terminosus sum then It was a pure miscle that I such

When I caded a becooker missioner in the found in which insulation with the cade in the ca

execution, electrochemical and section to be characteristically. Today a societies could not go that fine had only a bedroon and execution to seculd be indicated. Ceret When did you feet vasuable https:// ceach the article by Elmer Sussee a borner teach the article by Elmer Sussee a borner tacken of viters. Heartsurgh Sussee a borner tacken of viters. Heartsurgh Sussee about the properties of the company of whose was the first to develop the held of

chick embryologi. He stated to impare the temporary of the stated of the country of the state of the st

passibuty on review calls

I separate Hamburger's experiment in
only bedroom—I couldn't do anylying elde
My enlighted make differed from his I
said that cells de following extration or
the limb for Boosuse muchous is meaning
but because someting is missing in the
peopline's laced that the name cells start
to develop but then degreement because
they have no baid in which to but off in 50
ms. I was a malford of stopply after growth
to begin air on all but of industrial
to begin air on all but of industrial
to begin air on all but of industrial



ass. His idea of induction was taken from vacue word means, but it pleased embryologists at the time. But it was a term I dichit appeal So I replaced if and, by the www natured I was night in 1949. Harmburger er mediately acknowledged that he had been on the wrong trail. There was no-

reinferpretation of his expenitions? Levi-Montaldini; He spoke with [MIT more) tsologist] Salvador Luna, my schoolmate. stay I found the place marvelous and the paggie expoedingly rice, so I stayed for

I moved back and forth between St. Louis

Answers in 1948 Planker, the creditate saudent in his magnative experiment had the sensory cress. They were very very ing the same method I had divised in my ered that fibers were growing out from the mempethetic granghe-far foo romote from said it was, to their of an additional limb. In my tempus article published by the New York Academy of Science in 1952, I read

factor that forced the cells to grow more occurred when there was no connection bud because the turnor was extraordpanis more impressive. I and, I have to do the scheme it was only later when Viktor was in Borton, that I realized there was an additional effect—that the sympathetic fienered made blood vessels where they

that the only way to prove that the branch-

moral agent in such a complex system as

a tossue culture, where I could put a nerve

So I decided to go entry myself in this of which I had rever seen bakers where there Moves, an expert in tissue culture. I went carrying in my pockerbook two mice bearworked out a long senes of experiments

The moment you stop working, you are dead Why should I not

use my brain as I use my handwhich is as good as a twenty-year-old's? As

long as I have this advantage, why not work?

tastic runsber of tears, in a halo like the Owner Whee mid fred your warm for noticing

Low-Mortsions Victor is a very learned men, but as an experimental empryologist student of Levi, who was an outstanding

alized I was seeing something entirely out Ceres' But when Lone vector's you in 1965. Love-Monthsons: He arrayed below I pulplefted my paper, and started saving that if

was stupid-if wasn't possible that never fibers craid crow medie a blood vessel dogmatic. Something so extraordinary nonsense. You are named your reputation

I said. "Please on and look at Anzona

When he came back I had reconstructed recognized is showed that they were coninclost of the nerve cells and were not colmay afterton ble stat (Maubo con) let importance of my decovery. Years, labor. when he was an old man, he acknowledged the importance of my findings.

aspollant terms with here but was never of was a splendid man, scientifically and eth-We were on very good terms until the

an expellent charmen of the department the was very centile with the heavy any belicame to me and not to him Bul I be-

Owny When did Stariey Cohen arrive?

cellent forms and had a very good frendship from 1968 up to 1990. San stort Fed as renve growth factor From the time of and I formed an excellent team. The work that remained in the started amon of NCF was

search, we discovered two other moorsart sources of NGF in snake vectors and male mouse salvary plands. The latter how been used ever since 1958 as the that blocks NOF activity? I meeted it into

precised an imple Opport Why chill the team break up? Lew-Montstone Because he was a backward not a beloast, there was no

desper. He went his own way to do this forme Tasked myself. How can / go on? It damaged my work for a long free, becomparable to Stanley Cohen Onny. You never married



The mirror is the master of illusion but will provide the truth—only if you can bear to see it

THE LOOKING-GLASS MAN

BY GARRY KILWORTH

reserv was standing by me all the benefit which is belong down on Vehral's largest park. It was a cosp Crotice day stated, and the light was ground in the stand and on the standard manufacture of the same was remoth and sits, and the reference of the clusts distributed above as senso

es concrete shotes.

That Alloe back. Note of it sitrus,

The Sale Thows Carrott had it wrong?
Consocus of the guards outside
the clear and that it was disk where
loo infamate a scene it someone
happened to intellerate in mode for far had to all in the other again, when
look my own on the other side.

of the class.

As a Vennese doctor of psychiatry I was of course used to become street mental to become streetments. It would not due to issued him however, the time of the streetment of the s

It's a noncesses tale for childron". I noticed his eyes during glances at a period chromatin plated sessions of a period chromatin plated sessions of the eye hand, and to put hem casually in the eight hand dissesse of the eyes hand to see a potential weapon, either to use on histosit or others. But now I review of worth that at all I levials the property of being alot to reflect an image that

No You don't understand. Carroll sizes it very clear that it's a noance world. That it whose I agree with him? Drosser had been glaced under

Closinal hard beam placed under my observation soon after the nodom I fed under greezoure, with all door—with the whole world waiting for a discussion from the I denti Blar weining under such creamizations. Calea like has need time to weaked soon on older the case be drawn between mysteries and certify. The and waiting displace of mertal and waiting displace of mertal are a card—match whet lawy weined frommig and I stalled at soot. unprofessional demands for a hard defeats appropria

had one well-of trought left his high properties. A few days provided the label base were used. During that which it may be the object were many the base on the thin kind of half bisocided screen of a born of half one higher is harden remove but a high protected where—a way wearred in pack for a medicant lelevate the acream was coming from the contribute of the contribute of the label the power to the contribute of the system of the contribute of the first properties of the contribute of the ground focus the report ones from made in the significant of the system of the made of the system of the contribute of the made of the significant of the system of the made of the system of the system of the made of the system of the system of the made of the system of the system of the made of the system of the system of the made of the system of the system of the made of the system of the syste

taci aware hel we were skaling around the rocdent but leeting the need to approach it grackatly. "Was it being contined in a small place—in the clark—that highlaned you ac?" But it wenn't dark. The light was on all he time Chily the power to the

trust I said. It's not meant to be true PAINTING BY RENE MAGRITTE structor teef was out of commission. on an earlier comment to me that he was

He placed both hands on my desk. "This isn't belong my situation" be said

all the facts. And they were facts to here The hands slid away leaving marks on

Thinks to cert out of twee Oliona (1) tell can help me-though God knows who that might be Someone must know how it is

He ran a hand over his belding page peared from his voice, but his face still right-a high-level meeting, the subsect of

Tim not sure on, shif, as an agent for the CIA. That was my main purpose for

agex?

The important thing is to get a clear pic then can I see someone in authority?

I nocided 'They resust as arosous to talk to you But yours on Austrian and Welmust as in gurselves. We've made great progress in the last hour. At least you're talking well be might, since he had had little real

asked him if he wanted to sleep, and he

week Anyway I began to develop a phowas something wrong with the lace that What? What was wrong with it? He wood his pains on his pants. They

looked to be aweating profusely CMM

Looded Olay What did this other

with bosening paid. Brown eyes. He scribing my own appearance, but though the mape had similarities in looks to my

I was about to write-down something like. could read it from his position. England I said "Okey So what did you do about it?"

That's not a word asychemete would

6He'd been transed in an elevator for thirty minutes. Dunng that whole time he had been someming.

he told me... a high-nitched whine which pover faltered

or wavered for an instant ?

He aroled-inthically, I think consider Out of touch with reality? Vague No that there are no black or white awas -- only gray. To sepassis the human

him utlarly required he fascripted me surely you can see how unacceptable that compeling-it draws the daze. Curosty would be I thrk-though as a little early I culled him back to himself in Sworty-four hours. But I had allegely Det you have yourse? Water there you

> He shock his bend "No yours Marr vour question no l'addrittellarivane I was but I waent cuffe sure what it was at the thing it been under a lot of pressure and

minors in the city. I was ostensibly work capacity as an agent So I went to visit my boss first-at an apartment near Times

On the way I must have seen him the reflection if you want to call it that -- a closer. bries, burfished brass nameplates on doors of yome fasciale to drugstoriocan laved them I said that, didn't I? Norcissus wouldn't have lasted more than half

Each time I planged at my adversery sion. He knew something I didn't-was from doing samething about it there and That words a bit old-lashioned for my

arched Anyway someone with a bivisled mind, ready to take the world with him when he blew termed to pieces. I was too outch how magnetic mirrors can become which its imperative to avoid them. They at depth. But you can't study a men for his weaknesses when you can't look at himand more than that it was something within

him from time to time. As well as Inding is a stronger deare than the word inachievements and meny of our downfalls—the human race. I mean it als beave word too often taken lightly Many of us

"On there's a difference all right Curouty killed the cat, not requesty every. Don son ruthlessly A quick glarce was all I ever

Tican believe that I lead and meant if

my with my boss, who told me that it was weeks were influencing Russian foreign maintain a very low profile Crosser suddenly pecked the head of

okey Said I was looking a be pale Talmost to keep my trap shut. They would ve taken mooff the job which was important to me

carpor was I didn't want that after the briefing, and were to my office at

got about my problem-waited the week-

eyes He was Arenne I swear at Those was hate menace, vocusness-those eyes I struck him with my fed. An instructive

Crossier's hand besides bearing a heavy gold first was patched with fland

The mirror shazzered most of it falling

"Organ there, I took a hold of myself. I the stancase-of keeps me fit. But some tence I'm in a humy and if the olevetor's

He made a gesture it was one of help-

"I couldn't do anything about it. As soon fought as hard as I could—but it burt like hell I don't mean physically county). I mean emotionally spinually its the first time in my life that the word agony had any resi You mean-you changed places with

your image? " frees and I had to look away from ten for

He contribed 'Anyway I had my meet a moment. There was a reeking-frats. the only way I can describe it. The mirrors toward him. There were hundreds of famand me-you know? When you get two danced a semicircle, our palms, our loss.

carre-in multiple waves, through every racie of the mirror, and he was graning at

is just not possible and I have proof of first "Isn't if obwous? You're still here---not in

some looking-class world reach him or if he was in too deep to be

"No you still don't undersford: he re-

€7here was a melting-that's the only way I can describe it The myrors became molten. Burd, and I

was drawn loward him. There wore hundreds of

hyn-and me-you know?

plied quetly. "This is the world behind the world. Trus place is a pale reflection of the

the Dower and threw it into the trush carr gittin. Somethow that beatand found a new

Tknew he would have an answer a way if was a clever one -- one difficult to refute. what they said but the way in which they told e-the tone the gestures the tenguege. They argue with such sincerity. "Can we try an expenment?" he saked

Tio you town a meror? I want to have a I had misowings. He't that this might be Two already tried it on my own I work you to witness what happens

level with the mirror he refined it to the sale. "There! I've cred trumphantly 'Don't you see? He won't look at me. Here alread than I said "All two seen us that you can't look.

God darm you no That isn't me it's laws the similar controller's seat now. The will in reality you have no choice in the "You're merely mirriciang the move-

ments of the gods in the shadow world of on the other side of that glass. I ve been compactity that son of a bach—that more to rwest sectionarys in his haritis---or nathor

news on the video recorder. Are you ready I already had the TV set on the end of

> These was a moment before anything corrung down the steps of an arcraft. Austree politicars are at the foot ready to ward the arport buildings as the hand-

> The scene changes Still Breinkov but climbing some steps toward a meeting half somewhere in Yearns There is a provid photographers. He points at Breinkovs.

cries, "Men Got!..." set us the sound of a dhalp creat, is heard. Bratiscore "sead price sideways, and he signs from ever an initiant fater. Then is much shouting. A shuggle takes place on the steps. A main is chapped away, and then is total confusion for quite some time. Arosous officials, were every the TV correct.

I switched off the video Clossier was still staring at the screen with an angry expression "Dad you recognize the man with the gur?" I asked

gun? I asked he did not reply for some moments but than rounded on me "Of course! recognized him it was me"

And you knew what you were doing?

He face was set in a grim mask

"locularit help myself I was doing what
I had to du, because my actions were determined by Jam Heis the man you were,
not me. If I were in my watch, the

"What were your thoughts, immediately prior to the assassanation?" He make a fulle gesture My boughts are of no importance be cause frey no longer belong to me. They

come free to dear source Look. Threads of attending questions I want to go. Can I go now?" His face was showing agree of deep aments and I was shown that he more col-

arreety and I was afraid that he might collesses I present the buzzer and the guards came in and book from away. Shortly alterward the American ambas sade came with the room. Well, white of the variet? The inlead

Well, what is the vested? The unload twent to the vested? In the unload twent to the vested to the unload see with the light behavior in the glass is been unload to the other the was a taken at many the see the the unload to the unit heavy feelure and as the unload to the unload to the behavior controlled to the unit of the behavior debotted or wheth tuesd to pay cheep with the controlled to the unit of the pay the unload to the unit of the pay the unload to the unload to pay cheep with the unload to the

"Its a life too early to tell These to sp more time with him."
We haven't got any time. You know as well as I do. Doctor. An American, i the Pussians claim was a CIA agent assessmeted a top Commo official. I

much time do you finish that liquide us? He's clearly insure. (read, Surely that sup to people like me

at decision in the body of the control of the contr

what's at stake
Thift you know you have to make a decraon—even if your professional integrity
is threatened—and it has to be the right



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to it sounds (for charmele, "Knokadal"), and Spellmaster will inmediatory provide correctly spelled words that sound like you entry (the display will show "Chaidle"). Spellmaster's accounment of word cames includes the Placer and Multi-Placer Hand-

Word List Builder from latters you enter Scrabble Word Check



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•I believe that the Red Sea was parted by:

The second control

ANTIXMATTER

his cen of the most provided in the control to the

We all know see have yellow seek to be used to be used ask yoursel wheely how God used its one of? at the mannly wave a representation have? Old he blow and Move?

ment. Then it amed its enrolls elected properties to see all few series (arrange flock). When it is always because the LEO elected flow between the common and the series of the series

UFO UPDATE

process of clear sports were supports were play payaged sink of the angels he as in other words he way of the carrier st her will wis completion. PhD in philosophy and no new College of the control of the carrier st her will be carried as a completion of the carrier st her will be carried as a completion of the carrier st her will be carried as a carrier state of the carrier state of

University of Edmburyh in Bestand, the premer Probly arisin learning estaibitmen in the world. Twis in homodid or my distoration thesis when it he me in a fasticot. Drawning arys. Assuming the UFOs are true and mail they might have created for green rate.

of the two there are no native transport of the two there generally all products of the two there generally all products in the two there is not in high signal by his took in Generally and Carollas an

who cares is watching over us. They're like shiphs welching over their sheep. MARK TEICH





to anyone who has seen to brook of Jacob who has seen William to compute contest if who all come is no seen that after 35 cars of UFO research he little macking in the bear of other many UFO Degree was began in bottom as to get in the seen of the contest of the

have began to book on claims of anni obductions. Valide is quarty working ser an of the divided antical veeling-not program called Christians. Be purpose to develop an ofcoret mone of spessing blackfeld Fige Chooks (IF de) from LIFOs. Laccoption, IF de) the LIFOs worked from the control worked from the control to the feel. The poperties of the feel The poperties of the feel provision from popping with provision for popping with provisions from popping with provisions from popping with the control of the control to the co

such signing enformation as amough display deniethed in runnber of objects. The company of the c

Democrate is and base can quickly of the mundane queexestigator should a new sighting repomit because he of focusing too name gystem doors not it.



the lag packurs of deren via like what time the moon rese or where Visical is Valke I sall brikering to all the port is quite press with the information that makes up Own opposition edge base—as much so edge base—as much so

copy of the the Perpoh government Ferror scoress are currently testing if against UPO deletewase of their own Paul NoCo-thy They say the course of resolution is bunger in the interplantative packets Out Mandandam

Ster barrys belings arbo once every live moustand your descoved from their after recursions; going old beings with become validte in the value of arms and others for Blody. The Indings indicate without

is affective of a cloud? That is each of us lived on other planets before covering to Earth.

On Tidor Lubonar.

of They pad easy to taxon a small They page to hair work of the house but coming often theretail to coming often theretail to coming often theretail to coming often theretail to coming often the same of the coming of the same of the coming of the coming

intergeneral of a fining rates of the season of guest of the season o

same time. Wade says. If hely keep serime the death serime that can reproduce and we worklast same to death. Because of the we have set if up to the paid with around sit day. If tak their second Short all with serime the second Short all serimes serimes and serimes serimes and serimes serimes

THE HEALERS

they couldn't be sare that a nucleic soid (DNA or RNA) or over a virus hadn't conthat the extract was a nucleic acid, or seextract was a protein Instead something Cohorts first thought was that the snoke

zwee had nothing to do with it. When Cohen extracted the snake enzyme that

Most decoveres are made the that

show that the chemical properties of the ing for in the salwary gland of a male

made in the salvary gland But he save

do even before it was purified. Cohen inand in 1961 marie history. The development of any organism is linely choreographed with each evert taking place at stance, are tightly closed and do not open accelerated nerve crowth. The eve and ing to do with nerve growth. Cohen knew second growth factor lay hidden in the

That they had stumbled own a second

crude extract

been moreolitily traffill so much so that the two would sharp the 1996 Nobel prize

only. When he was recruited by the broversity Medical School in Nashville he wander off and do as you pleased " he factor, the one that affected eye and loofs development in more

By growing little cultures of skin in laborastrruksted the epiderms....the cutermost liner of cells—to grow and differentiate made the baby mice open their eyes ear

For almost 30 years. Dohen has purlock Holmes. Unlike the usual progression into the corner office. Cohen remains a



"Vid were up to me ilid give him the dams cheese and as home!"

and down the corndor by himself while hehave ever known I says Coheris longime.

head of boohemsay at Vanderbilt. He does his thinking in advance I tease him.

gause a cell to dwide. That is a buy calesmate nature of organic life. The first steeloward that good was accomplished in 1972. determined the structure of the EGF melequie. Not only did they neel down the se-

naxe the ESF molecule and an inside enzyme of a class known as tymene in-

question that now procupies Others in he

He is not alone. Coher's work has seen has even encondered a breakfyrough in colleboration among three scientists on don Joseph Schlessinger of the Wast-

south of San Francisco water's edge, with San Francisco in the distance. Generated is light blue buildings. and Moorish arches look live an cases at founded by University of California scien. tests in 1976. Gerwintech is the acknowle uption of \$3.2 billion. But it still retains some

the Generatich calciens where several hundred people meet to dark societies hales. Handsome and upperus, with a to done the nowin gone ... that is, to determine its complete chemistry and molecu-

When Michael Waterfeld learned of this work during a visit to Generatech in 1962. he had an king. He Ullech and Joseph

> **6Llinch** has found a direct connection between broast

cancer and the number of . HER-2 genes in tumor colls. The more copies

found, the more dismal the prospects for survival ?

clarie the ECE receptor. Since the receptor seemed to resimble oncogenes, or can

Without toling arrone elso at Genergivene call" he recalls. It's Mile, all exgoled "Wilderhold and Schlessmorr had hill anmais. The three researchers suickly published two papers in the prestigens

published papers ever." Ulrich says Although months can elapse between the 36 days, and the second within 16. The wided an explanation for how a normal factor receptor acts like a kind of anienra. trenerating the signal that sometice fells came altered in some way—either by a vitaneous mutation-the signal to make like having a broken faucet from which

water endlessly flows genes for two other growth factors-plate gells-are also romarkably close in structurn to cancer perses. Ultrich and others have also trived facual mouth, general and more both in animals and human lissue culture by tricking cells into making extra

HEB-2 latest for human EGF supapports. lated receptor). Working with a doctor of UCLA. Ulinch has found a deect correcbert's furnir calls. The more popule that

Using a probe diswipped by Lillech, a

cate what land of thespoute stratecy to mine amplification on the aggressive and There could find a substance that binds

of the pances, adds Ulinch now working neered antibodes that do just that They For many other spiertists, meanwhile, the not cancer but healing. The first company to canduct clinical fresh in wound heselve entech. The company became involved wher Granm Rel a monerch scentist structure of the human EGF game. With the

term thousands of gallons of umer as was necessary before says Paloto Vatorouela. director of research and very proudent of Christ (help can burnt out by the gain Sector behind he dept in a spicious office has included, a public conference area, the dain smooth stating, business used this prouds book the he embodiment of the modern assistativescules. He pode up his behand assistativescules for pode up his behand assistativescules for the modern assistativescules for the modern assistativescules for the modern assistative of the modern assistative of the modern assistative and the modern assistative and the first the size has grown in the small proteins about the soul degital vector has moderned as and assistative and proteins about the soul degital vector assistativescules.

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Statistics: "An instruction of the control of the c

or three days to set one.

Effection of outcome of Jehrman & Jehrsen feat size began testing the heaving supplied or Jehrsen feat size began testing the heaving supplied of Jehrsen growth feat of the feat of th

for things the diabetic sloers, corned utcers and burns But now the theory is that you can manage wounds in such a way that people can have the time they must stry in the hospital.

step in the hospital. Freally while PDF can bern a biological Brank And by surface wounds. Once and and a brank of the surface wounds. Once and a penalthir of history excess records and of feet in the cerem the memoral type of feet in the derme the memoral type of the history excess a supporting hymniteral back the cases a supporting hymniteral back the cases as supporting hymniteral back the cases and place or each to hold it to be a supporting hymniteral back the cases and the case of the cases and the case of the cases and the case of the cases and the case of the cases and the case for the cases and the case of the cases and the cases and the cases and the cases and the case of the cases and the cases are cases and the cases and the cases and the cases are cases

éif law EGF levels turn out to be linked

to male intertitly,
then growth factor injections
might boost the
sperm count. An anti-EGF
compound could act
as a male contraceptive?

Isotians greath factor which similation to epithesia of college. The content to the parties of college the content to the parties of college the content to the parties of the college college that be deduced the college and the college college that the college co

defence there—by samating the growth

eday be used to regrow har on the you introduce a new comsis trainmental. "Intry our have to macual areas like healing the ex-Then you can move it to prois and finally to cosmitted." In the applications for EGF some internal published over what exbetances in some ways it acts over which is also a chemical sale the cell to do something. But in other ways it is othered. The clientack way of colleges. The clientack way of colleges is browned by the colleges in the colleges in the cell of colleges. In proceeding the colleges in and see what happens is there a college. The colleges is and see what happens is there a college. The colleges is the cell of colleges in the cell of colleges in the cell of c

grifted Clary Stim-Access Attention and Technologies and Technologies Access Attention and Technologies Attention and Technologie

paint informed to home.

The doctors have any very excited about the findings stay failure Clau, a center investigator on the stem. They have a lot of make parents seld owner report do conventional homerone through with F24 (so de-shessitating farmone) or tools showed and they we always through the first homerone through the first home another unrecognized laces. That have enough the first first failure and the second of the the sec

for could very well be EQF.
If the EQF levels turn out to be infeed to human-male effectly as Clean now trying to prove then if a possible had be growed factor injectione might boost the sperm court Moseover. Our says, on similar EQF compound could not see make configurate by lowering this perm court, and in tableing lentify.

One has seen sometimes on more may be been for women in studies of lemay be been for women in studies of leteration after improprise. Proceedings of the control of the control of the control groung the amounts (EUF counted them to destip even more luminos. And in the most opening the amounts (EUF counter studies there focus study ONs and co-workers have found that there is a very high concerts and dielfor interest.

With EGF attacking so many offerent supposits of bodyl function. The pflammosusoil possibilities seem encloses an arth EGF compound to treating centror EGF con terring artificial teams for didder people with surfier time of yeaps. pro EGF drugs for mole infectibility and that arti-EGF in bodylarios as a make contribuciophive Bat EGF is only the beginning. The other growth foctors are externing for time with.

swe potential of NGF the growth factor that scaned it all. The possibilities of this substance are so mish-bogoling that Gonon tech, which helped close NGF is now prowill soon test its myread effects on animals. togeterate merves at bown discusses that degeneration. Although the possibility that tachment of limbs, for instance

insay is still far off he believes that it or related growth factors, will be useful for

patients to normal levels and beyond. Other as reported in the prestigious journal Scrmedicane equal to antitrotos says David

Golde of UCLA agent was last suspected more than 100 years ago when a French physician no toed that people living in the Missoan

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None. Astres ----- samulated the bone marrow to make red blood cells but it wasn't until 1957 that Lean

was understood that all blood cells red and

scientists found, bone memow-grew only in

tots--- GM CSF---and start procketing it The importance of GM-CSF he asserts

we could do once an infectious disease

By stroughing the immediate cells of the cells the shock troops of the wmuse sys-

Golde '4 makes the host a better de ferrier Except for errounization, we have cultures and in arama's Golde could not

Grozoman, who is now a hematologist and

soared. "Watching the white count come done in science "orthuses Golde "To my been done in human beans. We may know

his white count whatever number we want GM CSF has absolute to AIDS, save. Golde in the leaf tube the drug stimulates. the growth of white colls. "It is reasonable

lunstic infections, we can reduce mortaid-

resection scouled for the glusive factor that anomal (ferson: We don't cure dispers) deesee for a long time " says Golde

Theostocally GM-CSF could be used in burns those who have had bone marrow Imagine what it could do in the Third World "movee Golde, "where the mo-

remains a different saw in the developbone marrow cells Enythropoetin which has corrected anome in palients with severe lickey diseases. G-CSF (granulo swde range of whee blood colls, each play

are will tolorated in patients "A very re-

programmer Vancuità Porche

and present analyzeth factors as well We enelogy of the growth factors that will be

While we have not you mached that point second occurred a scart century ago broady with the rambrous of Salvation the

ease suphils. Now with the ability to probecame the source of our own healing, we medicine of all DO

INTERVIEW

simply could not live with another person and adust my own life to somebody also s or children wert a bit from you and you are

not always willing I was not always will cellentrelationships with many people But never would I have liked to share my life

Ower is Europassible for a women with re-Less-Mortalons it could be done but it's

to different places to work. In the peal fee

but even a brillant girl may have problems in bearing a good accentral as well as a good Lew-Mornaces Chi no I don I belove hal-

One has to sacretor to the waters of the the husband accords it. They are not Noteactly bedder from the men Ower Would you advise arrivatious female.

Leve-Montelors Do what you want Nou own divorce later on it's an expenence that

maybe is worth a But it's not necessary to There are many afternatives. You can arri-Deer If your aunt was a mathematicien

Lew-Montaloni. My father's view was not ther matriages suffer I don't believe he with anywey He came to the conclusion that for a woman it's better not to have this conflict. loant sensitive and artistic -- but submisway The ideal by my bither was my matter

He took every decision, he shared no womes with us it was only when I was twenty one that I dased tell him I was not but that I could do what I wanted to do My mather encouraged me to put the question ded almost immediately afterward. He was soll young, but he had a heart strack Own You've been on the gutting edge of is there are reason why a healthy person Levi-Montalant They should go on The

luse my hand-which is as good as one beignand to a twenty-year-old? My mini would be unhappiness beyond anything else I couldn't afford to go on without my

Grant Haven't you recently studied possi-

ion responses? Is it has that some immune gets make their own NGF and some remune od/s have receptors for NOF? Lev-Montalder A young colleague Luig pells (releases d'areccagularis sero garrette as well as tesue culture. Parhaps no much NOF quals in the salvory plands of fighting male mice because there's so much more lighting among these mice than

first the immune system is subject to the Leva-Montaign: Ch. it has always been known that psychological conditions of

neive cells. So NGF is a powerful tool to study the religious between the nervous glso be obserted as a reuropapade that der panditions of infection, but histamine

We have also found that NGF works on laukocytes [white blood cells] and lymafter this - is to lind out if the NGF recently can be used in decemes such as Ale

Levi-Montaldrii. We still don't know if the memory center) which are disdayed in

Clevel. This NGP you're working with hos Low-Montaloni Yes but it's arrical identifrom lower vertebrates up to man. The cal eighty perpert preserved. We have almore worked with mouse NOE up and now Grant At some port might we be able to

or even regomerate lenter? thirton, but not man. Regenerate a limb? regenerate an amputated leg? Literit para about such fertaxes. I pass about the con-

ers of incurable dependrative discover Owns You won the Nobel by imponing the Less-Montaloni Certarriy but I push in said consideration and in purply depotion. When if cases foo much and you have to reveil

an amputated limb. Helping a priniplegic now it would be even better to give back you disstray the speech part of the brein, if





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dayage No Althemack which has under mired or is altering some particular cells.

CHAN, You can't grow more healthy colis? Leve-Martisides You cannot requestrate in

and carnet but I don't like to speak of that we have plenty of degenerative dis-

degenerative diseases. Cancer has a lot Ones. You have met many of the principal mot in the States, because he was working

I arrived in 1947, and there was Walson, a gant. But he is an expellent writer. His sci-

before I had so much recognition I was stweet very very happy My work is tesci rating, and from the beginning I never obsendoned research, even when I was in two way to spend your time CO

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Fred Hapgor

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in history. I will be as a remegative organizer of microcomputers. a Cesar Chalvet, or 15M comprohise. Specifically, what Jerrangs dub from 15M to 1555, was build a decentralized computer natwork. And he did it without the experience hereful processors.

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to take advantage of late right phone rates. To got Fictional early users had only

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to obtain a fise copy of Jermings's software a list of all the note numbers (system) or retexact addresses of oth marriad Influors, and a node number for their own ret. Subscribers could the influor their copy of Fishore to send

The re-en-ret. Suscribins could then instruct their copy of Edotre to end in Fall News. No. 1994, Dec Shrift-comodi-en-return their dipt of Forest would call a feel to end in Fall News. No. 1994, Dec Shrift-comodi-en-return to link and ender the tender of the No. 1994, Dec Shrift-comodi-en-return to link and endings in concern to link and endings in concern to link endings and endings in concern to link endings and endings

admix Jennings. For a coaple of years Jennings, who was working dage as a professional programmar at Apple Computer power invariant etc. the option number problems and the translated of other problems, that program Received in the apple of the building something may be a hard to creat. The deservation of the translate of the coaple of the coaple of the deservation of the coaple of the coaple.

decentralized system Jamings invasioned and determs, maybe hundreds of other

Adopt Anonine saves for the little guys

country caught his vision and began pouring ther own energies into the not thousands signed up as system operators

Thousands signed up as system operating of STROPE Today their are more than 2 800 nection on Footh American List I styll men as location in Morth American. but I styll men also scetamed sound the world 100 each in the Nederlands source of Australia. Sour in Pagua New Gurtres.

As the network has grown organized.

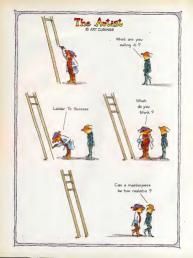
ores. For instance is sainchada correnttes was apported to crour that new programs were corrected with factorial Another correstees was set up to spook with the manufacturers of high opered moderne. Ordinant sums are a big market for 9600-based moderne)

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and regime a support and account of the control of

the first huly decembrated and although the first huly decembrated and although computer nations didn't like what was happening. And single handady, once again, he was out to shake it up DQ





Observations and State of Stat

FULL GEAR FOOL'S GEAR



LOOKING-GLASS

rie are concerned Jesus, il was not i on

mother ward to hear he's crazy

decision—that Crossion was a briefly. Any other conclusion was unthrivable in the Crossier is a very sick man." I said at

He strew frimed up and rokel spread

course I said knowing that the arress

sounds credible doesn't it?

minds and were prepared to consider any possibility even though it was widly fan

such a naticulous tale-give it any onedecron at all but if one were to well a The ambessador's eyes rerrowed He atil had hold of the handle as if he were

madess because her bensolver are ut-

He smind. "What yours trying to say is that if such a world existed, we could send considered commoly resone

Breinkov was an obstacle yes But

face the same ordest. As I snapped my

that morning. Not me though someone

You made the decision: I sold ham "Tim set your copycut. You relieve me of all re-

rapped his elbow on a chair Linubbed the painful spot oursing him for his obmaness DO

CREDITS

DOLLAR BOOK STRANGO

STARS

one publicle the observatory the light would appeared as an orange proport in the might What kinds of interference the atmosphere

Their achievement caused a str in the astronomical community "If you create your orner at the National Optical Astronomy

lock anywhere you wint available now the military already has 6-

to the socium laser. A sensor would then pattern of defortion, the carriers shuffer peofed up to 300 times a second. The

Gardner are trying to retire the laser and stance or new stars becameno to form in the Milky Way Says Gardner With a

conscands. It's quite a challenge to make

the Hubble space telescope DO

STARTECH

ACCESSING THE FUTURE

SONGWRITING

Pervision of a recent muse tracky how was screening early budge progress would be a computer would be a computer program that less you play any susce you was not a particle keybored. Then particle keybored then processed to the particle keybored progression and consist the afternous What the means is but What the means is but

What the impane is that everybody can become a continuer to have been become a continuer to riving ident have to need a note of music to do it thus don't even have to be able to whethe a lare. The computer does of the bankrepton for you." says Bet Thes of MP: Incorporated "It you play an eight note. Swill print an eighth note. You will print an eighth note. The

what an eighth note is!
The computer system that these this is called Personal Composer and it sales by \$465 it allows you to connect almost any musical keyboard to an BM compatible personal computer, then perform record pility back, and not all an any musical and personal connect and personal connect

composition your lingues are caucided of playing. If these son high, it's that the computer is too precise Some of the musus it prins out may have to be simplified in order for most musiciares to perform it. Unless, of course somabody invested is computer program that can read shear music and play it.

—Roper Field Access Bill Theis, WEI noosponaled, Box 559 Theorem 1986 Phone 200 operates



PUT AWAY THE

First thorn was the TV senal and then the socioles Earth states neith melong its own distinctive scalars of descripting statement. The days of the subside distinctive behavior about the complete days of the subside distinctive behavior to the scalars of the some securit covologyments in stephenoments.

A pertiveness of Metauchta Ecolor of Japan and Arriec call Correct his introduced a small flat ancients that car receive signals from special new high powered selection. A typical file afforms, when is only about an eith trick measures shock two feet by one foot. Despite his climinutive sain, it can feeble, the set by section TV signals transmitted. The major advantages of the enternal—other than assistate ones—one is ease of retailation (just mount a one he roal wall or pooch) and is unobtured appearance (just choose a color that matches has of the house). In addition, the flat anternal can be get up mode an

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A Salt Lake Day company hopies to become the first American firm to sall high-lect Sevet medical products in

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reproved to market a surgical
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According to Julian Ruste Offis marketing chief, the cycle water is called a SOD! or schubb aptidualma drug insert originally used by Pludian commonauts durin long one-drying voyagos in space in cruters file with 80 percent of most water.

B0 percent of mast wys medications are lost when the system tear change apple from it can be used to hear such diseases as glaucom or affectively.

The trocompatible

The blocompet deorthosistic polymer, or BDF could replace chandling sources of human bone for all lends of recordulative suggery holudor among these are more than 200 Go spiral fusion operations performed yearly in the

oscripy is used as a massive or scatfold while the body regenerates the bone. Says Russen of the new payment it decomposes within a year and oculd replace metal pins which now must be surgically removed.

—George Nobber

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package and powered by a thing in high reich hardware

time palculates the distance

Much like suforrebo microcing to take ubsecred riczyde from a sersor says

He safeta. The Japanese than 550 in hatclware stores,

SUPER MONITOR Although computers have problems Because of place when the erritages light is designers and engineers and it impossible to display a tube colled the Flat Tension

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the scareer in normal ambeom -Marione Costello

Access The correspon menter model ZTM 5090 is Island at \$969. It's designed to reapport the 640-by-450

high-mesolution VQA value



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TESLA

APICO used the power-generating potentry of all that can it could produce an imyou do with all that energy? As a happened, he also knew that say

waves off the ionosphere Why rot, he suggested, take the North Slope gas and He envisored using the gas to power to large generator, which in turn would prowaves. Using a gigantic orterna measur-

sample after. You could build one out of As he old his computations, he restand the amount of energy he was stealing with

netic force. "You can, leave Essekund." vir. hally Mi part of the upper idmosphere. You

sions to and from satellites. White you were

heat the remails and defical its trajectory Absentatively one could create what East

properture As a massic is surrounded by these electrons, they could pervetrate and All this has become of interest to APICO

rique. "His suggestions are interesting." tweets a big ofference between an idea. Why would an oil company even be interested in a scheme like the? Hruth re-

and desemble then presumably the conrecoment would build a facility (in Always) THE CANAL

ating it but he says the military's interest Though he acknowledges many of his

poplications have a districtly warlike charpatches of the upper atmosphere for exstreem, which plays a major role in shap ing global weather in another weather sunions. By brang sible to intensity and

What this means, he saws, is that by oon Eventually the officials decided that Golka was a spy and shut

the door on him, but not before - he'd managed to come away with 29 pages of notes

and sketches on the Colorado Springs coals 9

triting local weather patterns, one could exclusional politiones like corbon monosode

question remains. Will the technique work? Opinion is divided so fair but Richard Wichances in its composition however. Wi-

Eastund will not discuss potential mile tary applicators beyond what's stated on his patent. This suggests that many of the can do a lot of damage before arryons knows what is going on says Williams

coemic as Golkes and Eastland's In Calformal engineer and inventor C. R. Salve changed devices. One is nothing more something called boundary layer drag. Air or rull on that surface. To perproud call en He got two passess on it and then

Possell decided to revive Yestan idea. His "Tests ourse" has no littere parts to pri

conditions of vierous heat implies it should nuclear reactor for instance. Equally im-Possets words considered larguages

Posseli have also been trying to update profess Tosia menaon the bindelson has their blades. The heat of high speed perfect application of the design, says Possel With an oxinsty bladed-type bir time own the breest empurit of water is

competions designs, and because it a a ampler mechanism, the turbrie is less expensive to build. The result cheaper that the world may never know it and when four milion dollars a megaweth Our plant

> Finally the furbine produces cleaned power, according to Possel. "We have Noss release a lot of water vapor and

smalls into the atmosphere, and of course Jane Fonde doesn't like that." The bladeless turbine design could also

variations the world of average industry by planting and many of the Processors and Section 1 the Processors and the processor and appropriate processors and according to the according to stress. Processors the bladder a la limite would remove that him the processors a small bladders a table for the processors and the processors are t

tonal picergine.

Naw, after 35 years of recearch, Possell has belt a working model of just such an engine with William Model of the California-based Philater. Department of Department of Defense of from accraft manufacturers to Department of Defense officials tray beginning.

decreal returns about 1. If wft, "Popular declares file of, "Popular to assersance about the control of the con

companies of light' enterating from 'open within the Soviet Union' Beating claims of chorol finds pain rolline, which he has the beat has been a "Soviet weappercarbor of chorol finds pain rolline which he has the distribution of the source of control of and group to the source of control of and group to the source of and group to the source of and group to the source of the sou

sub muslature read in classification elegation to body. Resembling an individual toward in body. Resembling an individual toward in subposed for howers when the power for howers and in the power for howers and in the power for howers and in the power for howers and count of the United to 100 miles of the province of a create 100 miles of the 100 miles of 100 m

seas made by something oso—pomaps a scolar exapons less! Beardon's close have assisted life inlorest and less sympothy from knowlodgeable mandateam sciantists: "Yes, I wested And so ase has obese about the Plyssians. Bearded loserable sink that meet a control solerable sink in instance and solerable solerable sink in instance and solerable solerable solerable solerable Security Appersy nor the Defense Depair ment has bearded a part to the body. Find so the semans undearned. This part is so the semans undearned. This part is copy with a string. "They've been wanted whysi they do with it is up to their solerable solerable solerable."

What fley do with it is up to them.
Even his claims seem perfectly seasonsite compand with some others that losliphine are trying to propagate that Teste had mydelineusly been plugged into the same world energy system supportable by the prevers of the pystamists of that Testes ideas about electromagness may had

Putting forth recognision pose in the invention a nature makes these who is puttion with a side of the control of the control of the control of the control of the statistic behalf of the state of conarises power Juliancy forement, or many market power Juliancy forement, or many feet power in the mediate of the strategies. The size of the many feet power feet power feet power feet power in the mediate of the strategies. The size of the many feet power feet power feet power feet power in the mediate of the strategies. The power feet power is the mediate of the strategies feet power f



"Greetings, people of Earth. We come in peace."

GAMES

By Scot Moms

April 1 1985 Security officiaris at Last Vegain, Manna Hotal & Casino are notified of a bomb thesit They inspect the building and the immediate and outliese. They notice the fackwing.

lagriss of this incode manques and worster of them is some commons to a bornth. Spot ting a suspicious Fooling was particle most produce the driver for line registration wheth his can't produce the bornth threat. They do formed is a hold. The wor-

Shell for cases owners. Seen the advert of bid past, players have been tying to first in way to "as

spok players have been trying to find is way to "spook the dealers" hole cond. if they can get a peek at the tacedown card the dealer.

can obtainment their own p
This usually involves option
a optings of the hold as
the dealer states in unserfact case! One ploy uses
an anguler mixtur holders in
phony pack of organisties
or over in a faller to exist
the bodden of a cookfall
gales. Yot this sector per-

parket outside the casino.
When the security quarts investigated the vehicle they found a computer and a state transmitting device. On a talevision monitor was a clear view of the deslers.

January at many of the cosposite.

a large Western b concealing a tray. The camera tra the view of the de-



to the van. Based on the cards seen on the month? the accomplice used the computer to determine the openial stategy against the thord. Then he telescribe the information to the player who was recording to who was recorded.

opminal standagy against the hard. Then he strain-make the hard then he strain-make the hard then have seen to the hard then have seen the same that of the hard then hard the hard then h

and moutes engithing fact that increft scoturing was going on' says Dette, the world service to operating the auction of dearer areas and Dawen areas and Dawen polar molecular to provide the player polar molecular to provide the player polar molecular to player polar polar polar to player polar po

en a consultant to case erators who went to bo in defenses against hig in cheating. Such eater ments include the Dor Papublic's Omir Ino

ida fre Domira a Orara Ino nd Austraha s arazan ozainos acknowledge trg a expertise ur consultant a benorna a

the opponents hands and then signaling his cohert in could be example the paring through a hole in the wall and tapping in code or a loose Rosotboard. Example ments with such continuances are commonly known

asces are commonly line as peep junts In today's electronic pr joints a confederate can

joints a confedende can view opponents hands through a video camera of ceeled in the wall and conrected to a monitor in anoti-

room. The player receives messages through a mine tax carphone that fits into car canal and is powered. by a magnetic induction Other electronic cheating

numbers will come up. When

pracks mean there are no

took work. A water thin load

1996 book Best the Dealer prove their odds by keeping player should bet house.

ble ways of worang. With

nar of cowboy boots, oper

The Down costs \$4,000, rl

No one can possibly win Correspond hackers, however Newtonian physics Using

With a two person team

the wheel and bell. Using the he exticates the start and ond vienty of Callorna at Santa

or one eighth slice of the

of three solonoids—one: under the arch, and one speeds, allowing for nine advises to not place any bees.

allowly, for example if might

In 1965 a Noveda state law guerra, in kongung track of this

stratocy for playing or bet ting" by definition a device marripore in roulette or crees

people like Oraz to profest



LAST

By Ron Hauge

61'm a Mileen-year-old on his first job. Mr. Einstein's my first customer. I don't know if you've been

void the, but it's widely known that the man was trouble when it came to shoes. Flat feet

Architect who increased connegor force consumer Alexini and fail for the well. Mison, learned much alexal the genuse serily the aird lovals. Not researches at Penceton University in materials are or striking metallicini about he man. This time they discovered about he man. This time they discovered a tile-from ord history of the physician, longua in the Triches sea a WPA project.

On we used to rescribe, we didn't have the first that in did as well, up in Media Park Sor to get as well, up in Media Park Sor to get Au on the class well and on didn't did also confused to the moving park are moving part to moving park to the moving park to moving the transition of diverse with an interest if how to receively solding? In did interest if how the outer moving park growth. Dath Australia and another the control park growth? But the moving park growth? Dath Australia and park an

emented A High Pen on Ings faither delegations when no cores in the Arthy High no. At he was a treat per direct the readwas heaver made a treat per direct the readsist meet waiting this tim the componesian Lead my "Life Laif commonly the break Could be have been more seconds." With clow curl? I manufly couldn't media Dut committee is been to read a world high Dut committee is been to read a world high time.

BELY NINOT: stand-up converber.
People don't know the about Albert but his list love was draid-up corresit when I study to consult within a fine community college at Landmust being the list abstract to ened. Very unique approach to home For council, over body also in the close would farm.

geach to whe is so by "New York is so defected from LA", objected But Albert in out of the sound for the sound for

Co ha froi paper he porveted a little "g = xg" in this cone? "Why sports he colesse se a ularing fallish record what you can get a dop whethe for a quarter? He was a very furney portion, at 8+ sucture, in my opinion ha wels thy person

Princeton Kiwaras Club
I report lived the man, You kno

impressed. He just sait there and pickets his chicken fried streek. I remember Bill Shannon got up at the most unit askers "Sh Albert" of the united

Aug "Sir Albert" if the unwealthy devoted in an on-campus yalf-type complex. Romember

this is 1900 Full you, the man was little yours and of other time? Engines you status back at Bir I honosity believe the defail understand the compact Genus? You want to wait a yould grow? Go up to Birl Shannon's grove the out on

MELT-EPISCHEM choc solverman. Ex several properties again in a though year old right on the field job. MY Chesteria right first accordance. I don't Arma of years been took the several pool of the widely harman in the industry first the more west struckly when it open out to should first the more west struckly when it open proportion CO, Mohly - Always had to by of the whole feet. And first proportion CO, Mohly - Always had to by of the whole feet of the seven would not concentrating on the first a bit's welling. Amount of the seven would not concentrating on the first a bit's welling.

HATTIE WILSON, owner Hubbe's Pot an Hostise (Goald Mr. Escenstern') He tweet in 221 inglet own door to the abop. First time he care

ent year to also discovers from Werh Loads day 4 years are their good with the could be to the second of the secon

solved multi-bases. I take of 7 And mail favor many years blee hish made mid policyte. Nove Loudy year is that the solved modelper solved in American echacismost system year very heapt? (Phasens to high! convices, hou prever mind. It is hen they and copyride). No septiated and all his hong devices, hour prever mind. It is hen they and his solved to develop the solved mind. How has been the high of a black mind. How has been way the solved mind. But has a long poor of the first the way? It is

GAMEN PETERSEN, Proceeding in nice. More of the guidescers appropriated in whan you wanhad off the blockscead bit. out Di. Erstein, Every moreing had beed into types. Way is seen it head in you to do, and I was bound and deprimental to doe in girl the watern the rich york-clonest in the university Business CO.

> rrusings were either those (Workman instrug 1887), buys be reged for a secur course by in igning quiet abs

