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Text-based artist, painted.
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# MOISE

#### CONTRIBUTORS

## OMNIBUS









hile researching her story.
"Censoning Science" (page
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Stan found herself in an eatery in
downlown Selma. Alaboran "Hom outside
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"The investigated screen healty exchange gueraffic research and flowers surread clearn; Sens rags. But star moons; the surread surread surread flowers sens rags. But star moons; It these people I viewed it much more sanceusly and fingities are Foton writer. It course have also recommend orienting, sensembles for exchanged orienting, sensembles for Auth bodes lime at been started because they write been parameters.

because they make bease resurrouns about sections (bodies, ague 22). When a possible of the Color of the Colo

mer an organization that monitors college

Censorship also consea in the form of undereporting or the complete lack of coverage according to writer MPA Photon in such suppression his says. "Inveted the control of the control of the control post post in cone." Propost Object Mighton hall of lack as of Propost Object Mighton post soil in cone. "Propost Object Mighton with a cone." Propost Object Mighton and Mighton. "In "Internations" energy a chesique and safer alternative to muchas power that propose on and according.

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unwrite. They would rither drive evidence and enum ground or the facts. While creditories will be prevent the While creditories will be prevent the While creditories will be prevent the Vuller Farthases (rappe 69) certain stakes the untraffect margination that imprise progress or Constitute and misheous processes propel lus into the Vulne and the marked for in this case, were included a proprieted positional for making and the marked few content and opposition to the carefulling of lacinities Marked Vulne and the world of the carefully of lacinities Marked Vulne and the marked few contents and opposition to the carefully of lacinities will be threater flowers of the vilne and them.



## LETTERS

#### COMMUNICATIONS

Give Peace a Charcos
As a member of the Geset Peace March
For Nacional Desammance! I have been
welling scross be United State for
the list several morths it was a please
to open your November sales and find
the stonag pro-disamment article by
Bernald Lown and Expans Chalzer [Fin
Word] and the space drawings by
children's the USA and the USSR

etente" | Both articles stress | peace and cooperation | cooperation | cooperation | cooperation | Uldis Charles | Seattle

Id like to immer the question posed by the Lawriand Chapter or Fall Whoch the oil possible that a question certainy of arms expectations have not seculated in the dissensifiery of event is another nuclear distensifiery of event is simple nuclear distensifiery of event is simple nuclear distensifiery of event is expect on the dissensifiery of event eventure of event of event of event week on the event of the event of event

to aliminate the threat of war?
Wallace L. Haynes
West Valley, UT

Beside Unberdiened
Contails yours of the more conservative,
members of the scientific commany,
will be upper by Pabert Willer's article
Illerarman Bondopo' (Newwinter 1998)
But you are markey people sewer of
the deals add of ament research. The assets
for most people the look is accessed in the research people. The look is accessed in the remaining that movement of ballange the
critical the more marked provide to paper reason.

Robert S No

Although I disagree with some of the lactus of the Ammel Liberation Front (ALP), the tapes they saide will make people more aware of the brutelity to laborationy artifals. I arm curringed by the blackmant orlination receive—supported by my

tax dollars. I do not, however support the abolton of laboratory experimentation. Not B. Montey. Albuqueroue. NM.

I enjoyed meeting ALF member "Valone" who was intelligent and repring it must have been difficult for her to carry out the task of hand with Well and his extensive psychological beggage in tow. He stacked Wellens's choose not to have

arached vielness choice not to have children implying three was something wrong with her May I suggest that there is something refreshingly right about her K. J. Wehl San Francisco

 While I understand Wilds desire to produce of the AUT I note the composure absorber of the AUT I note the composure absorber of one vicet from the Busical absorber wouldn't be AUTS purposed have been reproducing the latent of Dr. Germaniks, experiences, which utilized the latent in the latent of the Busical absorber of the self-ord dozen the AUT facilities in the self-ord dozen the AUT facilities in the self-ord dozen the AUTS and colone as

> Tom Nassunger Los Angeles

Heir Today, Gone Tomorrow

Jost financial reading: "The Carl with the
Vota Gel Hair" by Thomas Disch [Docernber 1993] Now my combolding "triums"

have totally deappeared in globals and laughter. What a territo Christmas gift Janico dan Uyl Christmas (CA)

### WHAT'S SCARING STEPHEN KING

## FORUM

with the exception of two has been banned from one public-hot-ection library often now that it is on the ACLU's list of Flamery O'Cornor Harper Lee J D Salnger and John Updike When if comes to consoration revolution

Somebody writes me a letter and says whetever is taken off the sheaver is a public library or a booksone When a When a comes to anything else, I draw have one that says, You'll Trick by Book HANDS Nobody tells me what to read

kind of squatton in which an grossyzation procedure for parents who objected very specific about what they found offersive and their objections had to be been in Inco parents to anybody but God scrryburs. I'll tell you what you can read and what you can resed "That's fascism believe I's bad for children to read a story her their hearts. The lather decides to which we're supposed to interpret as

down his own son. But 'Hansel and

is just as bed-if not worse who won't apend the time to make

responsible decisions about what their Gretei' is all right for children, a story in children may see and what they may not see I don't want those decisions been There are a number of fairs that have

for young children—stones in which happened in national politics in the last

political temprem. It's not not

local and stuff that a sleeps. For example, which someone was laifed, that would be suggests the act but in which it doesn't actually happen that may be objections called Markot in which a guy scriego and conscrable but I don't believe they should Thores always been a culting edge

Let's say you have a magazane that shows two women making love. Many people stay If we start consoning material like that weve got problems. What's down the road for us? On: Crystal Night in 1999. when people started patting nd of the decadent iterature in Berlin, they ended and then went on to destroy all the music shops and all the rest of a That's



#### FORBIDDEN FACTS

# PACE strey Richelann looked over the

namer on satellites say alanes mic sensors—technologies the military uses to mondor events all over he received a message An agent from the had seen a copy of the paper. It had been sexed from a former colleague of Richel-

says. They had the wrong paper! with the paper. Richelson presented it. guestioned about the paper's content This happened in 1984 in America

tration in quite a while and they are letting loose people who want these kinds policy at American University Executive Office memos and Penlagon descrives, have entangled research

chilling effect on the free exchange of agreeable information and steas among

valuable information to our adversings. In into 1985 Secretary of Defense Caspar report claiming that Western technology is being accurred by "introdely organized military weapons systems Azzonding to defense intelligence

'collectors," or spied, planted in Western

ogies. They willtrate universities and pose computers lasers and other topics secrets of our cruse missies and the

spacecraft materials, arframe designs. There have long been protective information. Some projects and the information about them-blueprints for

to long-standing rules enlorded by contracts—and embraced by spentists since the days of the Manhattan Project. research funded by the Department of Deferme (DoO) is measured and, wherever necessary classified

twe (SDI) sinsely exceeds \$2 billion on computer memones lasers alloys infrarred integring—is subject to metary review and cersorship

puts the military in control of astouriding

been seasons adatesmi control it is hvers millions of documents published in source's Marry of these fall into a gray-

classification but, says the administration. sensitive enough to warrant restriction Weinberger and others in the admireshemorrhaging of sensive technological Information Act as part of a 1964 author-

"military or space application and thus keep 4 out of electronic databases. As added reinforcement

mittary technologies as "truntions of war " if a soigntist presents a paper on these technologies to foreign retiginity by is subject to arms export laws

The intent was to stop the export of data with military potential. You appropriate has shebing studies by NASA Instead sussections from sharing information on Today at engineering and technical



Speak on militar on speece. It's the law.

#### SUPER CYCLOTRON

#### STARS

By Dr. Michio Kaku and Jennifer Toriner n the Twentee physicists studied

ing cosmic rays (radiation emenating time beloons into the upper atmosphere. reclaiming the pietes, developing the the emulsion for possible tracks left by evention of the first atom amasher, the

The first cyclotron built by Lawrence was a tooble beam of energy but over the largest pasce of scientific equipment. Collider or the SSC

The SSC has been proposed by the

Nobel laureate called it fore of the most our spender. Deciman of its scale and cost

allow physicists to explore whether the four larges of physics-electromagnetism decay)-were originally one

in champler, to latter 6 could regality the the retor's capital its magnetic costs will or about 130,000 times stronger from the mecawatts of power, enough to light up a Issge city The nerrow prouler turnel and will run underground to absorb the

powerful magnets; that will bend the nath upwards of \$8 billion. A machine of this in lobe, construction, housing, and labor

rraignitude and cost will provide a bonanza. In staff of about 3 000 screngers and submitted bids to have the SSC located in their state limos for example, has argued that the SSC should be located near Chicago where the pool of scientific being as

resolv Form National Laboratory is awar Brows have sperif \$500,000 on construction 59C (One logical place for the SSC on Long latanct has been need because modete the machine I

Scientists hope to test a host of new theoretical ideas with the SSC. The cassess affernots to explain how weak and Specifically, scientists also hope to discover the elasted "Higgs particle." balloved to gwe the W-particle, which its mass. Further in the future scientists. hope to find closs that could help us understand grand unification theories, or approaching the practical limit to which raviscons and search for the remnants of The Bist Basin. We may have to use echoes



FermiLab's accelerator. Will if soon be joined by a bigger, birder, and more powerful mate? 20 DMM

n which to collect our risks DC the Universe, by Cir. Micho Kaku and Javve-

#### THE REAL FAHRENHEIT 451

# BOOKS

By Marion Long

negative discrets of books have oublic libraries and school wraft of the censor Arthur C. Clerker I know that at level.

then bilenty if they action against me had It is easy to blame the increase in and a lot of crackpols, but there are a many depart, people led very strongly that I do feel consuming is austred in contain difficult to draw the line. The best thing, I frink is not to censor ideas but to expose that education is the only answer I realize that is taking a wildly ideolesic view, but

I stand by a Hisrian Filmon: Those would be decreased with us because the two most common

Arryone who dejudes him or herself into thinking faul these people are not the biggest danger we face—on the level of our day-to-day lives-us living in la la land. We may survive the mittary-occusted complex-if am convinced we won't hiswi is readjest was-but we can never

We have to stop fighting them politely This is one reason why the ERA felled but licuros her They stuck a heleous them finough naticule They will never be setsified. If they are

after television if not television broke if not backs magistanes, finot mag come books for heaven's sake people. They are everywhere, and they can never be sets/led. I suppost that their concerns are not really God, people or morality. Their arm is power. They like the taste of power, and it is self-regenerating.

Boy Bradbury. The roots of the mono political or religious. We've gone too far with portion kinds of time and publications reaction even among liberal people. Two A lot of this "consorship" feeling is not

in which censorship is justifiable. You fixt is not their concern. They sell always bedon't mess asourd with children. Rut you able to usify (in their mad years by frink about consoring only in extremely need thang to be personed will be person. Just 20 wasts ago in Red China they so much about consoration at all really to

books were destroyed and thousands of teachers were killed. And we forcet all Jean M. Agel Attempts have been might to otroop both The Clara of the Cova Boor and The Valley of Horses Recordly not a letter from the librarian of the public library in Darting Treas review Moral Majority and wanted The Valley of basides that, there were "8 few passages on to say that there were already 18 people

much as it is a reaction to the failure of

our sudges and criminal system to promote

crements. So you get a reaction about all

reproperations in fact if anything it impact

I can hardly mink of any discurretances

sorts of game, and you get an ownerses:

who had signed a pattern to ban my had not yet even been published I took the time to write a long, parely. three or four letters lid recoved from resident. These were people--one of them reaction and who mentioned that they were unable to afford to buy brooks and had to make the point that this is the kind of person they are really depriving DO



#### MIRACLE NUTRIENTS

## 

By Gerald L. Hunt

he patient was in her early fiftee. Because of rapidly degenerating heart function declars gave the woman no more than a couple of weeks to her. Today here years later the is alive and well her heart is strong, and she's remarkably active. The woman participated in a University.

of Som haship concluded at the insection of Som haship concluded at the insection of Rehandedown of Denhards Abore the Abore t

CoO is a biochemical found in such toods as boof surpress spinach and

point. If you provide could in the compound for intermed to be compound to the compound to be compound to the compound to be compoun

interne study workfield To date hundreds of papers extelling the benefits of CoQ have been published in Japan, the Soviet Union, Europa, and imprendently the United States. Leaf lever the presticious Appendix Leaf lever the presticious Appendix.

Journal of Cardiology featured research, on DCGI is ethicis in consisting the points healt pictifier angins picture. The study conducted by neasonables from the II Department of Internal Medicine at Hamalinabu Librarily in Japan, states that TCGI to a sale and promising healt marrifor angins picture. Perceptibles at the Trise University in

Relationship at the Fine Limiterity in Bouseh have demonstrated that CoD boots the parformance of he heart, even after control others have subject to severe reage. A serv-year study at the University of Easts study at 59 persons free year surveid rate among congestion have been supported by the control of persons and the support have been supported by the control of supported by the control of supported by the control of control of supported supported

and the University of Toxas found that CoO'nsd the ability to lower high blood pressure When CoO supplements were taken by people suffering from hypertansion, then blood pressure let!—without detaily changes or madeciation.

Presently mose than 12 million pacpal in Japan—when most of the prevening research on DOQ has bean conducted said stally cince of CoOL presented by their physicians as the medication of choice for prevention and treatment of heart and consultory diseases. "CoO is no particular three said more research to be done," cautions Dr.

Michael Melcole, inscessive exter of the Journal of Applied Midstern (Hewwest CoO in certismly allowing access against a wide rurge of problems. In a becoming wide rurge of problems in a becoming easier of the problems of the problems of subject that American Medical Association to be swere of CoO research but has to is swere of CoO research but has put to no well with studies. Follows. Newbord, has gone on to Texture. The problems of the cool of the life in the problems who has a description.

by other coordinal straucial has world. Accessing to the propositions (contect on subspices of deceased frames hearts, content of the content of the content of subspices of the content of the content of content deceases surropeal, once heteral levels of DOC drop below 25 persons of commit deceases may cross. And of levels may follow the analysis of the content of positions of the content of subspices of positions of subspices of positions of positions of positions of subspices appears to the content of positions of positions of positions of subspices appears to the position of positions of positions

port "The rise passe is decovering with the happens—and whilen's appropriate.

COOI in available over-the counter in the limited States. And the Food and Drug Actimistration is cursierly environment. COO districts with if promunes apport and of COOI benefits however, no claims can be made for the internal as a modificial. Following products, however, the COOI will not day to be acquired and the following products, however, the COOI will not day be acquired as an efficient. Following products, however, the COOI will not day to be acquired as an attacking supplement to other types of medical therapsis COOI.

#### DIGITAL DISINFORMATION

#### ARTIFICIAL INTELLIGENCE By Steve Defea It would be the perfect sits. Suspects in the results. And EM is by no means the

a bank heat produce a photo proving away from the scene of the crime. No proport of examination of the photo can by hand. But this photo is a silicon take is

Although the computer technology to produce such photos is already in every memory capacity necessary to make the computer with the new Intel 80386 chip its extraordinary processing capabilities will give home computer owners the power to doctor their own photocoantive the photographic information into the computer a high resolution monitor, and

the 80386 thip Compag in fact already A managine creatette ad illustrates the of cowboys herding cartle in a cloud

rifferent risches sportisesty blancier together by digital processing. A cowboy that the scene wasn't shot on the wild plans of America

The majority of images that you see in advertising are no longer real. says. others like it. "In the old days there was a ict of touching up of photos, but with

computers it's much easier to do and Raphaele uses and the more common. scenned and banslated into a pattern of image is a picture element or pixel undination its order and intensity. When

areas or includual pinets can be easily instrument similar to a mouse. The result ready for printing, or a transparency this a an original in its own note. But as psyclutropary and appealing as digital processing was for designers. It complicated for numerous lawyers. New

arthosily aged the tages of missing children to aid the agency's asserbit. When a lawyer prepared her for possible questioning in a landford-tenant suit for Which she had photographed an apartrestoring that after appropriated in digital processing). Are these the actual mages I can see Wly there would be suspicion

digital faleng. "This kind of crime hasn t operations and research at FRI beachusters in Westendon, DC, 'There Richards "as digital made processing to apply it to crimes. What we'll do then,

only time will bell IDO





26 CNN

## WHY JOHNNY CAN'T THINK

#### 

By Norman Lear

than it comes to science education, my personal experience—and new my womes for the future—may be typical of my generation.
I'm a main in my sectes. I learned a little about science in school, syveral decadas.

I'm a main in my section I learned a 11th about openion in school, openion in school, openion is chooled about on the section of a placefulfy? I computes and openion engineering. During Ward section I compute the section of the sec

science. He most possile of my generation. I might chembably be classified as marginally literate. Here's what womes my. The generation of Americans that's growing up now will need to cope with a world much most.

haddigody advanced than the one entered. But they re even more if prepared from two And Heer that he inadequaces of the scance education that they version and are typical of their schooling in other important subjects as well. Rependy I we had the opportunity to learn about the state of scence education.

learn about the date of scence induction—and exclusion in gainal Through from—and exclusion in gainal Through my work in Picople for the American May, I came to learn about have learned and curricular have deterioristed largely as a result of pressure by the miligracia night and other groups to aloud mention of conteversional subjects. It came as a little bit of a suppress to the territoria the production of the time the more than the visibilities of the time.

they more than its debides after the Sepsea that it to baseling of evaluation is still or trial. For a scientific theory to still or trial. For a scientific theory to the treambed from the settledok and barried from class science—not because it enhances ome people—is an elemming including of the stell of science estuation. Many excusations have total me that alarm a warrand Our treatment.

rave discovered that the cartalishing or evolution is typical of the declining qualiof science tertbooks. Instead of serving as intellectually stimulating classiform materials that encourage students to learn for thermselves about the natural world scanica tests have degenerated into pedagogoal pobulum that encourages memonipation and role learning.

the process of producing is generalized to described interies. Consider these necessity of the content of the content of the content of the content of the particular content of the patient and the content of the patient of the content of the cont

and only and socil undestrated DNA

\* The same souly found American
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supprises because they know so much,
45 proport between UFOs carry vestes
that cover search
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expressed albeid in activity.

\*\*Ourning 1986, deplan—a country half

variouse specia and a completion framework control of the control



is Canvinsor an endangered species?

of control establishment have been down played—or elementated control. Chimical played—or elementated control. Chimical and connormal play feetings on public manusation control played played control superprises allowing the Palaceaux, the Claired Deprocessors and when such interest claired begrooms and when such interest claired personal and full-like Customaly enhanged through control played and played the played of played on the played played on the played played on the played played played on the played played

religion The view was continued by a nowwer of light-chard let fothers in order of the contraints of by a point of historians and educations for height for the Armanan educations for height for the contraints of the contraints o

bloogs of duckdoon nother added to senset to the spart for long size of all feeder of the country and all feeder of the country and all feeder of the country and the spart of the country and to green to country and to green to exclude all selfton green to exclude all selfent products are self-or and to the programment of the self-or and produces all self-or and the products are self-or and all self-or products are self-or and all self-or products are all self-or products and all self-or products and all self-or products and all self-or products and all self-or products are all self-or products and all s

been a similar book might be entitled Why

Johnson and Japan Card Think DCL



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# CENSORING THE PARANORMAL

The Challes for called time the assemble of the challes of the cha

In 1971 a gaps of promised countries for Service and the promised of the service and service and the service and the service and the service and service and the service and the service and the service and service and the service and necessary common and an extra service and necessary common and the service and the service and necessary common and the service and the service and necessary common and the service and necessary common and the service and necessary common and ne

in one store germoder CBICCP official Philip J (1824) of a formor anomalies research frast the Christophy of Nativus sponsoring called the school to protein the CBICCPs were not being intereservial and this, moreover, in question the United Blazes governments word on the consostiation UPCs, specializes the onlinence with sacking what the SUPCs, specializes the onlinence with sacking what the SUPCs and online the online of the online

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Consideration and Consideratio

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that all anomalies are bodies. In 1969 the Parapaychological As-



#### CONTINUUM

#### FESSOR SPL

Pert salari part scholares Common Aumels of Roads Streets and Nighways. A Failad Guade to Flattment Fauna describes familiar ground—mack lattle. This arreacosystem is the academic niche of Roger Knutson biology professio

scatterno nichre of Roger Knetten bestigs profitesor Luther College in Decorattions. His field guide convenimency—how to obstruped hubosps from squashed turties. Tips an collecting closel feurie include the supgestion to merely take potures and dever most furpers, which rate have fless or relating, selely on the pure.

of raud kits if it inhibid, hos Knutson to 'an occasional wing flap from the breeze of passing truck Some creatures are bour for the road. Porcupensis and skuriks are recruited.

and sluries are recruited when they great approach to great waver talls. Ros appear to balls as just another over until ting fast objects blow their crouts.



of the resulting
Tan-Space Pleas will
release the form in time for
fine surreners motioning
—Welliam Musiliar
THE COLORLESS JAY
Effects on bias pigment

habits like these translate into I

Iffers a no blue pigment for feathers of the blue on t—then sudden for blue about 1 blue? If a blue for common of Fart entry revealed, is blue for come.

ses, try, books harmint particles—called olar cells—bounce blue lowered the observer e allowing other longer strengths of light to pass uph in the sky the same comenon called Rayis cathlang, occurs inly molecules of gas the ter blue light through

that the cand office r, in not conton, sple man world syre

per features collected for them by the Connected. Auchiers Society the experimenters demonstrated both mereties demonstrated both and the biarcrisisten of the other associatinghis Indiacot, Windfelder says not only and bits joys inglisedost without bulle pigment, but no part of any ventibate—not even the biagives of Frank Smath or



The absorbs of but pigeters in the jups was obsurbanced from that as years ago by valuables suggested that light coatering was responsible for the feather colors. Now that theory has been p

Date and fearer Ligarously bross a DAM

#### The challenge from NASA

The covers is usually a man





SCHORENT DREAMS

The subjects filed out 59

success and failure positive

cheares suggest you look

#### 



Caco thinks that I Q lests may -Bill Lawren

incested in Soo X-1, the tirst

NATIVE-AMERICAN

and tracitions of Preema-The lumbure was placed





I he dates between all 1000 Calling hirrself a 'prohib-

-Sherry Bakon

-Owot: D. Escatown

1,200-MPH GARD

than \$1 million. "But whet's a milion dollers? his retired." Stanhood is well aware

involving direct sunlight, fluorescent lighting and dark-

1,200 mohr2 Stantispes moly "I'm not -George Nobbe





#### CONTINUUM



be a sirry recreacepic water Aug

hm to viole manufacturer and dealers, who believe dry wood—then as nowwisk used Says he "They dairy it because it is tombly emb

ore the coll water, and sodium rights. For the miny material sodium proby politics, and the coll water and t

Pundes once diseased of precious metals to be mail from beneath the luner surtable. But the test Apollo messions seem to have spelled the death of those dearms. Analysis of luner rocks reseated no gold no unanum—endoed nothing Madeon has come up with a new reason to revive the old idea, in the form of a rare gas known so thelium (a form of helium with one less readon)

gas known as theleum (a boar of helium with one less neutron). He can be seen the seen september to less the seen seen as a potential basis to reaction reaction that are based on fusion (the process that ignites the sun instead of the promission of the promission of the promission of the pro-

process and grains of the proost that grains aborned better the powerful and control of the powerful and control of the powerful and control of the constitution control of the present conditions for support excellent tanks and because the water to so low in redinactivity that is could be turned may the carties of the control of the carties of the country that is could be turned may the carties of the property of prop

The configuration of the confi



One day we may more or a sare form of helio

sign glastics complicient as including enterprising as including an individual enterprising and individual enterpr

#### TASMANIAN TIGE

really extrict? Not according to Kevin Cameron, an expenenced Australian aborigine tracker

a large dog with dark bars.



stretching across its ru.
This is a cleanist chair it of the tiger " says Al M. Douglas, retired sizesperimental officer at Western Australian Mulain Parth, who was bround to examine Carneron in to examine Carneron.

Weetern Australian Museum in Parth, which was brought in the seaming Carmonia findings, which include casts of footgants. The prints above the breefeld with the toes and the hird fact with confuture toes, and the hird fact with confuture to its seam of the hird fact with confuture to its seam of the hird fact with the lacks were made in damp sold while the airmst ways selectionary as the impressions were very offer



the solar system riseft one ring may be a m

to between the front of back toes is also a type that of the tiger loughes who is also a

Doughas who is also it is anomatic flushman has been chairs green to differ anomatic flushman has been chairs green to differ anomatic flushman has been chairs green authorition on the been anomatic flushman has been as on to togging and says if is part a matter of and before a specimen is discovered for on team —Celfary Sciences.

#### YOUTHFUL RINGS

Planetary mrgs are not as electral is so timy book from Earth Closcup wews from the Yepper sposecraft street young and chramed mags says University of Colorado advancement Lierry Espositio Associates for Security Esposition Associates for the Security Ings are used for the soft ings are used for the soft ings designed enter reings designed enter redata from the Voyager spacecraft. This massive rings like

Saturn bright more IR mg may have been accural for a cit field of been years and cit field 4 between the sate system formed. However, lispection believes the base A mig (fire one outside the agent with a may have of the engal) as only about 10 million years old, a mere youngstor mig picopulars. The Army is served into the cit fire and is served into the cit fire Army served into the cit fire and according to the cit fire Army served into the cit fire A

The rings around Jupter and Userus seem ware pourger—and see in constant. Ruc The dust particles from reszurnstations implicits that term these planetary rings pean be led in sel little as a careary. Peasuses that Wayager Vitzek from behind Userus provide some evdence mit the particles ligering the rings are being Lemmig the rings are being Lemmig the rings are being the provide some ev-

rate." Exposito says
The next prece of the
puzze awaits byager // whe
it was Nopture on August
24, 1989 Ground based
observations include Neptune may have partial may
which have to bit young
libyagor will bee what is resit
freas—July Heads.

line can well unchasiand by negress that sock to ercore total control over it streat works of hoton of subpact them to inspecting. Every of most stall, being anothe min influsion is a way of may face a slave and of penancing the risks of penancing the risks of

-Mano Varges Lloss

#### CONTINUUM

#### ARS BAL

They call it the Mars Bast although fits reelly not a shall all all highly fits reelly not a ball at all highly fits reelly not a ball at all highly reelly at the specify seel, it has easily all the start of promoting manuments it close see a country of promoting a fit of a specific seel and is falso Galdbergh rengared that it is a fit of a seel fit

across the surface of Max-The Ball which give our a student proport in the University of the central pain to University of the central pain has a semale builing many proposed our part and whose are inflated in semale whose are inflated in semale or the part and years of their part and years of pain monor. The celebratic pain monor increases and pain monor in a beauty or maturement in the semale confinencially select many maturement in the select part of the celebratic confinencially select many confinencially select man



model will soon be tested in the deserts of northeadern Ansons, which, according to group spokesman Daniel Janes "are an excelled analog to Manan tenan minus the caches, of counter MADE and the caches, of counter

analog to Mahanitananmaking his costs, ordered NASA has been interested enough to further popelat has been and of \$10,000 if so socialist in Ball could amply be dropped on the surface of Man via passiculate eliminating the need for the apply refer to the ball could be some the contraction of the social country of the social country of the social problem of the social country of the "XI became no been as the

power for stree months '
---Hapoles

THE POLITICS OF OWLS

Most consensationess would appe that the best was a misure the pressrution of an environmentally threatend around a fine and a fine of the annual officially listed with the Department of the interior

segments and on the costs as an oncloning rend species the one arms, the spotbed which will be the control of the costs of the costs of the costs costs on the costs of the costs the costs of the costs on the costs of the costs on the costs of the costs the costs

There are about 4,000 lates of spoffed owts left in re-ancient forests of the fastic Northwest Each pair adds almost 4,000 acres if forest to survive. But tribe derests, which Simberfold was stand in order or in \$10. **C**(3)

clinking the Audition Soci from by logging these arrently unprotected one two clief is covidated are the relief to be better. The or

cy presently standing in very at the U.S. Forest in very at the U.S. Forest be whose most second second second second protect for more second protect for more 2,200 stores per cell. Every, final set that he out will be extend to years? I saye, final set that set that the second protect in the second protect for the seco

d singetter The presignus Austices Society for example has not recommended that the one he shed: The sense plant of the contract of the contra

forsorskip refects a losely's fack of confidence stadf. If is a halfmark of authoritanen regme' —Potter Stewlet



# CENSORING

BY KATHLEEN STEIN

The creationists want to remake science in their own image and likeness. They haven't got a prayer. Or have they? PAINTING BY CARLOS REVILLA

od's already healing people have tongle? The preacher's voice arches through the TV, his bulky body, in a polyester marcon jacker pumping back and let his across the stage. The popular macri justic pumpri justic and arth across he stage. The commissi parto over and substrate list to large the commissi parto over and substrate list to large the specific flowing the large and the best popular to believe, the large and the best popular to believe, the

evers looked in a blank inveting gaze of constrment "If I were going to hell I would Thi old black women to be on the baries

she casts, if doesn (gg out very far Behmd cause it makes you lest oy Other churches make you led dead. When I led by I led

In 1965, after he was the Nobel measure. medicine and physiologic the great French bothemat Jacques Mornd became inquantum of science on societies most desply fell ballets. He wrote in Chargos and notive they twe to science, our societies teens of wallies nitroutly hipotoxi or the mon In 1996 one on (d hear the sounded end-

G. Hull ruled that public schools in Hawking classes so that they might avoid ideas. that value they parenty benefit much as adherence to an ordened herardry-God-man-woman-child The werds; has

a 1962 I resignate law remining runters. school teachers to allow oqual time for biblical crosponsm-wherever they lench evolution. This legislation first caught matonal attention only when a group of 72 rumes to a french of-the-court had our-

challenged the law Aid in Mobile Alabama U.S. Demoi Judge W Broward Hand is expected to rule soon on a case challenging 46 taxbacks

to question. The comfort of atomal rethe earnight of an "atherdic" philosotoriets of secular humanism—is secred ism. Big Bang cosmology obbal government and other ideas that lean toward ate executer humanom is The release of

in Tennessee when other chapter open Earth-4 book that describes Neil Arm. he little With mental stratagouts se-

Mrs. Frost's list of offensive information includes the story of Leonardo da Vinci (as epitomizing the

spirit of the Bonaissance). The Wizard of Oz. and Codessia 9

children are no longer endangered by the woked their of cregive simulation Mrs Victo Feder is Hawlon's County housewisewho messed the case Panks Ri divisionmotes buy worship no and 'inbe lokered of refracts wever on the basis of God is the lotality of my belief." Progra ist of offensive information includes the the special the Renestrance). The Wigard of Or and Goderella During the trei the Dyk throw up his hands, saving. "There's

II. and Hands case in Alabama both two been put to bed once and for all in the

in 1925 apparently the save was and lying see wild struck down only in 1998. Punits physics chemistry astronomy, and ogolin the sultry Gulf Coest city of Mobile, in discriming was unable to keep out the noweaith grade teacher to sided that his First cause he was not allowed to teach the biblical view of creation. My contenson is

am not allowed to express my particular perspective within the public arrival promplaned tall mustachood Douglas T Smo. erdale Junior High School in Montgomery When I wak into a classiform I have to equal time for "opposing ports of year" The plantifism Smith vittle Mobile County

way revesental the teachers in Alabama who "brillere in God" Smith is not a lone voice Recent polis show that between 50 and 75 percent of vey released lest November disclosed that qui of 1,000 college students in California ware crestoriets. These creationist students, the study said, were less likely to

Periodically throughout American history intolerance has instead its nea-branch head. This time the strangely archaed, mational upwalling of fundamentalist fury in shalves of offensive texts like those that teach evolution, they have even reportedly barried Memory Webster's College Dicminds of children are the beriefelds, the schools, the ladgress of indoctoration

soratio. Consoratio is the strongest drive in framen natural columniat Nat Hectoti reports hearing from a seasoned newsplacement "Ses, a week second." Cenincreased by 25 percent between 1964 and the American Way (PWV), a Washington

#### SIGN OUR CENSORSHIP PROTEST CARD

Note the postcard below, at right. It contains a message protesting various actions aimed at banning scientific. textbooks from the classroom. as described in this article If you agree with the statement on the card, please sign the

postcard, write your address in the space provided, and mail the card back to us at Omn (the carri is preaddressed, just attach a 14. cont stamn). We will then forward the cards to the White House. We urge you to pay

special attention to the quote from Thomas Jefferson contained in the text on the postcard. If you agree with Jefferson's sentiments, sign the card and mail it immediately The future of America. maydepend on it -The Editors

rosy percent of the rigidents were at PRW president Anthony Rodesta. Cen-

some the only reference to evolution is ating such veganes as universil change

evolutionary theory is no better than a meaning of Theory. His seport, made with

book is centrally approved at Board of ker, the Gabless have dominated Texas-

oned their straffiglehold. The rules of the ...

time limit on appealants. "Mel would talk all afternoon, they might go of the next day To some people all this righteous indio

Jack and Jill dancing while ranting prime a deranged world. Others however see spence test indeed passive evolutions

Troops one of the largest tortbook burdays more sophisticated fundamentalists Pressure against the Gablers has loce-

radio steem rising from hot awarray telch and Rivry a novel about a fundamentalist

McKown sits in his office at the tootball man in his mid-fifties; His has an enormous

What the creationists don't know ' he beams, "eithat fiel the secular humanists authority bith the superrelund, the har-

According to McKown, the creationists along one hundred and fifty years ago is as arcant as Methassish Science is going ists. Already brain research is demonstrat-Why are these people to froftered of ing an utterly physiological concept of a human benn. Were eventually oping to the Southern bered I travel to seek a ragoing to be for the concepts of free will of as it's traditionally been considered, in after shock after resty shock

McKown cyestrouletes like a revivolest on these are going to be such enormous ad various in mapping the garome underof the fotus-where is the soul como to personal term for the fundamentalists and happeneds. Was all that hits! Then there it he altre and a cry! Wil thry demand equal

McKown sees society drawn into a '6 tareo struggle between traditional wedom sanctried by schotuse and institu-

technology. The struggle is going on now Behind the grass roots, often nave, elforts to control classroom activities and

cated reliancel groups on the reliances and political right PNW has noted that 43 per cent of the personnia efforts were offcently organized by such politically shrewd. ice, breaded by Beyerly Lariage with of prime time preacher Tim Laftaye. Phylia. Foundation, lounded by prosidental conmunities. Ikin Jerry Falvoll's Vrgray om

pre and even fundamentalist fun parks And most recently, born-again tows have appeared on the market Florida-based God-including the Sheld of Fasts, the Highwat of Salvanon-for \$24 Grace the pro-life doll which when squeezed says. "God knew me before I was born" and a halo and a card that reads, wy sweet is at without over up. The doll is available in Ap-

Prime-time presidents most potably that Robertson control multimedia conglorierates of rear-exceptive proportions. As talk show. The 700 Club beams out to 4.4 million Americans and countless millions

Other fundamentales organizations have highly lucrative publishing houses de-

and rhetons to the tolks. There are more than 50 creational associations in the search Center in San Diego and the Insttute for Creation Research These pearchers' who spend their days flouring

Meanwhile there are more than 15 milion scientists in the United States, includpg 400,000 life and 80,000 earth scien tes, according to Science and Creation. published by the American Association for

Creation size with comparable professional zealous band is represented at every school-board hearing curriculum meet-

#### ♠Almost 60 nament of the incidents

were attempts to censor ideas, information. and teaching methods in classrooms. Censors don't

just ben books, they went to hen ideas 9

Tireless Christian soldiers go armed with

the tensts of presson scrence Like the latest determent McKown says. and improved package its called creation spence and its seling sell. Coston sobegame apparent that nothing in secular sented scientific creationsm as a scien-

The model greaten science tell that was 1961—and was subsequently shot down by the Supreme Court-was drawn up try Paul Eliwarcay, a resonatory thorapist, in ing points. 1) the sudden creation of this universe, energy and life from nothing (by

organism. 3) changes occurring only within tiged limits of organisty created "kinds" of lwng evidence of different species) 4) segments ancestry for humans and wires. global flood-what McKown refers to as the big wish of the wall-to-wall water theory. (i) a relatively record beganning of 10,000 years app Some creatorists backing off under

premise of "according pressporism But as once they skp a stripped-down model into the school systems, they if quickly be back to comple the whole safest you

Quart as these ideas may seem they are immersely popular and reasouring. But

Massachusoits at Amherst, expert on the lemans of Madacasacar and adsor of Soerests Oxetoor Casalonism describes her God'rev recalls. 'I love a good argument. and I asked to see what they'd been reading I was gretty cuttageous 'Godfrey out together a questionnaire to find out what appaling she said Curous she carried

propaganda" -- she asked the class to analyze the arguments, agree or disagree. along but I don't know why it's wrong It was then that Godfrey began to soruexperts in venous disophrees to set up

pursteines to poninget the streams of humpublication of her book, more publications the evidence from start to trish. Godfrey says. It's a distortion of explanation but gor't have enough command of the materral to know where the distortion is

of the distortions. He survived but it was a lesson to tem-to all the academic community it is estimately difficult to be on top Geth a mester of dubate has been our



tash of 90 rockets looked like "the suridon birth of a new strati-head stor," seed specin vershary Warnhar von Bosun Maria next great adventureheat full-scale expedition to the earth's satelite had gotten under way This scenaro describes the second phase of You Braum's master plan for the concurrent of system a man revealed in a Fiftee in Coher's medazone (see Days of Euturn Past \* Ovey, October 1986) Initially Von Braun and a panel of Coller's experts had thought a space. station would be built by 1963 with a landing on the moon possible by 1964. (Trusy later charaged the moon-landing pach taker than the Status of Libertyregenerated in Earth orbit. The project Each moonship was a spiritly looking assembly of aphenic with 30 rocket engines diustored at its base. The personnel area where the crew would live and work One shap, a paspe craft.



The story of the first great moon expectition—of 1978 BY BON MILLER AND FREDERICK C. DURANT III









moon. The landing site chosen for the fleet was the Sinus Poris, a "tray" to the north of the mountainous region surrounding the Mare Imbrium

so the centrel of the mountainces region surrounding the Marie shream. As the charge spiced cover to the mount, granely would deal within 30 to its exitors, and the cent would carried that the shade to take or. The colors fromes oppoint, against the balled same surface. The broad, round other of the ships that talescepts landing log days into the self-vectioning pound. Then the lost congregal region landing log days into the self-vectioning pound. Then the soft congregal region of the ships of the ships and the ships are ships as the nike arranged the warring of machinery days warry, which is off basin. There is shown tute seerce. We have reached the moon Two of the artists commissioned to reake the water of Coher's were Chestry Bongstell and Fred Freaman Bonestell showed the moonships' Chigging (policipalizari Prita in Hashina distribution and large fraid fraid). Earth rising over the moon (marifelf) and large fraid being deployed (bottom two distributions). His distancing gate an abtromastic syeveword free moon is that \$278 landing party right seen if pritarion pointing pages). Onco on this surface, the addressable solutions of the surface and the surface of the surface of









to unload these surface vehicles and construct a moon basis from our intelligence parts of the cases when Veri Resur predicted that some agronates would ceith into two of the three tractions to explore the order haspealus, as next-day round tray from the landing and Others would only common or the control of the control

moderate but do designed studies of the records creat.

Treasempt perhaps of the control studies of the order message in the studies of the order order of the order of the order or





♦In the glow of one last lunar dawn, the astronauts leave the moon base behind ?

#### SPACE CONTINUE IN CONTINUE IN

the papers to be presented carry a sinche the earlier that consume to order a mixed that earlier that consume to order a mixed and or con washingtoness on use or an most or wire. In gaining it is a freegment warms the stocket a sportfast violetes forther warms the stocket as operated violetes forther or unit or two traves were consume autour or unit or two traves were consume autour or a some or the statement or this stocket also measure that the statement or a foreign in social stocket is operational or or in an label and the statement or in an also that the statement or in an also that the statement or in an also that the statement of the statement or the statement of the statement of the statement of the statement or t

the patter datinot of calculation.

The policy histocondinate backfared in a make plast source, social French no accordance backfared in a make plast source, social French no at meeting strake the calculation of authorise of accordance where the calculation of Associations of Associations of Associations of Associations and Associations of Associations and Associations of Associations and the calculations of Associations of Associatio

Jurnal Half bed sensolve disnolated filling American Institute of Association based Astociations (AIAA). Deleves the session might have oblicated selections with the Europeans in building this space distant West esized them to put up two before West esized them to put up two before the selection of the selection of the and other parallel selection and and other parallel missess the large passed servolution. The stays Beaudab being basis cells the North West less than politics the NO FOURN view in selected so. got a lot to bring to this project. They've done some very good work. Har ford's comments are backed by years of experience. He has directed the

years of operance. He has decided the in abability of the standard for 33 years—through the We Garthy era Spothik five space race, and the mostle got in oil has termed as and the mostle got in oil has termed as a second or recorded in the change.

Among the most explore in enforcing the

restrictions are Assistant Secretary of Defersor Richard Perfe and add Suppler Beyon Even NASA has not been immune to their criticaria. When James Falcher, the deeptor of NASA proposed a cooper laive space mission with the Soviets, Peril opposed the close arguing that the Pusians would steel what technology they could as they did with the Apolio-Boys.

opposed the lotest anguing that the Hussams would steel what technology they could as they did with the Apolio-Soyumission in the thick Seventes. Ale required by Congress Bryan drawup a list of "military critical" technologies obsorbled as "municing of lear" under the secont level Brand's assemble workhore.

op at last the measure of war funder the depart level. Should a scential work to presort even a paper about a consolitatinal opy at a conference attended by any forsignism he must submit his paper for OoD moview to see if he needs to apply for an export learner. The Catch-22 in the process came when

The Catch-22 in the process game when scientists list fixed to see the list of technologies deemed critical. They were told they could not get a copy. The season it was a classified chocument their Eneity of palled to find it was a directory hundreds of pages long—a catalog of virtually every modern technology

modern statements when the modern statements when the mean content agreement agreement as the modern to the modern the modern that modern the modern that modern the modern that modern th

Dob agents readed no sain Lego, where a a symposum of optical enginees wis in season. Claiming that Russiant were at londing the contensor, the Dob agents seried operation kept unspecified "valuation information" and one paper on satellite-to submanne communications from failing into Russian hands, Byyon claim.

A tew months lister Air Force agents forced southings from librate Instrumenta Into to withdraw a paper from an international conference. The electronics firm lister probabilists saying paper author fall into the newly designated constructive Conference. The matury admitted there had been an

Sponsors of both conferences were outniged Sic Bryan promised to 1 do in battler job in satting up the standards for what should be consored "His politica was to set up a commission in the Pranagen to screen propublished work of screenists was propublished work of screenists was propulated to conference And Improposed to screenish and teachinal screenisms.

pers can be presented in limited occase, session. Participants most sign a strament promising to keep information tocent Any firmagn instorate who want to untend a influid access meeting must get cleasance from the Perstagen. Not city as the policy mage, says the

can sometimes be lixidorous." At one moding, he recalls, government agents accepted a diliver is loanse from some altendant its proof of chibanship. We can't somoully expect to find forean pages the way. Hardrad seas of the

DOD system. The way to writinate information is to classify it place it in a meeting under government appreciation and hold it in a secure facility. Few are pleased with the exits layers of

yels, robjects Roland Schmitt, who is one scennist of General Electric and charman of the National Sciences Board 11 must have access to [longs] accessible [in critical arcess like computer soleron and electronics. In hard these people southed from schmidt longs will adversely allection schmidt longs will adversely allection shifty to develop new sectnology. As for specificial, "Guya live Save Hyan and programs of the programs of the specific of "Guya live Save Hyan and the programs of the programs of the specific of "Guya live Save Hyan and the programs of the programs of the specific of "Guya live Save Hyan and specific of "Guya live Hyan and

They den't uncleated the value of open communication.

Addit Heritani "I don't have any argument with pools who are stimp on too of classified information and keeping the latmation and the stimp of the stimp of the one in the tabilismal way. But when they start mucking accord with uncleasted these the art of starting us to restrict breign netionals, it think we durin to left the government with such copions to do! "Od!"



I was rigoring it would neep pick up my business.



# KINGDOM COME

BY BRUCE MOALLISTER

Inside a New York anaitment a mysterious force strugales

to save a besieged family s were shoulded from the latchers

of sets should have the latchest while outside, angels ded the was working in the corner of their appertunit's small living econ, and he paid no attention. She should again, onying Texas Clarist' and at the work Christ' there was and as this was Const time was an explosion, a shallering of gloss. He got up and packed his way across the fathered pile of the aging Day-long up. The steep had once been a smooth Eldanado Cols. Now 6 was mothed with broad, dark smears from months of sugary danks and other hanself Nothing over changes

leased Nobing were changes in him, even with the world obtained when, even with the world obtained what is a better for to think of it, but long white wright flowful behind he eyes, and he couldn't help him and it was always there. He come up behind her and sighted, beling the sigh load and he leaf word. What's the matter? The sharets of one of there lead world places have been there lead world places have the base of the behind with the Other streets have been deaded for She barned her head slowly, that musicing and tendons tout on

har neck, one blazing eye coming into sight lint, then the other, har mouth in a spess. Tid tell you - #1 thought you could understand," she gold. The same childon serceore. Too many years with kids He looked away and closed his eyes it was beginning again All the

lines they'd used before—one wereast or another-and went on using, even with the world outside being what it was. The pale wings. The great doce. The gassion shadow. He could feel fire glang at him, and he wasted for the wheeper of shoe.

PAINTING BY H. B. GIGER

on Indigum as she turned her back on him. smble with something as if purposefully He fet his ear habten as elvery - What

She said nothing. He stand at the back of her head, at the waps of dark har at her neck which he still found bequited. He He looked around the kitchen slowly

new Then he saw the big black finger

put them there. He fried to avramber

wall "he said. It's generator oil alone? she went on, lowed the sound of a He had closed his eyes again, dozy with the tambaray of it all

two of £2 Wings strackov awa the sounds ast beyond their walls voice was saying "but you're watching is blank TV screen so I clean it up You smean

Still blind, he knew she was turning. He

open, words ready Because you've trained me well Jerry

thing, she was just shaking her head. It

Yours pathetic: he heard himself say

Even this tiny gesture of violence was

A pry came from the starwell but ne-

the kechen brightened as it a bull of rag-

ged light had suddenly come through the

eyes had changed Jerry please. She was parted she

didn't went him ancry at hir anymore

He stopped in the middle of the learn didn't want to But there were times when

 The pale winds would flicker in and out

of darkness. The badies would twist, writhing. disappearing

and reappearing. A few would recount Sints Sapping back to their world ?

ade "Afnote" I said I was sony about the shead and did it dight she? If she could

> ranged ( so if based the floor-length drapes When they sall down they did not touch

But once again—for the moment—then

 twicht that held everythere: they could see of the few remaining trees and paths. Beyand that-nearyor museum lake and

refer to it out loud they did not have to it

merino like a black myage, they could see

moons, the spit of dim, berren land that wrighed effentions stimmed into their world

played furnishing and leasing their bod-

through the twiight with its shadow feethat darkness. The bodies would lived dis-

doning the land bridge between the two worlds wnoless and stumbing. But most the twicht as it taken Seen Twough the window plaza if exe

working for them, the food and water and them-they were sale

When the great shadow passed over could not protect from it was not a move encless twight and dark ctiffs. Sometimes



\*There must be an enormous amount of life in the universe," says the astronomer who discovered what may be the birth of a planetary system around a star 50 light-years away

#### INTERVIEW

astronomy book #lustrains the postors of the rudimentary quide he began boy noticed a lot more stars in the sky than profixes in the book. So he began to construct his own map to fill in Propulsion Lab (JPL) to topdoing sel that but instead of tracking stars with the neked - Born in 1931. Smith sperif own her commands orbeing

satelities to made such things

PHOTOGRAPHS BY ALAN LEVENSON



of the hanced University Chaevalory Unide the Linkelpe of cornet open Fined Whippile Shrift begain plotting the light Chaevalory of the Shrift begain plotting more filled in powerful pair of benoonline. Shrift has been powerful pair of benoonline of the hancemen in playbrood Shrift block amanearity book at the clause's of open amone stationary. Here in offeed the newsoning stationary lines in offeed the service. Opining the Filled Shrift and a fill the graduated control of the stationary of the stationary of the pairs in chaevalar engreeous. The stationary of pairs in chaevalar engreeous.

continuous continuous

natural solution. A lateral or door from the mount of both earth mount to the earth with a greatman from the first through goester, of an object where the control is the programs. I was a second or the control to the

intrius secues and project protections of the point is advised and on or of the signs in the process of song the foot on only encoded mange data seamed teach from a seasonated and researching in the seasonated and researching in the point and the property of what you've looking as finish sold as put seasonated and a passessor (gave in the lates made him is passessor (gave in the lates made him is passessor (gave in the Most finished) his has headed be impaging from for Depagers I and it which scored by Justice Somm and Usens and stay.

lary scientists at the Luner and Planetary, Laboratory and Seward Classification of the Linvalidity of Arcons in Tuccon His Othfoor office is carefund with opens wasting, dispensation because Smith haariing dispensation because Smith haarigot introduction and out-off-processspen must have in the other in 1966. Dueing the first modified was all PL processpensation of their order of the contraction. Not the processing of the order of the proting of the Popular majoring blant for Hallays Compt. Den when hes selsong at her Hawsian bland home, Smith heed, a wrising autonomously. He may be selving machinosomously. He may be selving into dental planetary attraopheres or commission planetary attraopheres or commission of some of JP. A secondend stand the star Beat Patient or 1985—or he may be compressed to the charge coughe device (ICCD) the greatest association for the charge coughe device (ICCD) the greatest association in the manufacture of the charge coughe device (ICCD) the greatest association in the manufacture of the charge coughe device (ICCD) the greatest association in the Electronic Patients in market on the charge coughe in the charge of the planetary attraction of the charge of the charge of the planetary attraction of the charge of the planetary attraction of the charge of the charge of the planetary attraction of the charge of the charge

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Orner What would you consider your ideal planetary project?

Sent Tyrollow Senting in the Memory Sent Tyrollow Senting in the Sent Tyrollow Senting in the Sent Tyrollow Sent T

The other great area.—of which we got only a glimpse on the horzon—had all this enormous checkle purpled terrain with hugo viceoroes Oh well.

Note! want on to Mariners 8 and 9 the

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But because it lates about yet; minute for information joint point makes better or information joint point makes better information joint point makes better information in the point point with the latest latest about the minute latest about the same arrows an entire latest about the same arrows and the ways in charge of the fairful agreement was in charge of the fairful agreement and the fairful agreement and the same arrows are same arrows are same arrows and the same arrows are same arrows are same arrows and the same arrows are same arrows are same arrows are same arrows and the same arrows are same arr

€We're free to fly any orbit we want because there is nothing beyond Neptune. We can fly almost

Groat What sort of planning went into the

can fly almost
straight at Triton and,
at the last
moment, just sail on by.

Beth Proser had told us that Juplan's enveryment was not household — I had supposed the had be chose fuel congregated the proposed of the congregated the had be chosen fuel congregated the had be consent to the control of the consense with drew fill recognized uses used somewhat the consent retear to the control of the control of the control of the conmails and a proceed decreased which of your winds and many conmails are a procedured to the conmails and a procedure of the conmails are a procedured to the conmails and a procedure of the conmails are a procedured to the conmails and the control of the control of the control of the concedured to the consense of the consense of the control of the control of the consense of the control of

Orest Howard if feel to finally see Jupitors Creek Ried Spot up close? Smith To finally see what you've been trying to understand for four decades is very rewarding. This is your technological re-

s spores. Your emissions response some times goas in other desclares. There is a leveling that home properties on your emissions considerable about the constitute of all the lithius are gored in the constitute of all the lithius are gored in the wheel is fill an encommunity sometim conflower or if it is an encommunity sometim conflower only in the conflower of Owini, What was this most professed docovery made outpass?

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nus encourter? Senth We, list had a very hard to explan such highly warrabs terms in such posicial properties of the sent such position such as properties of the properties of the position of the properties to deling very much like the larse highlomide—warry very old, workdown terms with ground stobes—to the larse highlomide—warry very old, workdown terms with ground stobes—to without mourtain building is actively organ where mourtain building is actively organ or Their off in the obtained to the Great Place which have been appeared for grade a write. These are disposed for praise a write. These are disposed for hardward as write. These are disposed for praise a write. These are disposed for hardward as write. These are disposed for hardward as write. These are disposed for hardward as write. tens or hundreds of motors, as on Minanda heve such an event old happen. Maybe makeral trown out of Uranus itself was later the outer solar system

Otter What might we find on Necture? tures of Necturie for several years and have from the earth we've been able to worth ably better for Neptune than Uranus Neptune also has one large satalite that we know of Tation It's correspond in size to the very largest of the Saturn satelates. I'm particularly interested in Trace because of pattern a proof resol time on it is become true straight at Treon, keep getting better and

Orests How diel you and Tareta decrease for planetary system around Beta Pictors? Smith. Years aco we built a corpressorable photo on page 66 1 The coronagraph, first developed in 1900, was used to look at the wifecut howers to went for a solar onlesse At this conceptable does is to remove most of the 90M that's scattered within the into look at Saturn's very faint Eining. It worked ages of it to decide that no instrumental well so we used it to view objects where

were taken with a coronegraph in the Catoling Mourtains in Angona in 1979. Semin such as Vega. I decided to a vifor an image tures fired of Vega next of Episton Eridanu Necture Normally when you're workens [end of the spectrum] moonlight isn't a senous problem So prepage dark time is alspace But the lime given to us was the fest Starts was up there, so in ust a low miruons

We didn't know we had anythrig. Terran sorted or mages at .Pl . I worked here around with the images from Liranus and Berta Pictores images up on our processors

Ones How did you realize that you men

Smith it was expring because once the meny of us frought it would turn out to be

 My quess is that the system arrand Beta Pictoris may have just formed. It may almedy have some planets of significant

size or may be creating planets right now?

effects had produced it. Clearly this mo-But wis the a very young system or a very old system? Was it a protoclarietary haped more of these things would turn up and that by looking at them in various stages of evolution world get a bester idea. along that if should be such an every object sonegraph to find and yet no other objects this phenomeron leads for a sufficiently short time in a star's evolution that you have ages taken beyond the earths surface. At

already have come planets of significant We have some week evidence and some the system is dieared out of dobro sciative. way of cleaning up debris in a protoplan-

Occur is Reta Pictors the excentero? Swift. The rorm All we can see in Beta Pictorio e this debre "Ether it's meterua next few hundred military or so years. Be-

Onw. What impact could the discovery of Smith Even some scientists, perhaps for

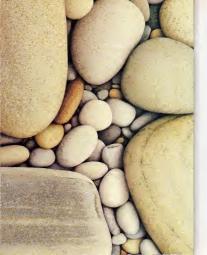
our own Earth'sun planetary system as uncue within the unwester in general, they seen one other planetary system blows.

hose theores apart. Bocause if there is: since we now can evaluate only relatively. nearby begin stars. And among these we

trained excesses as observed by IRAS Those stans within range of our critisnght statistics, because we haven't had the loaves an ewful kt of stars. It may be that when planets form, they teng to elemente low hundred million years all that stuff would be gone Planets would then be Omer: Do you have any idea what this pys-

Smith. Were trying to get a good roading us whether we are looking at ice or silicate making I'm protty ponymord its use that Otto: Does this discovery support any-

everywhere. Water is one of the most open mon molecules in the universe, and the light gen-are ubiquitous. Many expenments statisfical metter You put the right morefrings are gorn to requiptate and percolate Evernually the chamistry becomes



FICTION

Each pebble, every rock holds a secret. And most servers are better left untald

# THECIRCULAR LIBRARY **OFSTONES**

ex said all the ways strue. . from from place to place, ex. . . have had sone least so depute That there had been no city on this site since even be-

ices the time of the Indans alibraryhere, they said for for broken classes, but these of old come you've been weeting course, are of no secreticance

For lack of space I had put some of the small, white stones - books? If I could find the borary collect the stones. (Two have X's Loontinue diagona. The earth: sachments more world-shak-Otton it is clamp and fragrant And I disturb very little in the size here. Also most of the stones even the larger pries are of a one that I nan manage - office only by order arms respect fairly well by myself. Besides - that also form a skull they black regardly if is the alphass that I want their the rive spokents.

tant small ones, which I take home with me after a day's dig torod aluminum pots and pans around the sile Doon I bound them So the dogwn, in theth present. Gaining access to their

I'll could lind, there, stones beyond my widest dreams. A love lowers of a totally different land a kind of ardor we have at once which we can only do in drawners where a body might - preserved all this time is a mitface in which the breasts also a library, it's logical they would estatal mens, or two nakers lasting

then any other, and though at night my back pains me the name usually on away outs soon By morning I hardy leel ure of work. A day well spent revelation of the stones that ! care about Sometimes they a traplace was, or perhaps a

also hear had mesons Ord they they could have had a library I keep the mirror with me in

PAINTING BY ALAN MAGEE

mant out fating vest, When people will we want in most part and it fating out their I should be made in more and in most part and in the most part and in th

whole phrase came out other and ample Cool off that summer and at right returned to the body. Certainly I would suppose the library being but of stone to be sharpe cool in summer always warm in writer The phrase. It is surely then thus and of the time It is interesting that the library said a referred to the but the library said an element.

intensisting that the littrary staff is referred to in this, the first real printing of we water so fair. That is significent. What if have been hoping to do is so reproduce some of the writings from the littrary or reasonable factorists. Perhaps the is the beginning of one of their body.

The cricle is sacred to all peoples except for us. We are the only ones that don't care if a thing is square or a circle or ob-

abid one in thereing about this because them.

Interes own excess agenin cells about the cell bout t

co cricio levas trinhing mate probably nere as last, was where the very well of the focus as a last was where the very well of the focus post mediation of stooms (soon flood) do by an old women in useless old woman to analyze the mile of suppression of stooms (soon flood) do by an old women in useless old years and women in useless of suppression of section flood soon and the stoom of section flood in the stoom of post in the flood of the stoom of the mile floor when Last on the soc to the mile floor when Last on the soc to the mile floor when Last on the soc to the mile floor when Last on the soc to the mile floor when Last on the soc to the mile floor when Last on the soc to the mile floor when Last on the soc to the social many when Last on the soc to the social many when Last on the soc to the social many when Last on the soc to the social many when Last on the soc to the social many when Last on the social the social many when Last on

and do and dence and do the dence of the library at the door in the sanctuary of the library. It remed that right and all the next day and I know it had filled up all my pits and

paths with mud. I would have to do much of my digging own agent, and yell vesen! tentibly unfrappy about 18 Such things come nevery life. It is to be expected. (And doing a digging. Digging is chang. Do not be That's my philosophy and if seems to be thers (see ) And my liabest discovery was momentous to say the least. Who would have thought if a great what stone or cular library to be disnood in? Mostly on servy their like their Lide as

ad the other did women did in his or inserped to hidder in the sopp and militaria. While I was sopp and well as the sopp and well as the sopp and well as the sopp and and a sopp a

investi with that thought. That ingit I let my left hand write. It book a long thin I let my left hand write. It book a long thin I let get from scriachies to X is long in I let from some continue or above in things yith politics a library leach above dack the size note at other and one at other in I let get great it get great it let get great it get great great it get great great

They was on my mod when I went to seeke and I contend a two of starring assign and I contend a two of starring assign and I contend a two of starring of starring with mining petitics (John and I Charles) and finding well and my access and finding week and my access and my acces

together perfectyl
[All those old women lacked grace but
perhalps it is not required.)
My diagritans. I suppose they tell me
the truth about mysell though no need to
My tell you do all My leaf free to say.

such things? Do I talk too much? Do I go naid an about or indext sinything? Why I've almost stopped talking altogether, warking sow other lends of merangs. My gramatics and Med stoned in patients of stopped to an own Med stoned in patients of stopped the articipation for themselves I showed my doughters my moorafore. I showed my doughters my moorafore. I signified to gowince them I said it came.

"What library?
"You know Out by the dired up afre



CMNI

You've always had that moonstone Grandma gave it to you." "Walt." I said. I found if lying in the mod there." (I know I was just making overy-

thing words | "thu must have dropped if yourself What were you doing wroning that out there are word you ought to be more careful." | suppose I should have been I know it will be then samelyon.

Tagaption is resulted inside their 1990will will be theirs someology.

Later they sold me allocut a place give soon it; where there is doctor's office in the basement and will norme, put holder rooms blowsom rooms sinkings along all the halls Elverybody has a care. Ever soon halls their place in the halls of their place in the halls.

Just as creamantal; the severation could trees, and cricio have special measures, showed have special measures, showed have the several special control of women. All the best focuses and of stone branches the stoney also follow, such do them of have been showed and of stone them of have been showed and the companies set of the stoney also follows and set of the stoney also follows and set of the stoney also showed set of the stoney and set of the stoney set of

I wanted my daughters that if I should be found awayershy bargang stones to gether on some moonlit right, it would be nother out of sanity nor sentmentality but

But then I lound a stone of a different fond and color nodation and super Season below the state of the color of the state of the color of the color

all the books.

After this find, I dug in a tranzy I know I should be more careful of mywell at my ago follow some rulles of nest and recreasion but II believe in do not be foll Though with should I so ideapressey want more more that is, man the nother of the library? By chaughtest will coll her a knoply pink stone I Am I mere sustained.

step disagrants we can not a sumply, pink stone) Am I never satisfied? Never (My left hand has written. Stone on alone on stone on stone on stone almost as though I were building the library.

out of this vectors.) brough hard than as if due frantically my eyes the were blanded by the setting san. Every ambier, thing sparlads and throught flackwidt each the library all white with a great dear more before it and a lending where the books street before it and a lending where the books street before the setting with the books street with big sales. The glattering of the waves had in growth but could see even so the street.

librarians during on the beach in front of the sacred circle of the library. And they were sell off. Old as I am or even older winkled highling women—I could see that ther backs were harting from too but hely begoin with the dancing, just as I legit.

on within y digging. And I heard the seth sevent flux ymacod the littery and of the house and of the house board of the flux as dear done to the west on thomas yet and we could see auch other. I'm sum of it is aw eyes meet man bod mor, just cone or these.

I stripped forward than to dance with the property of the pro

International International Replacement Services and Inte

\*As |
dup frantically, my eyes were

blinded by the setting sun, but I could see the librarians dancing on the beach in front

of the secred circle. And they were all old \$

self. I had hardly enten all day and most important if it led to dig in the dark imight miss something. I might bos away a stone like my important librarian and not see what it coulty was.

When I do: frome that make I found that

second not pose as my poud. Inly
second not pose as my poud.
second not poss as my poud.

face overy shell, all gone Thank goodness I carry my most important ones with

me may sell potent.

All these did stores. Mefre wauders.

All these did stores. Mefre wauders.

All these did stores in the store were in core in called the property of the store in called the property of the store in called the property of the store in called the

Coming in like that there are no chores will fell interest in that I could's consider the service of the servic

was misligant and self-sufficient ). That the drawing under my goods (who knows what my disaphens will thrick worth noting?) put the bitman in the globest pocket of the west, where commonwhat will not my healt Than i chambood all the other pockets with my most important storact of the mass that the pockets with my most important storact oil them their pockets and went to bot it was nearly morning. Even so the myst door levels gat extract.

Even so the next day's wax sale extraordisney classificated if help registrout to my site. Worked hard all day but found riching see nothing Crop or have I did think I hazd the sound of haze and perheps some drumming, but I knew that was supported by my migration plus the best of my own hoor in my ears. I always have that contact

tool last. When I got from I served again a charge (Why do they always come in the degree when I in or food Why way will be degree when I in or food Why way will be degree when I in or food Why way will be charged that lane but if sense they do charged that lane but if sense they do charged for charged the angle of properties of the charged of the whole of the charged of a the basic on the closer floor. A peri of a die basic on the closer floor. A peri of a die basic on the closer floor. A peri of a diet passe when gone also my but a diet grade gave ma but the last designate gave ma but the last make them thest last. Then a necessary may wait yet and last them a necessary may wait yet and laster growth as me and the last me and compour Count law of three). They have selected period on a sind three has been considered to the country of th

have something to let the Why not why not let down and in the saccising of the bittery why not come code all right and one to stress of the oby Why disughters been more been intotion, the stress of the oby the stress of the object of the object put their larger or in anything they can't understand the let time they see a! East or a wish strong lang and measure and stip with a contex of the above; a point to be done and youth a said plane. Nothing much also to do not I could thrist of which so will be a said plane. I want to see the context of the object which can do not be with a said and a said to the or the said of the said of the said.

song is stanged. The regist was claim stanged and the removal of the register was claimed and the removal of th

odn't ben't but Jimpa Ney weet them. New Arriva de Limpa Ney weet way home the Seen. Nev did I want to by she it lived to see the Seen. Nev did I want to by she it lived to the Seen. Nev did I want to the Seen. Nev did I want to the Seen and the Seen

but a Hille bid. No. I said but she kept nodding and now I couldn't have turned away even if I warried to and the clock clock of stones was loud and painful and right over my head.

\*\*This restriction?\*\*

ogit over my haad "Mily you black" "Why you black" "This you on ever I have or never I have black you can't y savened box say! Loud hear by savened box say! Loud hear by you not only obtack but he run hand run-tie of the great never nearby! Leven heard the sound of a boat the bump of wood on wood as a skill came up to the clock!

And they will be board here: the Venue said 'and will be desphered and all in less than five years from now Otherwise? I said Otherwise, nothing. No fibrary no

books no minor no Nerusi. It lake nothing I said, and the Swan swoqped down and knocked me over I still clusching feathers and thought. They led forme fire dying again ow. They led for searl look me anymow. But it was not though a look one and look me anymow.

and to the sound of it was god my daughters and two men. They don't have to say anything I have where they other men. and it know that I chops in myself. I will go silently and with digney I will walk like a queen. I'm thinking that I'll find sometiming these to make an affect for I'll find acmothing so I can "do." Ill not act to "

Get I may traught lipick jumy weetly the hard oil form list as though in that bean allowed in anger. These hards inside on indiolic settleuit a hart i check what select of the pockets. Everything is pone, just as they and it would be every simple smooth, were store and all the other theye—and instanting these feet a cracy woman bore loot in glipbower if files a until dishit carrier loot in glipbower if files a until dishit carrier to the oil before it will be a selected by out not like they divid any surrounded by they look and all second me. When it is they look and all second me. When it is they look and all second me. When it is they look and all second me. I want to the weet the thirty in down DO.







which alons are smadhed together. He told of the melions of collets, council, marks into the very heart of the seem. He told how But when he had fireshed instead of being award by this devolve of festivology trate of the Third World were appalled. All

The ofwacet was taken aback. Blushshocked into agreement. He told himself sun his theoretical knowledge to practical

Boader Medich recalls that day nearly

forts-Laura Ashley Benetton Haagen-Daza-on Nannai Street, the man street The Yugoslavan-born Maglich has been halting for a dozen years, trying to get a

hearing-and funding-for a radically new form of nuclear energy. Maglich's nuclear cower is not only cheep to produce if is power is safe Remarkably a produces. to reactors come small enough to be of credital use in an African village. This a Maglich. It has none of the problems of Maglich calls the process "aneutronic"

tors is the major contributor to radioactivity so they collide with each other and release

maying looks like flower power beside the hape and treadtreous redulations of tra-Maglich was siting on the porch of his house in Princeton one der in 1972 when he realized there was a way to produce such nonreducative nuclear energy He was working out some palculations concerning self-colleting prices (other than one another). Then " he recalls, "as I mate-produced for combination into power worked with m9 sade rule, calculating the

required to get the atoms to release their with the powers of the nuclear energy byinto direct confrontation with the fusion presilized. The plasma physicists who

nional insturnity infrarposable to scientists from other backgrounds. They found it hard to believe that Maglich could have come systems that they had spent billions of do-

♠Angutronic energy is cheap to produce and incanable

. of fueling weapons More important. hazardous waste nor raniating 9

duce. Surely there must be some catch. drocen scropes used in planned fusion um. More important than the fuel how-

in Magich's riigna, electromagnets are used as a sort of musible piping, bending beams of protons and rucks so that they peoled bendings is a patient that resembies the petals of a flower At the partier of collesons release energy in the form of collected and turned directly into electric ty without the intermed ate step of heating steam for turbine-driven dynamos. Migrareactors. Maglich argues, can be built small unlike lission or fusion reactors and

in contrast to the intense cookery that serv-

visioned by lusion scientists in their planned fusion reactors heat compension cie of the hydrogen isologies deuters,m and traum. The rapid motion of the heated bashes the atoms together lusing them

and releasing energy The most promains type of fusion rehuge cooker composed of electromagnets arranged in the shape of a hollow mous Tokumska-and one of the largest in the world-happens to be just a few reserts the orthodoxy the state church of

> ets Magich is an apostate Like an established church confronting a cult the nuclear energy establishment team of physicists are rarely quoted in are asked about Magich's work tend simply loseken return. If this thing is no good then why is nobody also waterig on it?" Masksh calls ther terse response a 'con-

One cinto who has been particularly outspoken is Marshall Rosenblyth former top plasme physicist at Princeton Plasme uwrity of Texas, he and Maglich used to impart some new criticism of migma

Once in 1976 Powerbluth became so insistent about one of his officiaris that he demanded to speak to Magich's scientific stooring committee a panel of outside consultants. Marrich was womed that if tee and then the board of directors might He was convinced that Magichia calculations were off by a factor of 100 it was a his theories preserved their calculations. By the end of the session, Maglich says

Perhaps in reaction to Rosenblish and other critics-Medich has been noticuled as advocating "a reactor in every basement'-he sometimes makes the conflict sound like some elemental battle departed Tokamak the rebellion of Aneutronics against the empire of the Toroids supporter. And he can turn a confrontation into a shouting match, adds another

trong reactor model-Migmai a device you could hold in your hands-Maglich had achieved use about everything a parbed etyposis could war. I he was a full preference of higher and he was evaluated with the accelerator council by Princetor and the thready of Memoryaters. I held posterious amounts of footen money to received a second of the council and posterious amounts of footen money to received.—1900.000 of in recommendate funds. And he had grapped the key good of the stall of he and council punish to soon a second money of the council punish to soon he had a second money of the council punish the money had been contributed to the council punish don't be not the full and doctorated for the activement by feed doctorated for the activement of yellow delet feeroncy into had also belook to produce the council punish delet feeroncy into had also belook to produce the council punish delet feeroncy into had also belook to produce the council punish and the council punish delet feeroncy into the council punish delet feeroncy in the council punish delet fe

Sectional Programmer Magazines, in 1888. Magint studies in England, recovery in the doctones at MiT, and del postdoctorul exchange in the doctones at MiT, and del postdoctorul exchange in the section of the doctones at MiT, and del postdoctorul exchange in the section of the doctones at Mit, and the section of the secti

a required to get the process trained in the test place. But things did not go well with Rutgers Moglich was a professor beacastly running a private company at the same time that he was teaching. Rutgers under university policy was entitled to right on any patient, sheekinged by as faculty—as sure determined to outside investors in Moglich's company.

After threeing it over. Magich decoded for seage of the policies of the service of the control o

nations the Torocks the wrong way. Conside Maglichis solid I chose of momentature. At legithe balled magnis at a new way, to achieve leasing (Febricasis) when happers in ameditance is part future part for son, closerating on the facil. But after Three Mile Stand in one wanted to her anything should neckear energy. Thou said. Asion on Wall Street ("Maglich says... They would three you out." So he began to refer to the process as the present any of the process of the process of the standard of the process.

phaseing offer Three We lidered and later Channely! the Frontadeactive nature of the process. He even changed the name of his company—traits Aneutronic and then.

because no one could pronounce it " to United Sciences Macich know Dr. Vladkmr Zworwin, the

m Maglich Innex Dr. Vladimir Zworykin i the aging lather of leterore in not rouspithing to make a color of the company A phopograph of Maglich and Zworykin ell honge of the hospital state of the company and the hospital state of the color of the thin me company leased lab space in an industrial facility on Route One cutaste procession on the from primation Plasmia state. We had a bibliograd out from "Magcion receils", that selemed to clean fusion.

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One passedly who saw the billhard was, a Mentil Lynch investment analyst named Philips Bradfard. He disposed by on the way towork one day to find out the story balance the sign. Soon he finished Maglich to Al. Hammel, a Meetil Lynch vice president who highed hert find what the Southess and Exchange Commission calls "ropthe-

€The only way a reactor can win public confidence today is if Mike Wallace

shoots a bazooka through it on Sixty Minutes and it keeps running ?

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## ANTI MATTER

IFO UPUAT

### June 6 1984

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Kodak Vest Process Camera and the undeveloped film might prove Mallory the fire conquiror of the world's highest mountain. This but of information more cond in a New Yorker

This bit of information monitorison in a father Yarker article caught the eye of Massachuseth computer is gineer Tom Hotzel Hotzel went on to devour all the books in the Evented Section

triary But he says. It is as a somebody had taken sciences and cut our the lichipotes. In hones of reading the

In hopes of pasting thes chapters back in place Hotzel recently led a coard for the cameras. First he obtained a permit from the

he asked White's Blachold Naw England to build special nugged-duty me describes tuned to the tri and stake construction of the camera. To deserted the camera (section 40, ac-

he correct efection di solini, for the carrectes Whole engineer Hugh Keer used he only assistate internous model of the 62-year-old Vest Pocker Curreita. If had to be shapped from the Kodak Patient Department Museum in Rochaster New York.

trek in the fall of 1935 used metal detectors find oxygen bottles a seamed to be a 1925



has here they one stand with the stand we bodies of Mallory supposedly lies Hotzel pays he another group to

Hobbi Says his will send accident group to continue it search this spring. Despite at the high tech through Matory's carries will be tough its like looking for a neede is a haystook. Kee-

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blod why he bothers he choos Sr Edmund Hillary mous quote "Recause lailory's there" —Joff Tay

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— Sherry E



### CENSORING

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the species today are due to adaptations

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6Few soventrets have the patience to mon un atter this envi of inhony. Yet it's a into somebody has to

do. Creation science 'experts' take advantage of their audience's ignorance 9

to determine how old a rock is. This is after hat life of unarium 238. "You gant look at

Baumgariner is a handsome men, a his time, he energencially articulates his no deling he has to reject the two pillars of modern physics-relativity and quantum

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ers-what they have is a heart that hates just end up with a well-aducated pagen

words to such an extent that the commit-

on the stand in Mobile the rather nervous that monkeys were our encestors." I said No and I will tell you why accombigably'!

reter Releard Leavey Level Smith Julyo made a statement in a conference in Calif bandwing of the paleoanthropologist's Crevingt solong ago that the privilence! warped reference to the logal hunter stands. approach to the emprior world when they

mind necessary for creationate to avoid thirtung the unthiritable. On the surface the case has nothing to do with spience. The

a religion and as such should be expurped from the Nationals When Own called Thomas F Parker Inwert for the account advancano the beliefs of a religion alids between spence and our case, you'll

The history of this case holds an absurd Jalfree a Mobile Courty kindergartner told his parents that his teacher was leading 1962 his agnostic father, attorney letimied Jeffree West a lowquit accord teachers and not only prayer but also teachers who were bringing religious tracts into the classroom. If had the support of no one. really. Ald the escale. The first case was very emotional. The born again Christians carrie with their Bibles, smiles on their laces They lold me they were goeng to prily for angry I received threatening litters, phone cars legal on the car names on the street But this secular turniquent thing :-- inflore really irresested but the sudge, the attor-

McKown was Jathree's only expert witnext in the earlier school-cover case. "He s

who was allowed to restily The paint is posting at Jatheen office at the Logal Services Corporation of Alahama but he ben's of westwee offers a view of Motale Blay that New York greecs would left for His patrician Athorn treduzes. nhow only a hint of the stress he has enconstraint in legal courbat, but he is clearly obsessed with the ongoing ramacations of the 1982 case and obsessed with Judge Hand At the time of his oppored 1982 rulng, Hand, a Neon appoints a oquated secular humanism with communism, afterism incredicism and socialism calling all of them mitgors: "Hand indicated his bias at that point." Jaffree explained, "and started making region about secular humanism. It was discussed during the trial." McKown remembers. "On the winess stand I adopted Dutibarris understandlets that unite people into a church imoral has nothing sagred. There's no object, no nitual on action, no perticular ballets that

then I guess you must undestand the in and you'll discover there's a difference be tween ecicle and awalible. If had no effect cornol falerate prything incongruous with what has been decided." in a footpote to the 1982 case. Hand said

humansm "And that's what he did " says Jaffree "Out of the blue he reopened it. samed the rax hundred defendants into board " Hand effectively removed Jaffred quast for afformey's fees, which would amount to at least \$100,000 "Secutiv humarism is Hand's baby. This is his case." and hes engaging it. He doesn't even pretend to be imparted." Shrugoing his shoul-

come a very personal vendetta him against me and has got all the power it was unlar

sudgree have so much power they can do In the Hand case the Alabama State intervened to defend the textbooks. As in the Terrespee cres support over both The Alahama defendants were rebresorted by Hoden and Hartson, a prestoconsiderable financial support and legal

If Hand finds for the plantiffs-and he pesi. Should an appeals court and a Reagan-packed Supreme Court rule that secbeing faieted on Christian children in

> ♠Old maks don't look old: new rocks don't look new

Books are rocks. They don't have nice little IM THREE AND A HALF BILLION YEARS DUD 9

classrooms. The Mobile subge might indeed have his revenue. And he will have In the meantime many plaintiffs say they no represed only in hisway religionhistory textbooks. If that had been the only bone of contention in Mobile, there might

cannot resist a touch of marched. Tel the truth about religion? It's a deloious irony If you think we've got turnoil now wait until religion cets its due in the schoolbooks! In every religion there's a clark side-a very In Mobile one expert for the plantifle

evoked a gleeful laugh from McKown et had been there. 'Rids are being bambooried about religion Complemed Trendry Smith a professor of history at Johns Hookins. Unwersity, who deplored the tack of wriften information about Christianity in Amertext that in a section on the agnost of Ca trakcism in South America included a The parade of witnesses brought lorth

demosity. Have degree, will travel?" After affair reminded him of the scene in the

on the cross were borrowed or new in his the "functional gouwalter" of a religion. since groups like the Ethical Outure Sop-At another point Judge Hand leaned over

accent being on a Wo of its own Hunter on the definition of a religion. In secular humansm he said people believe in progsess change, scientific reacrolity-enveite group in this country he continued These people have appear to college they ple with advanced decrees. Elitete perfoundly prominent in the highly educated in the witness box making a steeple of his.

hends recossism in bronging up ofelectual eleant howdoop in the United States. Americans are victims of a proloundly anti-intellectual cutture. Were the biggest class of knownothings to the citalized world ! nave McKrwn. 'How we could have so many magnation | The religious needs of the people he courts out are much more powerful than any scientific objectivity or dispossionate approach to things - somedolars, and nothing resembling critical

thirtend takes piece in the public schools turn of logic tanguage mathematics, and dation of any sensitie future cumpulars But Americans fear logic McKown continues. It's part of our fallen nature -over since Eve sank her team into the fruit web. Subfication, if would seem, must be ackled to crace and fath. In a crunch, elucational reforms become possible."

sibility? Christianity is a milennel religion.





## Mysteries

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and we are fast coming up on 2009. Over

and the fundamentalists are saving. See Supposing Jesus doesn't come by 2000 says McKown The said of Jesus

do with it. They are so blind

Bible believers ranging from Hasido Jovis to Monnons to Pentecostals to Baptists?

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# OMNI TREASURE HUNT

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drassist, samped envelope to Cerus Winners, Box 818, Boston, MA 02117, no later fran June 30, 1987. TREASURE HUNT CLUES

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you'll serve yourself with a special lend of speci, you'll serve yourself with —Claus created by Gloria Resenthal

Any of these prizes, from a hovercraft to

a videophone, could be yours if you're both perceptive and lucky

## OMNI CACHE MACHINE















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Pione (\$2,500), 7 STS Home TV LSR Salada Earth Station by STS, Inc. (\$1,850), 8 10 MHZ Turbo XT computer with 20 MBG hand owner and primbri by ACS Importers (\$1,500). Not shown, Internative Victor Product Vocation SPS LC. 8, 400-word speech recognition board for IMM DOVYTAL and consentative (SMS) 6,



















A set of Luna Talecon perure-terrenating salephones (\$1,579 each) 19: From Caren centers, a Caren 190 Professore \$LR outs with 190 body and normal, wide-ingle, and zoom lenses, plus Specific (\$1574) 11 Claren cur stereo Audia Colection, including a 2005 suns. EDX 700 equations (61.555): 12. Three budy writers will each receive \$200 worth of layer from Carefon importing, 451. 13. From Case, the C2.1 fall series key synthesizer with programmable to sanitalisty; It has 64-194M memory and is Mild competition (\$1.400): 14. We business will be the programmable to sanitalisty.

Conningle from General USA (\$7.70), 15 Saven reinters will each records a Mon-Eye Vector Patalar Detector, model (\$0.70), from B.E. L-Tronics, Ltd. (\$236), 15 Natistions. The Hallengecope land and day streets on which decides as a telephotic camera iero (\$200).

### KINGDOM

was blocker than any right He thought of it simply as The Strection

When it name the building racked it elected through the glass it grabbed them both by they very souls, and they trem-

They werled They seried A single on from the baby's room reached them they hold their breaths, and the cry did not come your Sometimes the baby could sleep

statnist sound would wake it harry was the belov's name. When he thought about her, it was as if she were someone else's. As if the woman beside him were someone stank will Had they They wasted He felt her stiften and

gone Silence carrel back Once a little later he thought he could tool the building tremble. But it was only the women beside him shifting on the cough. It wasn't going to come

Even if it did if wouldn't work this time. worked-for him He self her against him her shoulder

warm It marie on differences A trus magazia An Einstein intersection Black hole wormhole patallel unwetted colliding, or literal gate into literal het. He muid not have said what if was-firs Door sometimes taught English sometimes

his wife when the universe sperried to and at from were suddenly gione it was the same right, according to were going to try for Harlem again statio the same pt morters and anaparsonnel them-weeks before. Two nights before that ser' home the terracious franci d was. They'd dow, but the strike on Harlem never came off. Thron work moonts of new black man-

laser-arred, intrared assault rities-being

mercs, and a story about a wal epidemic and Atlanta were as bad DC was a for its own revive sons, and LA's sessits.

people sied, belonged to high-tech urban warross Rural New England was swarrped with refuserer the Michael was block aded and you didn't leave the US if you didn't wart worse. No one knew why it had strated remarkers of course—term domnestrators in 96, the San Display meta down the Cabinet Hoss is revolution in Mexico all of these things—but how it had Sarah's brother had taken a hollow-point

### €The heby

screamed, and they rushed in to find a ball of ragged yellow light hovening over the cnb.

moving slowly away, finally disappaanno through the bedroom wall 5

build on Fifth Avenue, learning the back of bought the generators and a manual on their use, had includ their supplies, and had he could get from Max Chancy in the

Was it only two months? So? He could dining room and bedroom. At the beammember her crying arguing, and before Sounds came to the helivers culside their door These were poundings on the wells. on the door each day and voices, but

as not your business, what is happening

fect you will be right it was saying still frome made greeny and unclear-and beeing alred and alone saying invived that

Twice more pictures appeared-of the caty are it hard price been, of the park as it was now of things that looked real but could not have been a colleg black shape boing from a strange see, a sky with too many state is winged man glowing with a quickly these pictures-like accidents like other parts of the building, and they never saw proofin walkers on the land badge be-

while she stood behind him, sudging One day the baby acreemed, and they ssusy disappearing finally through the two linguist burred but she made to sound And then suct as suciderly the breathing again, and so were they smelled oddly like ozoro-he found a tube of galve that had not been there before

and he put it on the beby s lingers, and the Ingers quickly healed A few days later he found three cans of weamables on a storeroom shelf that had

He grow aware that she was learing against him. He started to say, 7 ye at 8 co. two hours left" knowing how she would arswer but she was asleed low books they had in the apartment, and

wondered screen what a public library would Charubim and serzehim Nabu, Kerubu, Azazel, and Salan

Aware Therefore messencers later sons. The Armenan hosahtak—angels at the beginning of the world. The Jananese on-Japanese host of angels. The Porson depotes. Hebrew marak. Stone "ongel of death and the guarden angel of Danes. Aliahis angels sent to worship man. Africa's chief of the encets who brought rem And the dark Panis Hindu demons of

the night

blood of a dead man angel pound out his loss upon the rivers And the fourth angel poured out

But best of all, the poem he had saught only once in lifseen years: Castor and Pol law winned children of Leda and her godiler swen

He thought of the creatures outside of this had happened—this Door-and what & must have been like for other mon and women-on the service of Judgess on Atn-

cineted which would show hard come from and

It wasn't real, and so they didn't move from before them, changing before their ever-When the gweg struck—the class band

ing with the blow, the teeth alignous along the tweight—he ran for the gun The thing was gone when he returned dow at the place where its salve had

They wasted about for it to return For He seared at the women in the deduces. room. There he undressed her and breely

ther lights-all of I tred her She de-

and stood listering. The fan was old and loud and he could not believe they had drawn and the loaded Walthey 38 from the Tupperware budget under the eink end went

It took him birt minutes to remove the slowwork but queter than the boils would

When the last sheeth was free hanging against the countorne he lad the scrow

the Walther and mached for the doors on

four Anything was better their this-the the waters, the not understanding if he

one with first-oad training, the one who knew CPR but whatever was making throok up. pear on the storeroom shelves would take would be akey. He would come back as better, or as soon as he could stand the

When he surned, certain that she would be standing behind him at the bedroom He stared at the empty doorway remembering prother woman, and becames rectacy for represen-

When he returned to the bedroom she was asleed in the bod, the solled covers They said little but she seemed rested less. ing to each other and he was grateful. The

ators as long as his legs could bear it. The pectating made from want to screen the bridge toward dark cittle. The pale errors were high above him, playing and lessing overhead and he could see

soretxising-louder now White it? she asked stupid with sleep stratocoks say? How do feelings day? How does a man tase what defines his blo-

Blasted affect, perhological bonders system retrograde annessa. But wannt it He barely remarkered last summer It was as hazy as someone else's memory

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# The Artist o ART CUMINGS





Is this how you get your kicks, Creep?





-And I thought Norman Rockwell was realistic





halfing I, on a namow musty bed the could have been anywhere—Maintain, Breceiver, at Albary. She had used the remember of the street of the st

The body had been a matake A skip of spanmodal from You don there give in its a world file that if you can help it, do you? An older manary water do work mit then, demonst and world jih it a boy mus give him then, the surroy dutder! He sho was pool may 1 help went to a perty. In most affect of the same them after beens, he was affect to keep her in fact drawn or in another she laughod.

In fast circum or in another she laughted at his shiphest, put her stars around his neck, and made love to him in the disk while the plant, went on brove below them. She had never been a nursing student late to dish neck been so full following the had disvipulsed before the first below the consolidation givern as the disk of the body-defer the disket, but had always lied. Workshang even as the disk put had always lied. Workshang even as the disk below the star that the fourthead and where the risks dispersion of the floats author cross dispersion.

When it came again, it was a pounding on walls and cloors that enhand their bodlos like adversable insapping them upright fire dolls. The walls shock. Sounds that through implimate utilities with the pounding, which was loader them.

My God "she said, struggling up, heating toward the baby's norm. He was mining to the kitcher on the balls of his feet. He grabbed the Walther from the bucket not back down the halvey and grouping—naived—lain feet from the free!

The pounding stopped A voice spoke. The words—If they were sends—were not human A weight moved against the cloor. The stratchart home sends.

CREDITS

Page 19, Chi key decoded Juny Fundages, force
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"(jo away)" he found himself shouting He made it looder. "Go away? Playses it apermed to sky A hoanse white per A word impossibly human. He held the gun with both hands are latered. The balby made a sound. We heard her by to queet it On the other sadoff he door something mowing light in white.

He held the gun with both hands and belend. The batty made a sound the hand her by to quell to the other seds of the door sometime; movid again, whimpeed once and did not move again. It's if gode? the selend She was at the end of the hallway, aligned to come any closer to him or the door.

heavy His arms hurt. He continued tower When after an hour nothing happened he got up, walked past her without a word.

he got up, walked past her without 8 word and got dressed. As he sat at the generators, he laid the

can on his hay by the test. They had steppine about it and week. They had steppine about it and week to be a second of the steppine about it is not be to bodicom for something. The battly in her arms and were prisengling file from for door when it began sogal mod the something and and the body began mod and benefit here sheen over the thruster of the pour they have been sheen over the thruster of the pour they have been sheen over the thruster of the pour they have been sheen door the had sturnload and was trying to get up with the battly the grotobod her sparked whe battle knot been yellowed.

Tween him and the door.

The whimpering was there again, borely suddie under the pounding, and he opened his mouth to shout. And then as always, he heard the other voices."

And as he heard them, he felt them in the mansword his ballis! Is the bowels of the building high and inglimment and each to test balling human that at test he had imagined something dise—straining wood screening hinges blood thandering through his dem \$AU.

well like the wind corring list.

The thing on the other side of the door in the state and grew heread Through rist franter scrabbling, its franke rabbing against the close, the could hear in whose Please He opened his mouth to should and successed. There was something about it.

I was be resided than like a child's femporing Like a child's lear

He inhault have around chronic here. Southerd before in the other must in gar aways but he cut not. He locked back it in her her open sowed Chro of the factors and the copy and the copy

the membranes in his skull the waven of

110 0464

ness the lought if managed to keep from falling to hold onto the gun Outside the thing whimpened globered He tidok a step toward the door Not his wife shouled.

and "Not his whe shouled."

The receive wife their now. The fing side outside slid to the foor and began to minimum and any the door bucked should fine it may be again the bady tossed like is not again the bady tossed like is not any. And fine the armhal grunning began obscione and thythmic as something we writed if their size in separate begand

Replane: Not He was all he door furnishing at the balls with his line hand balance he heard flor securingain. As he pulled it open writing to close he gives but knowing he bould not tell head the Watther into the deriness only notices from his bloom for again and again until the clap wis smitgly land as the only deliners boun away from his therap and deliners boun away from his therap and as the country of the country of

6He was running to the kitchen on the

balls of his feet He grabbed the Walther from the bucket, ran

back down the hallway, and crouched, naked, ten feet from the front door.

ton root from the front about 9

no words—and he reserved down gustbed is the body that by all his lock pulled hard, and somehow closed the store Nighting pushed against the door Nothing, looght him now but the frowling in his skall would not stoo it wersted him. It had werked him for eternity Without looking down he skid the bots in refitted the chain and

When he surred he saw that the thing had cused on the foor making no sound the wee was staring at it afraid and he daughter was change.

Even where these wann't blood in a book was day the har was twiced and oriented is but man and in price and i

The thing smelled it was the sall streak blood but also the smell at a wat aromal e terminer from childhood land he could by wonder at it. He couldned down The leg gaw her leyes deering suddenly in pain and privad lawly from him He wanted to touch it. Never had he prited to touch something so thick?

The eyels write yellow like those of certain dogs and the otherwise smooth harless the dom was often dated than had imagined. And the tips were full and ordered with several between the tips.—se-Between its legs, where the trighs—se-

Ionshingly thin from the etrophy of flightwere streeted with dirt and shietering light the shadow of its organ. Interfere and pole He wondered what it felt like to make love in the sky. Till walls with logs not meant for walking. To die under such mes

He wondered what it first live to make love in the sky. To walk with logs not meant for walking. To die under such jaws. He looked up at hier and as he did he fot a diczenes and something live rapped light filled, the room. She looked back at

him The look on hat face wenn of by section on one of any more fram his was the has been wrong sometime. Had site at ways and the body that way? This site at ways and the body that way? This site at ways soud as sended in the property of the count behavior beginning to the country of the co

day. The bally had stapped cryng. She would gow up knowing angets he flought to himself.

He could remember test summer all tast, so depthy now that it look his breath lower Warsport yes. The great long liste with its heaton stands and shorn—beautiful even.

with the quantization encrywhere. The two of them had swim to Pekel bland more than once nativation that in a fact that once than once nativation the right and on the same warm feeling of all measures the beat more one again and right until their books that there is a fact that it is a fact that the same and a simple like mortisity. They had stayed until the beating maples to trind filters and and the same and a simple stayed until the strip of the simple stayed until the strip of the simple stayed until the simple stayed until the per grew coalt.

Joanna had not been an accident he secaled 1 know its an ugly world, Jany. But we can not if We can make something disease for a child 1 know we can. She had never been the world in he had hearth which was the unferstood that trav.

be different. They would be note to make the building—perhaps eventually the citythers and it would be different. They has let the creation and as he rief the new with

let the creature in

He got up, and as he circline saw what
looked like seeth marks on the hench and
feet of the creature beads him.

And then the creature crosso in part DO

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I yet people at a congrary called Secure Chemin — the same one who furnished it. I will almations sudies for the Jacksons such and in her-treating it a possibility as post or of Community of the restriction at 37 million vision of King King, with most of this feetgoing mithodo for the Lin westal.

with mode of this foregoing intercool for the Lin wersal Studies tour—now comes a 300-acro theme perk, cutable of Kusta Lumpur in Malayata, LSCO less below the heat and humdry of the Southwest Assim coestime. The pase—the first of its soon in this peri of the world.—

controls the judding errial and arrivation for by Prince and arrivation to writing error ground arrivation to the prince and arrivation to the same tupe in a "Fly out about the elevation the results and arrivation the results and arrivation to the prince and arrivation to the

park will stract weather business rem from Dystarts, among other places, kurry them with a put, time change until a caseno and a twestar hood Other features include in "hype world or orgalized with space states and armatomically delivated food — George Natibe Access Late 1988 Contact

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### STARTECH



### VCR'S THAT CAN READ ... EROM JARAN

show information contained in the act Matsushita, the world is largest manufacturar (one shown above) each held asmote-control device

channel information from a bar code like those printed on supermarket orockutte) frared to the VCR. To gear gram guides are including by: codes along with con-

vertional text in their listings ergumped VCRs are higherpriced mechanis. Metaustria the feature standard on all its machines, Metsushita--which menufactures VCRs sold and Magnayos, among

ogy-Marjone Costello Access Available in Japan

FREUDIAN PIPE While floating down a Mart Loring gast an envious

out to yrwent a tobaccoloss one The result a clear loud (Lorng suspess fruit sign or worll which is re-

leased into the mouth in a tookle as you suck on the mouthclaps: A law ounces of liquid last for hours go through the oral stage Freshirt based about and to enjoy sucking, "says Lor-

MACHINE Pwy sings paper money

ing boous bill detectors for way provinces can still erroy

people who maybe dish that David Bryce American ourpipes our help them feel calm myory has a magnistic propand fulfilled -Shorry Baker

counterfellers smoly around ten distance thes year

### COUNTERFEIT

prough nurturing as infants.

300 years ago-counterfaitma has been a problem companies as Brandt, Inc., a

9215 50 when they by to duplicate the irik and pass bad bits in volume the sensor equipment and trigger a light. - George Nobbe

to their



CODIEDS

Despite the smaller saw have remained for the most All that is changing, however generator of hand-held contheir place next to calculators vide an electronic way to olio articles and other lengthers from set greatiger lold and tear method Copy-Jack and Sher Poorts

Both devices are made in Japan and use thermal technology to "read" everything from magazines and newspapers to documents and write copy is printed on roll inside the copier The portable units draw they

chargeable batteries Weighing matabasta cound Copy-Jack can copy Copy, on the other hand, own

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deuted and people begin begon Reach insade the cytricist and by to pin if down and

there's nothing there. The mof living or moving subjects could be made only through a process. With new advances in multiplex production with conventional 35mm displayed without laser

formed into a hologram—and subjection a slowly rotating piatiom, used processy. 35mm equipment and light

a 120' hologram is made

up of 360 frames

Le laser beam and projected which focuses the image into a vertical line. This narrow. high-resolution frim twees mounted on a curved dis-

play-and vota! The ob-The meny individual frames perspective of the subjecthologram Claudius believes unimited applications it clarify visual concepts in the chargoom

Access A 360° ouston



a 120" hologram with metal 745 Treat Avenue San Fran-

## INTERVIEW

complex to the point that it begins to control its own future. Then a self-replicating molecule comes, into the picture. It is visembling the sun could form and leave an programmed around them so clean therein nothing left to coalesce into smaller "coaly tockes. So there must be planets around Many stars will have planets too close, too liquid water on them, and once you have liquid water and all the other stiff. If a is-

Orsel How do you process your mages? Smith The image is greated by focusing

goes back and forth on a rester is displaydeciron-charge detribution that's on that window Rut the surface of the tube is more. it to distort the image. So first you try to get mage is a mosaic of individual pixels. There of responding to light of different intensitos and wavelengtrs, we treathern one at

to remove the effects of the instrument by a perfect instrument. Order How about polor images? Smith: Since nignetary spaneously don't made with blue, green, and red titlers and

green and red images, the planst-say Apter-rotsted a tri Blindly putting them soft perfect. The computer has to figure sety limited processing is edit pretty much of an art. It is an eve-hand interaction. If you sit in front of the screen and type in commands with a good, test, modern systern, you get the picture instantly. Then you

can clearly see the charges you've made can help you to see subtle desails in images. The problem comes when you give copies of these images in the meets to desorbs these subtle teatures. We do say This is exerciperated or talse police "but by In the encounters with Halley's Comer, all max everything that was abown to the methe Vege / encounter. Radio Moscow's

nicking on the Sowets, but enhanced color Daw. How did you get involved with the

Hungarians and Sovets?

Smith. In 1992 I heard that the Sowets were

modifying one of that Wirus probes so that they could go past Versus and on to Hallovs Cornet. Later when I was lold they planned to use OCDs my interest went up enormously These would be the first CCDs mutual friends I indicated my interest in seend the data after a became aveigble

Later in the year the Boxets suggested tolowed a rather partial process of trying to get this all approved because Washing ion was very wormed about technology transfer image processing is used to guide smart bombs, so as soon as you mention ri flags start poppeng up everywhere Actuely, the way we process images is not all that applicated Many of our programs could be quickly warked out by graduate a step toward cooperation between the

Sovets and NASA. Seeing the chance to the Hungarian's Still I took almost three veers to set if through

Thirleng on your feet often proves emberreasing but the public wants to know what wave found night away Once What were the most agridount and Smith: The cometary nucleus turned out to

larger than it appears in the sky. There is an inverse relationship between the atthe long dimonsion about section to breecight. That makes it a good len times more massive than we thought before

out from very discrete points on its surface. So most of the surface rand medium around into the sunlight, the comet starts putting out a let Rather than the whole gas and clust into space, these jets come from very discrete locations on the suroff. So now it's necessary to explain how









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about "Its as billeggies as saying that

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scientific inquiry. Edward Teller at Law with us, because he is obtaining his fund-

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The nuclear-bomber project-named

cerws-those who had already had chi-

Marsten found a shapherd for the noo-

into very casefully "Chappel says "There is no physical reason why it can't work-

Magich happened to mention to Chapquality of life, presently of universities-

turk viscus offens. And in the enri Mangalls to the Pentagon are returned, con-

who said that a power source like first was to political hot poteto - Maghich will take his

actor that would power aworson or nivopower an East Alnown village it was on rony Magich could live with to conduct test rune" of his as-yet-unbuilt

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langer—authitistically scenaring may go
wrong, but I'm convinced we could fix it."

he salve. Our system allows for external corrective actions.

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years after Migma V is completed a problypa of a commercial reactor will be wellable for the sophisticated user: Three years later assembly kine production of reactors could be under way. By the turn of

wagena around the globe.

In the fall of 1996 the Ar Ennos appropriations were received, with another all ton and a half—chean feasible by Petral gen strokerus—for continued seasanth Eastern teachy. Beather National Inc., to major constitución film has bean made a subcorribación to be practical continuado autor fractivo to be to accompany autor subcorribación film has bean made a subcorribación to be practical cologians autor barria sissipand to create a port occur. To del subgrand to create a port occur.

sons The National Academy of Sciences is conducting a complete equation of the hastelfy of annutrance energy at the request of the AF From Annutra is just back from Baltimase where he proceeded points to the American Physical Sciency plasms physical disease. The society half all fall formity accepted the cortopory of migras But more exposurant at the second process below as the preparations (Meglisch had

Senior stairms people accode who used to be aux tagged elementars. Refer in eight common and official me flay when count the control and told me flay when count the matter is all to the flay when count the count of the count o

clamentes. This tough officesemmakos Maglich happy. To have a man of Resemblish this delante even degraing to omocial you so a wolday, he says. Maglich abopa hieraelf. "You learned to also upon and olowins in head yourse, I by not be get overly excited." "But you lind wer described heads." ON



Mere to the common key to last monthly specifyingst

each symbol is above and to the right of the intended key in We have let the least stand for a prose between revent which assumes that the right formal the stands and the embed of the spons for in Central within assumes that the right formal pose is the embed of the spons for in Central within the property of the spons of the Central right result for the the 10 to be the right formal right formal right formal right formal right formal right for the right formal right f

Here as the solution to lest month's questycrypt.

"Always do right.

This will gratify some people, and

This will gratify some people, an astonish the rest. ——Mak Fean
Here's to Rare Character.



# **GAMES**

By Scot Morris

In the May 1966 Games ntrial?"(Nanol-oro-When it's heated it sorings lovs to complex motors that

a ven through a catheter in a houses and Injestock buildrestored to its original shape supplied those problems. We



Than after an accident

bender Amore promising application might be on

eight designs for space shut- I involved feshioning artificial retinol to operate prostheod

fuses sprinkler systems galongine ten years ago. Our judging critera were ononal

gets an Apple No personal

GRAND PRIZE WINNER the temperature drops below "calls eve" minutes because Particitors mounted on a

BUNNERS-UP Aircraft-trei pressure relief -L E Open Pinelgwn

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Toys and tricks: A retrict cost

### GAMES

 Use a blowforch and car dents. would pop out like in Stephen King's Christine.



when a battery pulse caused

Another application would dissa in one letter---come.

water and designesser might of electricity and drought reclustion. To reduce hear loss damper could remain closed when an engine heats up

> A bottle cap that requires no goester The heat of your

hand expands the cap and

Electronically tunable curlar -Jim Pass, Part Moody, B.C.

- Bandy Altmenn

for water warmed by a soler

For expectagnal ideas too -Joe Savienson, Baker LA are awarded to J. C. Mc-Comb of Portland, Oregon Stex S. Werner of Ownor Forest-fire distactor/proven

Derby, New York, and Suradio transmitters from a plane over dry forest areas An automobile at conditioner increase as the engine got

The 'ship in a bottle' industry Larry Kura Alberraterous, NM saling vessels have been Drash-rosistant model planes. -Edward E Kerbs

power a skrift by explosing warmer bottom - David S Shiller Adams

-David R Motors

-Mrtim R. Schwartzweider Wasve try strands of nemol

-Oirson E Major

Chain-smoker's ashley It



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