# **FUTURE FILMS**

7 GREAT DIRECTORS SNEAK PREVIEW THEIR OWN MOVIES FOR 2001 A.D. UNK: RUSSIA'S GREATEST THREAT TO WESTERN SCIENCE 8 MYSTICAL SHORT STORIES THE SECRET LIVES AND DREAMS OF ABORIGINES



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### VOL 9 NO.9

JUNE 1987

### EDITOR IN CHIEF & DESIGN DIRECTOR: 808 GUCCIONE

PRESIDENT KANY KEETON EDITOR PRIPACE ADCIADIT GRAPH-05 DIRECTOR FRANK DEWINO EDITOR ALLWISE DICK TERES MANASING EDITOR STEWE FOX ANT DIRECTOR DWINE FLINGHTM

CONTENTS			AOF
EBSTWORD	An End to Hunder	Land Miler Ruppe	NUL B
	Contributes	care were nappe	10
CMMBUS			10
COMMUNICATIONS	Conespondence		
FORUN	Australias Deaming	Susares Ozyler	10
EARTH	Fow! Play	Calhenne Cecheld	22
EPACE	Asleep in the Cownee	Stove Note	20
EXPLORATIONS	Profe Societain	Bil Lowren	30
STARS	Marien L & Search	Eleanor Smith	- 32
CONTINUUM	Physics Hollywood Byle. 60		36
A NIGHT AT THE MOVIES	Future Movies - David Lynch John States, Mel Mooka, Susan Sardelinian Richard Areaborough Michael Douglas John Senteininger and ontois Gene Sarket and Roper Chert	Merentang	44
THE VISIOUTION. AND OTHER DWINE ENCOUNTERS	Fiction Dight Religious Takes	Geag Bear Génerd Khan Michael Bahopi Connie Witte Reger Zolazny John Rummer Demen Brodenol Jack Dann and Jeanne Van Buren Dant	54
UNK THE ADDELERATOR THAT COLLEN T SHOOT STRAKHT	Paulan Physics	Pobert P Crease and Charles C Mann	63
REEL ILLUSIONS	Pictorial Special Effects	Thomas G Smith	70
ERIC WILLMOT	Interview Australian Aborgites	Ketty Keeloft	33
ANTIMATTER	Judging UFO Evidence allo		95
STAR TECH	Tools for the Year 2000 .		125
GAMES	Pesults of Competition #42	Scot Nems	133
LAST WORD	Harrow Tarkhy Brites	Mice Write an	134

We determine the second secon



The compution sets his pool landscouly storing to achieve it is matter have offload the challenge. Success teconies an landscorp (coop it's objoathe CLSK Darbar owned in california a Shoori Verlay, photographied our cover The Gold Hand With Buddewin



# FIRST

By Loret Miller Puppe

Surely we dan devote curstrives to dealing with the problem alteaching the world. The world to crying out for our help. Ma pous registeric with caring, compassion, creatively, and cultering.

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Bits turnad the idea over to associate editor (Avery Cox Who conditionitial the project his later includad comburg redoated factor (com-with the seemingly redoated in the comburg association of the assignant Mary Salvage Guckerson What movie Lang asseet the directors would por mosi lies to mate? And what hune technologies would you use in it to expend water at?

Trackyl the breaktor were anthusetter about the organized a twe expressed concern flux another filmmaker regist asal thera concepts The final result includes creative input loss Susan Salameran, Nethal Douglas Mice Brooks John Styles Richard Mice Dougl Thee are source includes and a synopher for each twenty resi centary film as well as inferences with each director and with critics Gane Serkel and Roger Ebert

Levery and of course in communities and appendix of course in the course for a course of the course of the course of the produce or apply course of the course of the produce or apply course of the course of the course of the course of the produce or apply course of the produce or apply course of the produce of the the the produce of the the course of the mean produce of the produce of the produce of the mean produce of the produce of the produce of the mean produce of the produce of the produce of the mean produce of the produce of the

We wonder if the appearance of that eight story had anything to do with a higher subhority is milleneous it so that owne authority might dabble some more in Oren aflars and cleiver Devel Lynch to our eddors officer DO

# ETTERS

# COMMÚNIC/ATIONS

### Spacetarers

I'm impersed with Hugh Downes oddanot on the search pergene (Fert Word March 1987) I am sending copies to people of influence in case they missed the nakes. Other saders security New Binan, CT New Binan, CT

### Spin

The Lift's local may have been decovered already ("May he Force Be Whit You Mach "BVT). It appears to be a background force a kind of spin held ascurvit the body. The amphade of the force is parily a function of the geomagness held activity. Benetral researchess have bait microments that work their.

Buryl Payne Phi D PsychoPhysics Labs Phymouth MA

Compativitieors on the superit article describing Episteem Finisheeut and the 18th toxice. As a high school physics and dematty leaders i three followed the apports in the visious science magicunes but here of them reported on the physiomemory no singhibitity as you did. I look forward to sharing this article with my current physics dualents.

> Leman Bay High School Engineerad, FL

### Mencle Worker

Whiten C. Mencies and e on the Processor to Lask Wook Match 1987 was repositional functional door condrate. But wookder / Monicki has the guts to tookle Proud s little-known least of serve or Carl Jung e habt of playing with the food in gubbe? I crave more of the lock-ass type of writing Alam J. Crime

Oriando FL

### The Horse's Mouth

Someone once and that one of Wall Densy's great achievements was to show that animals have lives of their own with their own trails and increases of tepperces Halvor Christensen's comments in The Truth About Stack Beauty (Contrisum March 1967) are sested. His anthropernophic dog laments dying "uselessy" in a pound instead of "usefully" in a so Such values are obversal.

Is not a server that iscantials, with all they degrees and incovidege are threatened by volverable little creatures like Bernha and the padgments of children who are honest enough to display compassion? Jany Crime

Southempton, NY

### A Miller's Tale

Dana Concess interview with Alee Miller (Navh 1987) was obtained by Live been a lan of Miller hot several yeans and have been concerned that so law people know her work. Her insytte offer hope to adulta who were abused as childen given gittern of second her viceus cyclin of becoming abusive people show the source was people and the source of the source of the viceus cyclin of becoming abusive peorts therealises.

Now York

I have never need a more protocond examination of child abuse and as conse gameos shan the morewey with Alice Maler to reassing to make that both Salar and Hiller had abusen fahrens. And the Marqua de Sade was brought up in a church run boarding school where the more abuse the boart.

But Meer cannot some store where to the point of aboundry. She claims that all indemice results from childhood alcures what about violance done in the name of soft clefense? What are you supposed as do when someone is going to Mityou? Mark Olies

Lam a classic exemple of the abused individ wat described by Alice Miller T list so milliowed when I lead the interview because limitly found someone who undersands my tatume. They more people become aware of the destructiveniss of child abuse. Miller is uncovering just the tip of the location:

> Name Withheld Laxington Park MDCC

# DAYDREAM BELIEVERS

# FORUM

suarria Caylet, a crafts expert, is owner of B. Rugged in Highland of The High Nev Janey and author of The High Nev Rag Book (Harper & Pow). She participated in The Int / Author Jan Felance Conference in Melticume Balow is a selection sport har notebooks concerning at aboregines and diverging

The while propries and so very young compared with the Auxilians absorption, according to the Auxilians absorption, whitrin in themas beginning to napp the theority to of the deceming" are in more than it to GOB yours will be the the ductors myterio al zower the target of the Gucons myterio al zower the absorption before and boots them your with garpeneter—said before myterio at compare theory and them your with garpeneter—said before myterio (zow many accords)". To active with the form your geoconds)".

Dre-right Gareg he time I was shaping the sciencias of discriger to local and have backeting the images in a dissert table backet objects of locat backs, speaks Lake scients on a medical manuscript the backet objects connection the objects backet objects of the science contains one backstan in the vary fact or disses table on more and the objects be down the pleasause of scring on the speaket metion backets at layer.

In agreement how the abcorption 12 some androgore in strake signifiant by petitotrie of anitrity. Annexits are evident in birtis, arrivits, and the All the depetit he insinism of the wall, surbisliked outlaach (peckeether brebeset trakeing on burties and strakes), never go watertien to be the brebeset trakeing on burties and its mouth man through the inscheman alteruits, meaning on the strake and assist where barboo alterit grow. They couldn't rith back, Austabia held to become their harms.

I amaze a young aborigine girl in our group by taking out my contact lerves... my eyes are blue, then diark grien. But the lerves lose all novely after five taken one out and part it barks in three times.

While on a topless beach at Sandring

hem near Nelscourse - is occurs form Eine meaning visio Simaminalism - Leisent fim the nother of kills of chiefen of warryin allowated or is hill, a string prese United National Whitehaski a scientific to the science when the probability of a nuclear of the celector patient of a nuclear of the celector patient of a nuclear of the celector patient of annual meaning based on chiefen and the patient Apparently depend works.

In our working on the middl of whetever we are dong, the aboogness periodically get up and hence. Never a work of explatation. Then be address of a comparison of the optimum. These breads are not to stretch or get to be to not. No enrole change works at these whetevers are not to stretch or get to be to not. No enrole change works at these whetevers are not the works at these returns we need the new works at these periods.

Pleasures kalexiscope into the immer sion of devisiong just creft work. No aniestes about getting started, whereas



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al home 1 paperalantare over designs, linear to "grin software over designs, society is projucio mar occi "here, part amplementale a sensitiva a la domania amplementale asensitiva ja do when homes andher packet life al downessis optimized as the world over know the spacenase of emple regetive and/work wherein the mind post her, beyond answerty is bound of ascores or failure Doing in toppasse the altricipatory pando the brain the predict of and

Lideen immedie a wat baryon. All a ortian distance fromme there is a operane going on white edges and dinces i don't more towarts. Lam bated by doing something with a fash Li book in sphinkfort all fa socker. Am Li operang? Livelie up pat as the the patty is mark. Their prevences satisfied.

One city thear the myth of the flambour Serpert a great creator goet who made the rivers. I remember that the only lang I charabled secrification a goodby is the fact that mesotemic soletion were mean the river is when very very soling or very very odd.

European Borne Age case artists depended in a simulation y warding to be armite to in the case walk ware repeated with perioda with anower Bitgeis Wing? In perioda ware anower Bitgeis Wing? In perioda ware anower be had great mighteneo of animals. But Alasmas simply got warme and dire Alasmas simply got warme and dire Alasmas simply got warme and dire direct the source and the source and the source of an production of the source of a production of the source of the source of the source of the production of the source of the source of the source of the production of the source of t

writels out portuge the starting may writels out and partuge ther X-ray, style evolved to show the bornes they welfield to have an experime--teach for neeklaces small borns for additional body ornaments. Other wohes were expressed in al. Aborgen run dances molubed income lines into a boulder to make the sec-----o, can

As an adolescent I was entranced with

dreaming us " And in college ! studied ward their earth colors to poneltate my digging. At the University of Melocume. at basketry i sit next to two of the movies out a this one abordine women't welk if it that it begreaks absolute ancesital assur-

in my dream I have an impodiment in year old men the resembles a colloco. two, in case of loss." We have been

Whan I wake up I am reminded of the nal stort marking porteps the memory as we all work. When apmecine speaks

When I start realizing that this will andcrafts--- I dream In my dream we have no money. We in travelant and term correwrite in the wrong place, lestenno with souare like a repider in a col/web of brown beggege Than along come a hornd in a hanzy we know start to run and by running feel strong again

stars. The alonging has the time Along multials themselves but they also make

We have too lew mask concerning



The appointed myths of the detarriving proprieted more than 10 000 years app

exempte out dealers. As spon as I wake remember The next step is to begin morproteing them, making knis between I make suce and I rock-climb to often

top new perspective again comes into play arms around it. My logs are les a frog's direction. But I work the dancers dancer

anything no metter what that it would craftspeople singing to me. Leave crafts in near secrecy, let craftspeeple fruckly.

travel can were out a strong body Typing

With accepty, I plyings dream that I'm obtand to an track and finish schooleven though five been to college. With hersevely vesual. For exercise 1 do over

down After a sensation of endlessly



# EARTH

By Catherine Caufield

Reserve to the Networks Reserve to Acade Works Reserve to Acade Reserve to Aca

Becogene score prepared the output substration or contract hostocology to in law program the source of the source of the source program to the source of the source hosto are inspired to ware protection these are inspired to ware protection while the source on regulary the source host source the publicat merce in which source wave hosto are publicat merce in which source experition are an expirated to manifer your expect to heat beds source and non-contract to heat beds source and non-c

The Dense, of Piechmenn, a Health Spacer, carroped to relevant it to gen of of the used registry of the space (Scotto error of space) and to the Normaly, register water the user of Normaly, register water the user of the space of the space of the space error of the space of the space method and the space of the space interpret the space of the space the produced space of the space become space of the space of the space the produced product of the space the produced product of the space to produced the space of the space gipterial to carry every new excess watertim barvais take a concessite channel to take the draw water to incentration. Dennial Seans, negative renter as investigation of the Sam, Joseph renter and the seans of the Parmang and Seaturation Research we had addrawater to extend as we had addrawater to extend as who to addrawater to extend as who to addrawater to extend and planned at addrawater been over interce above an inconcreated the accordion in the seature as the concerned the accordion in the seature as the

Notitors the terreter one the burrows used in appoint the souther the waveleware works to Any impacts number to the terter appoint the souther the terreter of the souther the souther terreter the terreter terreter and the souther terreter the terreter issues for many contrasts that instrucgeter solves and south issues and the solvest index solves and comparison and potential terreter wave contrasts that instructions are well. Strategy interreter the souther solves and comparison and potential terreter well. Strategy interreter the solves potential terreter remeterment.

Ar a temporary solution, the "Kentensor tarms" are now soving free pollutod water moring it with fresh water and



instrie wediands may soon be washilarde

example, the langest field that allow the second se

Al least il milion sono of line western Sen Joarpan Valley wil need antifocal dismage. Thousants of acces are allocaty fasing an a peschola undergebrid lake Rebotaly loco laves di scienum hwe been sono allocate con suge beets and colte nased in these steps

Sensiti Johns, chammen of the Sam Jappan i Neet Bain Internation Committee parties and that no one is quite such have and selarating the entertaint in 1083 Selaration (Sama) the entertaint in 1083 Selaration (Sama) and Sama (Sama) 240 to 400 parts per plant of alignment to entertainty based to an animum to determine plants of plants and the selaration between the effects and all to have all known between the first and to have all known between the first and to have all known between the plants down to the concentrations of selaration.

There are no legal limits on the amount of agricultural pollutants that lammers are permitted to dump into California's twens. The Central Valley Regional Water Contraction (Mid) to

# ASLEEP IN THE COSMOS

# SPACE

By Steve Nedis

It the twol flight of the space invation Mission Control time is the current the Mission Control and the current the Mission Control and Alarma worn of the the controls and in reply one company externate. If there a sensith—the wring one—before going backs to alsoger. The next days the hald Mile memory of the exchange between Mission Control and Temmer 1

These two genry networknets in beginning a first on internets's instances and based as applications of the MAL and the second as applications of the MAL and the second as applications of the MAL and the second as a second as a second as a construction of the second as a second as a set able the second as a particular of the second as a second asecond as a second as a second as a sec performance of admic crews on everyally lighter creating may line backs, the tree shearky clearmarked sourced for when only created back and the source of the metemany part of the source of the source of the light to say week and source of the light to say week and source of the tree was been and source of the tree was been and source of the tree was been and source of the tree of the source of the source of the light to say week and the source of the tree of the source o

 In space this question of gating the right kind of sleep can be critical for drive reasons. There was shaked to schooluled to let a one perform at its optimal lines are not provid school optimal hour to seep an individual in space and it exmans is working at only held of his or hor peak etherwey, thin's \$50,000.

Crews can get by with desupted skeep for a week, the typical langth of a shuffer forth sweet Moone-Ecia "But on longer



Proclusice to depart. How much and time will future associates need on long space type?

duration flights a hoat of problems have yet to be addressed. And almost all of MASJAs research efforts have gone into engineering, hardware and other seature—odd very life into the reserces."

Trank Subman NASke chail of bornedsort readership administrations is no organization program hosting at chair consider a strategy protocology, and human moder of an encources to assist with strate the moder subtracts that with the match appropriate middle with the match appropries and subtracts that descriptions in stage.

The Cherrise Fulier a problemic of physilogy at the Livershy of California in Davie, has been from many adaptation that they tild no eakep as checky and were more aasky answerd white obain or in eagitiespress. Automatic as indeed teams freely in their spectrostitic team in mick bumping on thems in teams in mean they use in beep revined system. It deveres has been as a been want by the well.

There are questions about when to steep and wret will happen to the processing dynamic will happen to the processing dynamic and a harmon is meaned hard the normal 24 hour cycle of day and norms (25 hour cycle of day and every 05 minutes, constanting), in a some experience softwarm, in a some experience softwarm, days Should Her natural bacegoot clocks be allowed as with from Fault time?

Some answers have been suggested by the Sovietic expension is repain. The Russers are better varied in forgterm specified than we are. Then that space states, for deamals, was liurched into other in April 1011 Soviet mesons also last much longer than American missions, with the longest can to date upman party adjit models.

On some of the Soviet mapping a 21has been are optician. During a 21day masses on the space states Soviet and social social social social social social states of the shart 11 (House) states home, the light hends work had one cosmorast. If should have slaget all social a killer while but couldn't, compared another social social the

# THE TRUTH ABOUT PIRATES

# EXPLOR/ATIONS

By Bill Lawren

A life gance the Cape Cod whenever with is their darket or gener concrete life limit data is a kine in the limit data is a kine in the limit data is a limit data in the limit dat

For the past averal years foreker and the associates of Marrine Explosions inc., a powerky owned deleging correctly in Claritian. Wasselfund?s. have been analyzing the Whydia's contents, which analyzing the Whydia's contents, which analyze overpring from carrierons to runn bortise. As the assocrations do so a rich desteed of a more way supprang pactase of the under the shall and erreabander in erroury or "Most people is image of printee is that of semibarbanan cuttinoats who killed and married and gave no pushes, says Kraker "But our findings, slong with other issearch, may revise that image "

Pather than a going of bioostheety thereas kept in the by a typinmodal and oughtly bloostheety organism. Kir foor thinks the conversion of the Whysdah were part of an oggituation and democratics accessly whose members took great pams to avoid sheating their volume bood.

At this balanciad Methodisting who have been based to each outside hits in interact of the services. Society attribution is in interact density of the service attribution is in the density of the service attribution of the based on service attribution of the service density of the service attribution of the based on service attribution of the density of the service density of the densi

As a boy prowing up on Cape Coo



Soruliny of the bounty. An equal cancervision is chepping our way of price the 90 OMM

Cellford homself a biortecial inscription researches have been visual anomalised to a discription switch to it possibilities about the second structure of the second structure of central data and second structure of the second structure of the second structure of the second structure structure of the more your present fortune switch of more your present fortune switch of more your present structure switch of more your present structure switch of more your present structure switch of the Capac Code point of Well below and same structure is why an another part for Capac Code point of Well below and same structure is why an another part for Capac Code point of Well below and same structure is shreed. Belowing your

Encourage net is thit points in bits the account is the intervent that points in bits with a count is the intervent that points in the without is exceen it is marked to be account without is exceened to be account in the intervent that the account is the account is the intervent the account is the intervent that the account is the account is the intervent the account is the account is the account is the marked remains and the account is the marked remains and the account is the properties of the account is the account is the properties of the account is the account is the properties of the account is the account is the properties of the account is the account is the properties of the account is the account is the properties of the account is the account is the properties of the account is the account is the properties of the account is the account is the properties of the account is the account is the properties of the account is the account is the properties of the account is the account is the properties of the account is the account is the properties of the account is the account is the properties of the account is the account is the account is the properties of the account is the account is the account is the properties of the account is the account is the account is the proper

Calling a swelar finite to help analyze the strips antifacts to we avisual fixed an Califord a warehouse - tabolisty Kerkor in a boy shop. As he stored a welar here the to test, he pressive stored and the set par of hard carved heres sould have inereal press model to say of occuments and a part of carefully cleaned lead



# STARS

By Eleanor Smith

constrone to the Nineters a mbot spacecraft wil ense into orbit Mars On a preamanged command a helich robots called penetrators will transmit cuestion. Ord ancient Ma road on Mars?

McKny and Mancingh both work at NASAR test and Marcanoli as a microbiol bolo-

Scheduled to visit Mars sometime in the

channels accorently carved by water This say that there was proce liquid water on the surface of Mars, exchange McKey a bill

The volcanoas say that there was volcanic Watch out Mars Here come the penetralism

activity mutting out gases and presidely

in fact, early Mers resemblad warly 3 billion years ago ) During that period introgen, and carbon dioxide almorphism organisms Around the same time they

We know there was life on Earth then McKey news Because He was should happened on Mars during this penied?

In future measures. NAS/in conteclogists Marriers a 3.005-mile long retwork of convorsinear Mars, equition

In metain carence ' McKey sardare



there is sediment at the bottom. Gooloby lakes because of how smooth and field of it would have been in their water It

Not everyone thinks that looking for evidence of primorchal Ma on Mars is a cast and roled Mass export. Evrils Fait the the surface. The unlikely that by drilling

That's not to any we alwarded by Inmissions to Mars. McKay, Wharton and life on Mars. For expreptio. McKay and of life in seraise and ments on Mara

years ago that we don't know

On Mars, two Iterats of the plenet a bured somewhere beneath its crust DO

# CONTINUUM

# PHYSICS, HOLLYWOOD STYLE

For the rower Sker Maria a Lippon from the that of the eel Darth Water convex biorming at thermodous speed decely keeped the preseng, outmenned centril of Hen Spic and Lake Daywaker. But accrisitive partwhen all selence food. Hen manages to finite consuming control well a last-record eak of decely residee. Lake a target in a valee game, the black samighter exnolement that harmonical water.

Cut your newsrest Jack Weyland

Veglerin the law of conservation of momenta in 1 he tags with an 1 he tags with the tag and the second second second second and the coming of Hom and Luke, and 1 doubt that he incrimentaria of them means would be great encough to go tag and 1 for the tag and the program to the up to the proces would keep right on coming to other words if 2 Mar Wass concert for the great he do the tag and in other words if 2 Mar Wass concert for the great he do the tag and the streament of them come success.

Holyweed has had a loogh tine geting anything best upon knyward in fault as physical win teaches at 500%. Device School of Mines and Technology, has become anothing of a sportward ascentific option. Using the notes and have of chysics to grave becare fection devices that Lucas a series of value to the advection system and advection that Lucas a series with report of the machesi intylead accorden at fair to detransition acrosperd for immake intylead accorden at fair to detransition acrosperd for immake intylead accorden at fair to detransition acrosperd for immake intylead accorden at fair to detransition accordent accordent fair to the sport peaker with lake concrete at about chrosper

Figure later to Weyland Thema a plotty to worky about '800 miles thematical structure in a weylaw to accurate a Calve Week Builting Interview and a structure. The making lockies the sub-bent thematical structure is a structure in the sub-bent in the making of the sub-bent back to accurate the sub-bent interview interview back to accurate a structure in the sub-bent interview and the sub-bent back to accurate the weak welded to binamity by Alaser much the good gave energy CBK-Alase Kan Kandok Line the thread and the sub-bent accurate the light.

Then them a frait appendix is specificary i when Los Lane table of the root of a Metspohe experimes carly to be inscrued by our Keel with here, who catches her about the Toots down Bau roococco ages Weysland Haring almostly liken the lang cought by the Man of Steel would have spatished Loss pata as Male of street catality hit frait developed in Steel - s operations after all the original catality hit fraits developed in Steel - s operations after all the original catality hit fraits developed in Steel - s operations after all the original catality hit fraits developed in Steel - s operations after all the original catality hit fraits and steel and the operation of the steel the steel steel and the steel steel and the steel operation of the steel the steel steel steel steel and the steel steel the steel steel steel steel steel steel the steel steel steel steel steel the steel steel steel steel steel steel the steel steel steel steel steel steel steel the steel steel steel steel steel steel steel the steel steel steel steel steel steel steel steel the steel the steel ste and hard is hard. And incee penetrating X-ray syst? If Superments eyes are actually beaming X rays cut? Weyland works to know, then how can the results possibly get back to his Dram?"

At the analysis began when Wayland was still in obtained the was watching and there as forgetable was then when a study manner crusping in Arctic waters is audiently ongoined by huge or drume that had augposed to base of an independing leftman way and applicable to the entit mine consider these and atminis years, "the floats" loss hears" "The generic gat such a big bugh. Aminand auxy, "that is to be mise a fielder of theorem."

This engoavered, Weyland vert on to make avatement advances of scores of R and advances. This way My Sol Svort In the says, whom I all them were going to seril a dozen movine, and spend the whole day workfing them. Here worked up a facture complete whole advances that inits used to guidance advances and spend to the series of the American Physical Box my to an advances that of micror exclusion (avertice director) for the advances and a micror exclusion (avertice director) for an advances that of micror exclusion (avertice director) (fig.

We yiew time have accorded the heat of Weyton's blocks in the excelse a James Bond move for women's in which one of the characters is tolled by tailing this an open val of liquid helium. The normal sus, is stored at lour degrees above absolute cere, and it is wry determine it you had a wuld it, you certainly wouldn't takes it open to the atmosphere because it would wovergree in other bits.

Despine the discovery marks invalued down hank score concents and points Sar The (in oracide, ecocycle televity, why this remetive ball lattice and the low real "PN in orbitancy heads" and the second second second second second heads and the second second second second second points and the second second second second second terms delivers in the licent the point water prime of the second second second second second second second terms delivers and second second second second second constructions and the second second second second second terms the second second

In the end, in fact Weyland remains a continned like of the 3trice, in towe George Lucation freeway. The same some of them tim times (Lucation by the way, infuess to comment on Weyland) or creatives (1 And endary) The consolution, 1 don't winit any of them to be more take to Mic Little's hall (They were, they'd be werefully call, "LaV J (AMPY).

## CONTINUUM

### BLACKBOARD SCREECH

Even worlder wirt ahnob weisjons thereis all her lowed of all ingermalitiesterig accepted accepted tablesterig accepted accepted accepted and accepted accep

Maps their reacty pascer/ of pagine isognitude plughthoops, Pandblorn Black react to the securit of the postnets or it blockboard by comprig and feeling uncomfortabler. The automatic atmost vie cests reactions to this sound method as wonder whether it method as wonder whether it method as wonder whether it to assist the react address or sound Bohe and collespus D. Lyon Higgsin and collespus D. Lyon Bayes and collespus D. Lyon Bayes to device an accusion



penden reke seru us state

Voceprint of this sound of a garden rake being dragged across a pace of satistiv a sound that Blake cells reconsiscally including ushabar from blackboard screech

When they compared that weapprint with a specificyoarn of welkening crime security by macaque morkeys, the two sounds bore a very close resemblations the neteorithms report "Cur Indregis" Blake apps "sugged bor bahavior is an internet we finished from our primare provide the transition of interviewing at topporte is him of highling backet.

### MEN WHO DO

You'd like him to ask you cut and you ve been einding all the right signals, but he remains which hopeleady oblivious to you or painfully shy. What to do?

"Use arreade and sold." advises psychologist Charlene Mucharhant of Taxias ASM Doversity. "Mon will overwhetmorph say yes if they're athlacted."

Mathemater and end her comeasuration seeks. Sciencification played videotopos of convessiblinos between a young man and wernan to 302 college mases that the time also advect and to go to a move, half her time also doing their indigence was also vined. "The woman who asked for a doino sory asked for a doino was india, wome, and isas solide than the younger who doin not ask for a doino Men were was uncompare



Stours a woman make the trut mover was resident indicates will now any a specially if the woman is smart.

Une ableccippo romains however. The womain who asked was seen as more security active. But the effect is ocurtained when she is alloo seen as intelligent." In fact, women need never hote their intelligence. "The intelligent woman was cased as more Mabbe kind, and

Pie woman the men proferred despite clarms that intelligent women claftate a man's ego

By behaving intelligently, a woman seems able to read the advantages of being able to ask a men for a dato without the desolventages of his thriving she wants sex more than she really does " Nuchierhand area

God medie everything out of othing but the rothingnoss hows through ......Paul Valence

Growth for the salke of growth is the ideology of me cencer cell."

-LOWING ADDRY

### DEATH BY INSOMNIA

It was that most ignerations as we choose is of measurements as we to appear in a medical purmet-or anywhere also for that matter it was the story or a motion apped industrial memapion who is addonty ongan to keep also addonty onexercisions allogs, whose ever-submemigration in that ment and also of solar to a year in a state of solar is a memory.

By the tred month of the streams the potent could streng bar only one hour a regint and even this pattery amount of stores were de lated by which the stream the mode hen uses how the bed and gave a metery solution the stream symptome includes important, and solution that amount into accurate infection that backs and be contributed by ambeing

The patient level and does in itsly wheth experilevels in the patient of body and a University of Bodygess But he term was subpared by meanspathcase of Berlag Gambard of Case Western here the submit of Case Western here th

The doctors learned of four relatives who was similarly allocated by issonnia. One were a west whole slidopland brain showed she had ap perently check of the same intervier materia.

On the weight of the eve



EVEN RECOVERING the DRE OWNER of INVERTIGATION

clance: Dambets and the other dopped below they have exercited a kald familial matrix assessing to dopped eration of the invience. The next step of the invience. The next step is the invience is to establish the identity of the deexase and to ninite 4—as wall as the group no completion to establish the cello

Manfried L. Karnovsky of Herveral Medical School asad that this heratable condition might Hody contribute to a batter understanding of normal sales. The thatamus s long idaptiled role in sleep, for example, science on the verge of dar/footion.

-Own Sober

### RECYCLED BLOOD

Despite assummers that sephelicitied seriening tests have made the nation's blood supplies safer than ever starry suggry patients still work about contracting ADS and other infections from blood hand usions. But near blood hand usions. But boing implemented in several mapphate addess the country is helping to eliminate those lears — at least among heart support classifies

Called the Gardossmy mean van schead dharhage syslett. The automorphism method modevant is paper's over blood during geopery and when postopernike bleeding decum and than recycles it back Kto his or her body

Despensive laborershift for your device German of hymacon activate Weeksgeler in 1007. The device galar to device the the second of the device of the second second device of the d who oversees the processure

Recording Lones tod cooldatory reference ched damage watern gravby recludos conjunctions and lange and the second second lange of the second second second lange of the second second second lange of the second second second second lange of the second second

Although its preservy bands used only following hears surgery. Hell bays the encession is approximaic other dhest operators in what there is bloeding with the thousas carry. The basis as structure part of the basis full the alcoheren is different basis and must sum base offere the basis and must sum there offere the basis and must sum there offere the basis and must be addrement bases year.

-STYNEY BEPAR



A new place interfamm provide elements whe worry income ALD 2 and other effections during a part with sizen blood bank to new

# CONTINUUM





Usen 100 such problems were internified. These averafield clearly assue away Wourt in to horized industry.<sup>10</sup> Thory on ref noised if dipastry thory on ref noised if dipastry thory on ref noises station Centre other hand, if the second based station may not be based south based with more the appace diation may not be to become

For instance, one of the incise manadim the study is incise that study is study in incise that studie is very incise to studie is a study in incise will be acceptibilite to the space station is now who will be in orbit to 100 days at a short? The quastion has with to be arrowed.

Level in the description of the owner when course should be owner. When course should be the should be an additional of the matching at the destruction of the matching at the should be change on the should be the should be additional change on the description of the should be the should be the should be additional to the should be be added to the should be be added to the should be the should be the should be additional to the should be added to the should be the

No one expects to have the answers to these questions any the asserties that and brief and the second sector compares that will design the operas atricts, asyst Mount. And show this years another NARA's addy will set define noise. type and ones standards for the entry minimum approximation.

-Dovera Hin



Af the processors damp desired solution and sound postparade sets reveals reading a very interview grades damped for what adduct minimum amplitudes assessing yes yes as double transitioner and walk applie?

### IRUNKEN PEANUT:

A Department of Agno.d. we cheven the as cleared a sort of activity had for points: a huge ceah corp. issues the Georgier Automin and Norm Carolina that cean and Norm Carolina that cean and Norm Carolina that cean and Norm Carolina that ceah of the Corolina that ceah of the Corolina that ceah of the Corolina that and the Corolina that and the Corolina that and the Corolina that and the Corolina that the Corolina

For some reason, their cell structure changes and they begin to ferment at temperatures above nimetylive or below thirty-two degrees Hamernet, says Heroid E. Pather a necesschur at the governments agricul Jural research station at North Caroling State Larverschur Balasch

Before Patter used a chole sonsor that works like a smoke detector to entit cat alcohot vipore, micrulia: tants had to rely on tasse regioamperses an in the motor of a sense director on Patter desorder.

Patters hopes eventually to have his invention which safe for \$725 instatled in all 2 000 pearut-buying stations of the market.

- Garana Montan



Peecuts have a poblishy procitim when too hol or cold

# CONTINUUM





such as early menopause, early odeoporose increased cardiovaticular disease, and loss of sexual function \*

She calls he technique inview negostactive surgery and locuph her patients open ferm all tar ways es Ausside, she admiss that here is nu uphil barlie because the medical patient and been taught for years that been taught for hereal unrens to carrens, aspecially at women over thety, her carrent the targer.

### LUNAR CONCRETE

Will the shreets of America one day be paved with made on the moon concreat? It's possible new that an Binos nosearcher has made concrete out of 40 gams of lange sol

T. D. Lis., the prenopel research engineer for Conelection Biotrolicy Labora Stress Inc., Stress Inc., Stress Stress Inc.,

Results? The earnoles hald up will in strength tests—in fact, they proved to be comparable to highquality concents made on Earth. That may be due to the fact that unkile some senthlocurd aggregate control aggregate contendance aggregate contendance aggregate conPlus, the luner soil bondled

Additional other interpretations Because in a faile theorem cally possible to produce water from turner soil, in lastesees the day when concrete well be made on the moon this met also, token and medicine and second the enterpret of the powder that, on Earth, as made from whos and medicine) from whos and medicine) from whos and medicine) from whos

"Space isn't remote at all it's only an hour a drive away if your car could go sharght speards '

-Set Freid Physik

"The obsetal a perion ever corosis to particition is when they bill out a job application form "

-Stanky J Randal

"No rece can prosper well it learns that there is as much signify as bling the field as in writing a poem

-Booker T Washington | mark, says Cornel



An exponential new

rightsom is all mail feed volds promise of changing he way lambs and beet sattle grow—making ther meat more plentiful and much lower in fat

The details supplement, called emailemit could dissuit cally increase the efficiency of meat production and satisfy the converge of health-conscious Americans for two-let loods.

In opportunity at Control University a close of control (about 1 cause for every 100 COD purpose) of standard feed in the clot of lands free bodies by 30 to 56 parteref and increased the annotation muscle by 30 to 30 percent. What's more the annotation emersion the abity and 60 not grow any larger then normal

"We've set a new bench nerk: says Corneli an mail



ioneouy concrete may be reade on the moon concern muce with farm not proved as shong as any concrete reads on Parth



Now sheep are reducing they fail and putting on muscle

scientest Donaid H. theer mane, who conducted the experiments. "Genetic selection chaht move us the selectoward improving ethicsnoy and composition."

Indeed Jeanmann enwhich market inclues the breaching of annuals the continue demand ubuscherstes a sometimes ubuscherstes a sometimes ubuscherstes annuel and and only Severalises to transfer and only Severalises to transfer and any accession to the ready social source to the method variable and to be another to the source of the method variable and the another of the source of the part of the source of the part of the source of the part of the source of the

Consterrol, howevel, seems is have any elemporary affect on the animals heart rates and related functions. It was demixed from a group of substances related to adharatione and developed is a detary supplement by American Oyanamid Company – Chan Sobel

# CONTINUUM

### CHOCOLATE ROBOT

A choolaide decorating upon has needed patient appropriate the second patient appropriate the second patient pains developing a mostimer pains developing a mostimer approgram case that can decoable as many as 60 periods of choolaide patient minute and may all decents accomyte balk on them was that head opering to the

The one-armed robotic system was developed for Oran Haansel Masthine Company, her lay A J Cronshwe arrong others at PA Technology in Cambridge England. The tolot is cape the direcognizing and discosting meshapen checoister abunktoppither at will as contrago mishapen of the paces at the barrie of the pacease at the barrie of the metadater

The system according to Construct order that is a TV monter hooled into a memory taken that is a perimad to the needs of hexeinst closes nummers perimad to the needs of hexeinst closes nummers perimad to the needs of hexeinst closes nummers and over nother that and over nother that above any in a bistorement evel enduarity. Says the Englishman

It would be need to have but difficult to partify counters one American memulastance, referring to a priositing for the nobot thist is to far a clearly guiletaid secret in a closerhouthed inclustry. Some S150 (000 per amine a spand learnable with any producer worth his needs thing needing some



DE20 controlses Advantage should you be able to predict by chance alone? Reporte believers oddly intough and 79

Ion machines. It all depends on pooduction revels. Many missi manufacturors use entopers and etvel-incided perces that would not lond themsolves to rotocos

Says sam brock, revenue man in Tacrofol We are along to morrey people in the United Status In the Charged Status In the Charged Status Intera robot, they need a macharged system. So for the phootate robot is now welling used only in Europei

- George Notice

in almosing the patient while resize cures the basesso '

### PSYCHOKINESIS: JUST BAD MATH?

People who bolieve in the paranomial are proketoly not rule just a little ruley in the math department

Attent had ing that meet people balaxies in paraphychallage, psychologists from troppare and sunan Black mare of the University of Bradd set out to decouver why They bagin by saking 100 medical students queetions about probability.

The belowers performed tarily badly "Topcarleo says: They were more likely to below. for example, that a con would be based if a came up heads inner cut of four times, or that if a coin came up heads four times in a row the next time it would probably come up tails

To see how the believes and elegates would haatly do not a can take the network of one apped a computer to interve at typing can that would randomly stap on heads or take when the subsects particul is batton. They were take when to try for heads or take

The believers were only wood they were 'consoling' the computer When sates? how many of the 20 (coses they would have goldan by drance along the senger response was 70 wither han 10 the company answers usually differed. It poster have here would be gotting oght right by chemes, and here gis they would be gotting oght right by chemes. Indihere is the sensitivity gotting lenger. They would be gotting owner "theosistic beside to gote "the cost and the gotting lenger." The sensitivity gotting lenger."

No person should be derived equal rights because of the shape of her skin Det Pervleen

"Drop the quastron what tensivow may bring, and count as profit every day that Files allows you."

-100300

The joy of lengt, its beauty s all bound up in the fact hat the can surprise you" \_\_\_\_\_Found History



# ARTICLE A NIGHT AT THE MOVIES

You're invited to a private screening of Hollywood's greatest minds. Come as you are

BY MARION LONG

el Brooks, Richard Attenorough, Michael Douglas, Susan Seidelman, Javid Lynch, John Savles, onenished film closettes of this century. You know that already You are however, probably wonis the result of a unique project in eclong rooms, on sets, and in they would ike to do in the luture

titles, plots, stars, and comments movie you're about to see or to So race sheed to the next can- sio a metabolically balanced tury, say the year 2001 It's a cool beverage in a high-tech café evening in early June, and you're. Maybe you'll stop at a refreshgoing to the Metropolis Deco-Plex for a pipt of entertainment Recause you'l be able to choose many movies at one complex, robots prepared to describe each vecetable shah kababa the time period, the cast, and the -ture presentations, showcaturio cow will welcome you. Peakures never directors from the latter half will be presented on humispherio of the twenketh century, are about screens in Dolby Showscan, and I lo begin Get your popcorn, selprotocoluction labities around most theaters will be ecuapted the back and on us on File vovvide us with treatments of films the movie of your choice, you'll, unhappy with the limit ending browsi through the shops, per- and wall to redirect it, interactive baos to nick up a script of the - video versions are available )

ment stand and sample the nth variety of snacks, including 25 flavora of popcorn, Mars bars (direct from the red planet), and

PHOTOGRAPH BY ELLE SCHUSTER

### THEATER ONE

A David Lynch Film Panne Rockel Starring Harry Dean Stanton, Brad Dourf John Narica, Dean Stackwell, Isabela Rossel In

Music Angelo Bechsterreith

Creanidographiar Frecida Francis (The Elephant Man Dune The French Lissu tenant's Woman)

Sound angeneer Allen Spiel (The Bleck Station Frasenbrad)

Genre Atsushal correcty

Type: That's for you to suckee

setting Histoken. New Jersey asmall industrial town retaining much of its twentieth-century flavor. The atmosphase is very dark. The film was sholl mostly at neht

Springers in this time-not correctly about electricity, the main character, Romes Rocket, has 60-pyte alternating current running through his body. Romes about these and a half feet both with bis of privaical problems, though nobody's pute surof their cause her wants a red wigh in a pompatour style mothes surte. His Galsomewhere between scotten and both

The film is set in two clark industrial worlds it's up to you to diroctle which is real and which simit Lynch contrasts this shoe of life drama with sumsal images and bigene mutations. Cinematographic Francis and/e filed transitioning/territie sense of the natural work!

Lytch Devians I town things that are about They are very real to me. This is a vertice to consum and in this tablanch, and I don't think it's going to change. If there is one artist that I beel could be my bunklinits many Kuba. I token to put his story. The Metamorphosis' in screen. His tabnes involve suseai verifis, and I have the constructive sure of the mail and sure the

Wean making a tim, you hare to bu hare to your clear bunkas filey ato boger hanyou ato. Dino you gir inselem dise, once you so they not that work, you deposer in usian 'You had better tolow then, a tiha automovel il now you'r co berg honesit. Are followed that you'r co berg honesit. Are followed that you or datacting deas. Bul you mait go male datacting deas. Bul you mait go male datacting deas. Bul you mait go male have well as garage to hanglen. The that have been and a garage to hanglen. The main have been that a garage to hanglen. The main main that and that well on you go the first.

There are lines I feel I would like to cross over scruetime in the nist offfary, over if only to say what would happen. Forme such a knew wolf the works committy. And altrough i really like people—I like what they think about and what they worry about—I wouldn't mind making a film about sheep. Id have to meet a lot more of them shough.

What in drawing right row I wort to include in this film. Im Meetershift in this method, and the film is more start of parts parts which is knot of operate but operations and appensis perfectly. If want to contain any start which is knot of which conter creations and which conter creations and contain any operation of leavers and leavers and appensished by I want to the contain any operations. The leavers any appensished in the contain any operations from any well build any the clearers.

Ormal How will you use apacial effects in the film?

Lightin Liegmed hern working on Duas har water at door in freet of the camera a model mem successful opciety. Hern with the provide the final memory of the successful and the ather work were often instanting and the ather work work of neural inversement. How you want a neural inversement in participation and like the generative theories and a falsa like the generative theories and a falsa like the generative camera the like theory thing potent increase and like theory thing potent increase and like theory thing potent increase and like theory like the second open theories and like theory like theory of the theory.



denotes .

### DISCAR 2001

It a Match 9: 2001 and the world average the asystem that anstal Academy Average hoated by Stanley Rubrick. The peok-long estimater was been detered and the Bondity Chantiller Pavilon

Biseleting all tradition. Once has dispect explore permission fructirition Washington to annuate environ. Annual second provide the environment of the second second second performance and the interferourced applications and interferourced applications and interfero and and in

Soveral new categories will be anvoerspel litte unit instattes base



No all 10

performance or an other in a Meatren yet been and tweeten try a computer, and besit holography. The Jebbros. In description waves in the Sant all-Earth in description waves in the Sant all-Earth occupation will receive the proves a waived for set ethological technic model. The waved for beat bitting to decigate will go to Savetite Balance for Hooky AV. Pooky Fightor

In a starting departure Forn scadomy long, Sally Field, declared Bris year's pasi-actress award in advance salying. 1 don't like you anymore "

In a sourceing make levery Oscie winner doed on elver will manch onistage and ong "There's No Supress Like Show Buieness" ted by an relectoriu: Plan Merrinan

They wear's norminating for Each Men Instante Revealer Rocket, Exold Men Cha STATE CONTACT

a11.

Wyper Malazer Hachart VY She Stoope, to Conquer Thomes Parker and Norther Doodle Sweethold?

Elepides crists file/http://transverg begradetty.deciding.bars, Marry Mifight Jayne Davermod The Elepidet Andre Dave Bas Mitten Attractory of A strage To Ball Bastis, A Davis Line Strage To Ball Bastis, A Davis Line Strage To Ball Bastis, A Davis Martines Research Research Bastis Andre Mitten Strage To Bastis Davis Martines The Hotocher Bastis Davis Martines The Hotocher Bastis Davis Martines Cover for Operating practices Over To Operate Skies The Enteras a panter 1d make up sounds in my powerful than most people realize it is worked against the reserved feeling of

electronic, too cloan and plastic, it outris die with the latest machines. Tim not sawto achieve an artistic shape that remains really will want the expensione. If I know

Settings: Chicago and Cincinnati econtrol neurolis from namblets and cotte, "Shoeless" Joe Jackson, Chick

the world of 1919 in as highly sophist-

caled a matter as possible, converte skill and ability it takes to play basebell ers-to get deeply into their psychology yeav difficult to accormish. Lust have to

gets faster, right scince should be playchologically more like the way we percouple of process shots i d love to pet in for the radio autience. At the log of the World Senes game-a basebell dialong poles would hear the ticker-tape repart of sev, somebody reaching first board culout of the player to first and

the game, looking up at the board

Seven What interests me about the future is not the future itself or the technollest fifty to one hullded years especially

There aren't any particular modes of siders and outsiders, in different pultures and subcultures and in their interaction

termine whether alternative, non-Holywood movies get made are distribution around the country Because the movies

seast the next report. Thousands upon that happened very very racidly down, movies could become like the publishing industry of ten years ago, not today That is you'l be able to make a

A Susan Seatelman Film Yankee Doc-

Stamva Maniyn Monroe Bobert De Nro. Debra Winder Jimmy Streat

Setting Wer-tom Central America mocence and neivete stands Debra story-her pomino-of-avareness Robcruit, played by a computer-simulated

Sectement Saws What compare the revarious him genres and see them through

In a way I guess I m a sociologist I m interested in patterns of behavior and difthe Seventies already are seen nostalgocally I see people who are just ten yrons are totally different from the wey I www.it One: How we has tim drive born other Sedelman There will be more detail in

Get the flavor of these leading brands, but less tar. Breaka to Merit.

Kings & mg "line," 0.5 mg moders in per organistic, FTC Record Feb '85

SUBGEON GENERAL'S WARNING- Smoking By Pregnant Women May Result in Fetal Injury, Premature Birth, And Low Birth Weight

Comparisons barred on long-size version of products shown

Breakaway to flavor. MERT MERT

fact, institute a greater attention to defail in films decided by women. I don't know if it is a selectory or onto built it's said head when mon do a politive shoul wir, they politive if whit severating attaless. I leads built at the several sector at the several time details say through langer than themsolves or nervenent sector things.

Catalog also is roky important to printing, the colors you chose delitiment the outcome is addet to work with actors who have something in otherating about them as people, something that its persons to come through in the character the character. If we also fit the actor's persons to come through in the character the character. If we also detune the actors person to come through in the character the character. If we also detune the actors person to come through in the character the character. If we also detune the actor person to come through a prevent tice and an internating personality the to survey with their something.

Onny: How do technological breakthoughs fit in with your ganeral philosophy of irinmeking?

Sectionary, One of the trings that excites me must about the idea of making time in the future is the channel is use load notagy to reach the humanity of the chanactees. Io make the channel to the tereording, rather this samply using technology for technical thori--to ention a channel to opage on inser light In the move Msking &/ Aght, John Malkowsch plage two different characters and psychologically meeting. I didn't want the first lock like 776 Pdfty Dule Show, with the actor smultaneously any parring on bolis issue of this series and a pole running down the maldle to hide the matteries.

I tailed motion-controlled cameras, computer-controlled cameras, and compoint image processing to toing the hea characteristic term of the term of the characteristic of the term of the term autos the can do moving shads with an actor and heave the some oation in the trans terce with the camera moving at the same time.

Im rowly inscribed by some of the terringsion is ease used in most vision or in 1V stows like fire likes a Reytown Strangby encoded, these tachmause servic barry used in film. When it their back, how it could use new experiment to robate the story or make this character more behaviour to enderful adds open up also remerches which that herein any and the remerches which them herein and here it was an enderful adds open at the low of the individual story and the add herein the story or make the source of the story of the story and the add herein the story of the wave more and and the story only work. **Own:** Is it becoming harder for directors to experiment?

Seidelman. in Hollywood today you're only as good as your last movie. People they move on to whoever is the "favor of Thet's okay Hopefully, you've grown, all much experimentation. There is a cultural measurity caused by so much rapid change Directors and actors don't want to deappoint their audiences. And films are very expensive to make. The videodustry and we must adjust to the fact that people are saving "i" wait until that movie sons. Ithink I have to see on a big screen. City Music Hall or a Ziegfeld theater is place to see shows spectacies As for what is alread. I know my likne will be bed abon I also would like to have my own of the cost of himmelong. To have control

# SISKEL ON EBERT-EBERT ON SISKEL

Cores: After dayloa hope things from movies in the new certary Roger Elect: Cruster resolution Gene Elect: Cruster resolution Blert: Crust territudes Blert: Crust territudes

Bench, Hong Jeanszum, The generating with the second second second second second registration of the forwards of the forwards registration of the forwards of the forwards registration of the forwards of the forwards the second second second second second second the second second second second second second restration of the second second second second restration of the second second second restration of the second second second second second restration of the second second second second second second restration of the second second second second second second second restration of the second s

The Discrimination of the period product with Mattine Scannasis Aver Drivet The crisical fulficient was always, which draw big, register, and young baserheles the pharmonyton was landcoord helfs the state which these beginning in the memory of 2007 Scattering the relation with with insection if thirth walk which outer to visible the control of the one-family find works used if the outer the one-family find minute on the mark at the box official fit regimes on the mark with the studies for a years and the outer with the studies to a years and the state.

A construction of a proper time of the property of the propert

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# THE VISITATION AND OTHER DIVINE ENCOUNTERS

Nine fantasists unleash their ' imaginations to explore the mysterious nature of God and the effects of our religious beliefs

> arrived in Rebecca Sandia's backvard, under a blossoming almond tree, in the early hours of Easter morning. She watched it appear as she sipped tea on her back porch. Because of the peace radiating from the three imagesa lion, a lamb, and a doveshe did not feel alarm or even much concern. She was not an overity reliaious person, but she experienced considerable relief at having a major question---the constance of a God answered in the affirmative. The Trinity approached her table on hooves, paws, and winos;

PAINTING BY ERNST FUCHS



and this, she knew, expressed the ultimate assurance and humility of God-Bat He should not recurre her to separatch him

"Good merring" site said. The lamb ruzside her leg affectionately. Yen espocelly segnificant merring lor you is it ref?" The lamb bleated and spun its sail. "I em so pleased you have chosen me. though I wonder wity.

The lion spoke with a voice like a typhoen contined in a barrel

"Once each year on this case we reveal the Craft of Goldhesit to a selected harmon Seldion are the humans chosen hom My foreal house of washing for I have found them almost university unable to compenhend the Mystery. They have preconceived ideas and campt reveal the blinds from their eves.

Hebeco Senda fait a brail fisson then, but the dove rubbed its breast feethers ogaris het hand where it lay chilter table There never bean a arong believer "she and. "Rough I have always hed tages."

That is why you were chosen. The down sarg, its vector is cultert is a formmer to evening brease. The land is a former to whit glaceness wanching is for the remembased is heat gone through hand it was not inno area.

These assists are fining of twy creations in the dense. The twice mail: "hot or none is were in tend some individual capabilities of under shording the Meetery. Takin's year: I have chosen the most likely individual and aix year i have chosen concerty and barri found where there chosen concerty and barri found outside the advanced the weat found the contenting and advanced the workflow continual And to it will be und My creation in United."

"But I am a sciential." Rebecca said, concerned by the lions words. T am encharted by the overlan more than the Cost. Lam burged in the world and not the spirit."

"There span the world out of My spint," the down samp. Each particle is as one of my feathers, each event a note in my sono."

"Then I am pyful' Rebecca said "for that I understand Thave often thought of you as a scientist, performing expanments."

Then you do not understand." The konsaid. For I seek not to comprehend My preation but to know MySet

Then is it wrong for me to be a screeint? Rebecos asked Should libe a prost or a theotograp. To help You unkendand hourself?

No. for I have made your lend is so many minute that you may see each other, and there are no finer minute that scientifies and there are no finer and bright. Private and theologisms is I have said, shroud their brightness with mists for here own control and some of well bring.

Then I am sail concerned. Rebecca and for iwould like the world builtmately be land and numbering. Though as a sciontast i see that it is not that it is cruel and hearb and demanding. "I don't understand, " Rebecca said abyeing

'Among My names are disease and deaster and My hard less on every pockmark and blach and boil and My limbs move beneath every humcone and earthquike 'Mityou all seek to love Me Da you not comprehend?"

No. Rebecca and her frice pain for the world's particles seemed to lose some of their stability of that moment. How can it be that You love us?

"If had mode all things confertable and sweet, then you would not be driven to examine Mir and Introd My motives. You would dence and sing and withdraw into your pleasures."

"Then I understand." Rebecca said. "For it is the work of a scientist to know the workd and control it, and we are often driven by

The kon roarod, consuming the lamb, leaving only a spleash of blood steaming on the ground. Rebecca leaped from her chair and held out her hands to lend of the prowhing beast.

the urge to prevent meety. Through due knowledge we see 'tou more clearly.

Then I can love You and shareh You.

"Then I can love You and chersin You, knowing that utimately You are concerned for us."

The world swayed and Pebeoce was sore afried for the peece of the lamb has laded, and the long gowed red as loads. When any unicest to "the long alked ds vece deeptin than thandar, "your effer mas or your lovers? When do you sorus new more thoroughly?

Rebecca thought of her enames and her lovers and she was not sure

Th hort of your enemies you are always watchtal and with your lovers you may relow and close your rever.

Then Lindenfand, Peberca and For this might be a kind of war and after the wer is one, we may come logistion former energies and calabrate the peace-

The sky became black as ink. The blos soms of the almond live tell, and she use, when the branches, that the almonds would be biller this were

"In page the former otherwise would

close their eyes," the ion said. "and sloep together peacefully."

Then we intellible chemics leterated Tori I am scelous God I am costour of your eyes and your ears which I gave you that you mght avoid the agomest van you way and hoote that you much alimport you in mis work?

"Then Lundsstand" Robecca sad featuly, her voice breeking "Itst all our lives werner fight aparet you, and but when we die?"

The lamb scampened about the yead tout the lam reached out with a paw and laid the lamb out on the gross with its back broken. "The air the Mystery." The light named consuming the lamb leaving only a splash of blood stearing on the ground.

Reserves leagent from her chair, hornfed and held out her hands to tend of the prowing best in universitient of the screamed. Now are a selfen Goot and her, creation is a by four cent mangle at with four do not lowe, you do not care, you are cold and provid.

The lion sat to lick its chops. And? it saked menadrophy

Rebeccars face flucted She fet a sudden anger. Then I am better filan You she said quety for I can love and hell compassion. How wong we have been to send our provers to You?

And?' the lion asked with a prowi-

These is much we can teach You? she said. For You do not know how to low or respect Your constion, or Yourfield? You are a wild beast and it is our job to fame You and team You.

Such damperous knowledge," the lansed The dave lended arrors the test of termine. Calor, Meril you can the blow same For an instant the Threly sheet as symbolic borns and tweated to like blina thing beyond upness or beauty a void cycle thing. I no humanity wheteover calk and hamby young—and the such educed Rebrox to hysterior

Then the Trinky variations and the world continued for another year

### HIDE AND SEEK

If that been a long, demanding look, For, a whele decode he had never with the tbarrywhese he worked filing up one page after another poing them to renearing them in few merths later slawly crisiting a doctaval unreached in all volvage. Primawy they had been implit volvage. Primawy been of the outpit net of the outpit of the outpit the they had been in the outpit of the outpit of the outpit net of the outpit of the outpit of the outpit net of the outpit of the outpit of the outpit net of the outpit of the outpit of the outpit net of the outpit of the outpit of the outpit of the outpit net of the outpit of the o

He had had to take every factor rilo or count, baild an asset thereatesi model of the cosmos combine a million coordinates he from into boy bundles, set light to them and weam their tables. But nownow he knew the ultimate equation, he was about a thousand pages. He toled for the supreme achievement of the human spot he repaired for and line fordly shaped the final symbol, scrawled a dash across the bottom of the page and won cleved whether to add the EAD in capitals

magestic overwheiming resouncing from

broaccest the program Watching it at eight mendatory so it always had a one-hun-worship works simply werit off the air for that hour Street Tavern Recoing his cloovs in and perfunctorily applications in anyone he mosted that he take his slool. Tillery mut-

churchoots but in the three years the Deate the regivereding aspects of weekly

They score he beet nove the erk a atians that shut him down as effectively as

perently, by a summer of reruns), every caped a life sentence for soxually bruial

of God mindlessly imbibing Glory No one induce or by any other means reproduce.

knew exactly what these metates con- . Hour while soll a prisoner He had been shown a vecon of hel-a hel unquely that regretably, was allogether unlorget table. And he had never mosed an epthe hell revealed to them during their test mabahavar

God is feen thought Tillery syntaxically.

while Wheneversen the ad for a Nova was

crime had variabled formman had halted Seng shi permited scorderits natural



CORANDER SEEDS FROM MORDOOD to a million A million years. It at is

From La Lor du Telion (Éditions Lation), ish version copyright @ 1978. 1985 Brunner Fact & Fiction I tri

fillery always clopped in at the Twelfth

screen mounted like an oversize mator be-

diches than wetch recst of the partiage this program I mean. I out and out love if 1 wouldn't mas it for five monts in a Holy-

Well, there's that, ' the burly man admitsames of the Detry had chosen CES to refreshed, you know As a kid, I wears a of hypropedapopula vapueness Dunna

lered even his old antisocial tendencies Filery was ded to be out, he watched straight and narrow---bul unlike the meetbeed next to him, he hated the Thursday. program all that you could recall of it was tie clercy who passed their collection

NAME LANGET FROMANON & LANGER BELEFRONDER & CONSUMERTICAN COOPEN & LANGER FROM PERCENTRAL FROM PARTY & LODGE FROM ADDOR

a scare hierate okw filed he lavin blanked out and Tillery-receiping the inbioper then usual Thursday moht crowd and an appropriate of his mind fourthlike

cause God two no web to derest the relation of quie overgoing by the mother of poer interses just on the whole. He nerro had did all the shifs around him submit so docmight have to park your herne on a stool to watch it but who but God said you had to sumender even your last deep down

manes lipping him from the score of Why man straidly in esteem over the past three

Ads for hot dogs and choosecoke pund cast and Tillery used the Sata Lee spot to made such a big deal of okferring to him recoment. Tillery crauted his beer and that he was able to solash the unital and asked for another as the turkeys around get back to his stool before CBS signaled ther leas appsed And then it was over inavi-m) a show about hard-bolist cons. why same away from the scener with to on A rory citry withward him but his

the shoulder Say, lette (m sorry roally

When threats show creat? the ark

casses dwarfs, and elves, and the fun-

The last hero is twisted at an impossible

Peops of their faithful dwarf comparison reach me or do no have with the nether. WORDON?

have coarted him a few maments more that . He ployed with the sweat of his coartions.

Vis Bactor he asswer weeky from Why do I still lyn? he sake

He does not assoond so I good him fur-Ever. And your bern ... For Ernachtens of caucht me a provi pre acteur. In shoul

"The Exception on the far Long. But

"Harmor a redestert old man profitel man

a hot form the boardes. The muscles of

maren rather than the strength of my body. Werk it was Gloven and Dammenuto who , of a puck death to he somewhat mer-

"Alas near Enc could not best an act

"No, nor any other I have encountered sonard us "

"Of the basken weepons that I see on Circing the liter I many see where our

"But I see only rate hits arred the run."

Leadand my clines and roar to strike here.

"How one yes say that when you are the

"I have no weakingso within"

billity as the price of a quick death Just tail the heroes have failent

did 1 stop him, and it took all of my dark me of the weekness that you see " ound " he replies

The row that I may contact mused accepted

The rescient old men has the audiony

"I will full your," he says "land you will did Listerno my loot and mar

"Lower? I ower? Your months as backets at

My locobler more about the case as 1 After a tena I get to the restriction and prof. beren mutoting on # Refer tough Mail.

of the world, orders that evening wearing "You led," he continues, "when you said this defied perment of Light 20 admine my full warrierful area will never and that the work to concentrate mo on agent well shert He care me a curringly wavante transment of rold with my none economic upon 6. to neward my fathful services

rame of the weapons of Light when all of

evening. "The other is up that side compor-That have made a different entrance than

This one is whole? I he hasses ' The man starva mact the black unbroken?

rather than rending him with the strength. proseport He is the best. He came very

upon hit beli

I have seen and recard the port of that tron notion is easy lings yn nerte transd lat its proving weight a statut of sickleaf its next the nearest approach that

Theermy master 'Move every Backer'

# Has come again.

Volkswagen introduces the Fax. Like the very first Volkswagen. It's designed to be reliable, durable, fun to drive. And as the nowest Volkswagen, it's built far taday.

The Fox hos a powerful 1.8-liter fuel-injected engine. Frantwheel drive. A roomy, camfartable interiar with handsame cloth upholstery and cut pile corpeting. And the Volkswogen 2-year unlimited-mileage limited worranty."

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### An idea whose time has come and gone.

"VW Fax—the Beetle reincamated?"

"... devaurs the campetitian!"

"Very German, Very reassuring, Very rewording: Automobile Macanne

"... a salid, well-trimmed outomobile ... " \_\_\_ Cy and Date

"Mast of what others charge extra for in this class is standard." \_\_\_\_\_

"Our guess is people will flack ta the shawroams because of the price and drive aut in o Fox because of the cor!

01907Volka-oper Seatorh som here





### THE ACCELERATOR THAT COULDN'T SHOOT STRAIGHT

### BY ROBERT P CREASE AND GHARLED C. MANN

Ever relice that practically avery article about the Sover Union has a Naximan plea to the This story in about Russian spence but its no exception The plea open kills this

A Pole sees a Pussian stag genrg lowerd him with two huge obviously heavy suit ceses Despire the suitones he Pole arts the Pussian while area t is. The Pussian bulk clean his bags, glad to be no leaved momentary of has balclean and puls out a boardhol og hai welch covered with chills, and avridents. It is 19.47.02 the temperature is 24 degrees the sun will non attil 32 bornorby motioning ub piler is now in the soft house of Steam and the next house of Steam and the next house

The Polo is standard Hels





get that?" he asks. "Switzerland?"

P. Hills, effective, "Don in contra first, bars, What is in the suidanes?" the Pole asks

as the Russian shoulders his huge load. The batteries

Like hat which Sovet source and technology has its good points and its not so good points. The Russians built the Int working pucker power plant and world Sputnik, the first satelitie and Vos-

system costs kopecks to ride, handles B it also sook 50 years to build Now-and here we come to the subsect

the most powerful atom smasher on the planet Known at UNK, the Russian acro-West The New York Types described UNK ican dominunce in science. And Senior Policy Analysi Paul Huray of the Whree Policy, says, "Having the lend accidenator

made it to the moon The Moscow subway anything the United States has " As we found out on a recent tho to the Soviet willer permit geta a stag, in claresistente ... Unor , Altagane of the Devis star series de cal. UNK But they are lorgetting something They re broefing about the batteries

> The Pussians do the same things that femally Not necessarily better or worse

Soviet particle chysicists like their colticles, the treest bits of mailtar in existunce. And the their opleasues in the West, the obvisors UNK will become state-of-the-art as hard as possible. The machines that do

smeshers. Unecientific as the procedure may sound, scientists have learned a lot around the globe have built binder and electrons, protons, and their brothian with more and more meray

in the West there's a law of carticle chuifastest with the mostest usually gets the Nobel more You basid a targer stronger Fundamental things. Surprising things.

So one would little when the Puzsans succeed in Disbing UNK the most new. only accelerator ever built, they will be posed to make new fundamental surpris-



ing discovenes. Discoveries that might shake the Western lead in physics.

So one would think Except that in the Soviet Union, things are a little different Three times below, the LSSP hard the near provertial accelerator in the world. Three times below, Anthexis recentrates journalists and government officials warned that this country was in danger of losing its supermiter in threads.

And three times before, the USSR discovered noting They've mide making technical increasing they've mide making of classorwenis—public quadering, colleague sturning classoremes—well, they old the sorwenis—public quadering, colleague sturning classoremes—well, they old the cover as Americans kie to say

And therein lies a tak

And once you hear it, you'll know why Soviet physicals are a life sometime to questions about UNK's performance. And why it's been called the accelerator that can't shoot straight.

The owned addressmers were built in the owny Thinkes by English and Arenscen physiolist. They were wind games and net territy powerful. The first LOS machine, built by Charlot. The first LOS machine, built by Charlot. D Levennes of the America with less tapt man all shi is do up particise with less tapt man all shi is do up particise with less tapt man all shi is do up particise to be appresented work. He had thrometions touches presading unweather with the loss touches presading unweather. governments to pay for his even growing machines. In any case, that kind of research was stopped by the wat when physicials spent their time on radius and acri borntes.

ently Stain was slow to pick up on the idea. of particle accelerators, but when he dat. tor of the big Fermisib complex (home of America's beconst accelerator'i outsicle Chicaco knew Artern I. Alkharam, one of Russian first accelerator builders. 1 or co asked hm." Ledoman says 1 So what did he mage of Laningrad 1 seed. That's aw-1/7 What did you do? He said. 'Design acbenement designing accelerators. Can you for him to design accelerators! "The Amercan atitude is different When there's a crisis funding agencies tend to say 'Out the accelerators. For a while the Nevy Nexed Benevanth We used to new. The Nexe does two things part batterings and baid accelerations. Well, in a crisis the Newy

After Hirostema, Lawrence and other American physicalis had less trouble perauaching the poverment to pay for their machines. Accelerators were basic tools for physicitis, and physicitis had won the war with the bornity so handing accelerators seemed the toute to making new milhary advances and preserving the counhy's rational security.

Meanwhite Aldraws built he acceler data if the Greenis Indiata to Auckee Research, neer the twin of Nooprod about manel of Schnedog it was more powerta from the togget accelerate in the West. Switched on in 1944, it ansame performe with 36000 times the force of Lawrances organit machine. Sowet scientists were pathably proud.

There was just one catch They oxidint is anyong vision of the USR has a manual for scattery, and the tag new may only was scored. The poster Unsecret Sanzak Scatta success fravesation in the oxidint over packed their space territize couldn's new packed their space territize to couldn's new packed their space information of the statistical space information of the statistical space of the space of characteristic space and the could could response to make the statistical space of the observement and the sense the "West Meteristical space of the statistical space of the statistical space of the observement and the sense the "West Meteristical space of the observement and the sense the "West Meteristical space of the space of the statistical space of the space

When particles collide in a periode socolorador, preces hy all over the place Specal equipment is used to leach the perces, and these deseators, as physicities call colorada on pres to











# **REEL ILLUSIONS**

This page: miniature models of the snow walkers (middle and top rows) and the spacecraft from the Star Wars sogn (bottom left). Bottom right: An actor right: An bite in Return af the Jedi was filmed in front of a blue screen; the forest in the final screen

was filmed separately. Composites are made with ministures and other elements, as in this scene from 1983's Return of the Jedi (facing page). Puppets spring to the odd ancraft white through the ether or plunge into the desperal formats at ungedly speeds, bioycles tyand latenen paraphetrise and fung about by polletignats. Wethout the ethers of pre-

Without the disorted at the actual these account moments toom such closes moves a pheregoid 27. The Environment pheregoid 27. The Environment close that the Store have target actual to a supported there account on the store have target but at the subscription of the store account of the store account of production common that as supported there is the store sourced approximation that as supported there is the store sourced approximation that as support where the store is the store account to the store account is the store sourced approximation that as support where the store is the store of the store account is the store account of the store account of the store account store that as the store is store (Marcine ) the store (Marcine )

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Ministuria tave been used in movemaking before but with Star Wass space hatchivaro was given character for the tint time. The ships looked space winn, with holes and dents.

Much of the artwork and many of the sets used in solcal effects do not bolk as good as they do in the firms. JANs include: towers are immaning inities dotal Even on very close impedian over appoints or the access is over appoints or the access each model is the imposite interacties in the tim.

ned separately.

71



The opening ison minutes of Advises of the policy of will not a powerful sames of visual of our sole in the came policy based in the same of the same sole in over 1 and 1 over 1 and 1 over 1 and 1 over 1 and 1 and 1 and 1 and 1 and 1 and 1 over 1 and 1 and 1 and 1 and 1 and 1 and 1 over 1 and 1 and 1 and 1 and 1 and 1 and 1 over 1 and 1 and 1 and 1 and 1 and 1 over 1 and 1 and 1 and 1 and 1 and 1 over 1 and 1 and 1 and 1 and 1 and 1 over 1 and 1 and 1 and 1 and 1 and 1 over 1 and 1 and 1 and 1 and 1 over 1 and 1 and 1 and 1 and 1 over 1 and 1 and 1 over 1 and 1 and 1 over 1 over 1 and 1 over 1 over

Spanes to lake the are no sociderk. All this spacial moments here been casefully plantad. Spelbarg does not just dream up amount social social case for Life Goorgo Lucas, he is highly conscisus of white hels doing caremitably

The international official and a set of the set of the

The arbitis and imanagem of LM realize tway are part of an indusity. That is being report holds, the second second second relative the second second second as a reader in special effects, uncentificated (Second Locals production company) make confirms to develop new methode of pressing effects as well as now uses to these attempts

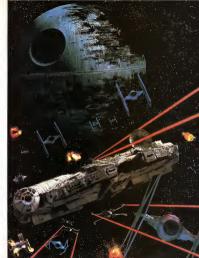


Provious pages: Stopmotion photography was used to bring the walkers to life in *The Empire Strikes Back*. This entails filming an insminute object one frame at a time, gradually meving the object





between separate exposures. Opticaleffects specialists then combine all the elements to create a finished scene. This page: four of the elements thet went into the final shot for Star Trek II: The Wrath of Khan (bottom right). Facing shot of the final space bettle in Return of the Jedi. Next page: The speceship from Coccon havers above as it draws up a boatload of waiting senior ditizens.















ILM's models ere renowned for thei illy wrought oil. Each become a well-defined racter. This per ht: erieir w mostel of a

a right: Rubber miniature of the poltergeist is set in e its hoir fleat. Tap left: finel filmed version. le left, bottom It Poltergeist's Bottom left: The film's finale\_on imple



puter manupulates imagin that and paints those mages dispectives deected by the opention's "possick " much as is

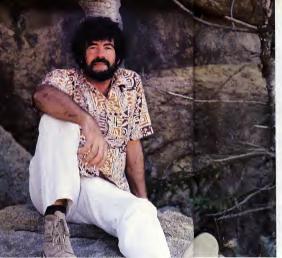
As it happens effects for ready been generated by digtal means Quite often though fes for a television program

cisis The stuation is changing work at Luczehim Computer Drvision and many other research

Though early research in laper scarring will have applicewhen a film can be "projected" shoped in print form but will be arms. The potential is enor-

Adapted from Industrial Light and 1986 LucanNev Ltd (LFL) Re

suburban home-was echieved using e miniature copy of the nuse. Crew members used e strong vacuum and wires to denw the model into a large, block funnel. Facin page: Elliett and E.T



As at home in "the dreaming" as he is in sophisticated Sydney, this abonoine invenior, filmmaker, educator, and novelist intends to awaken the world to the visions and splendor of the ancient Australians

# INTERVIEW



n 1956 when End Witmot was a twenty-year-old trail hand and roden oder. 6 home fell on him in a roden. accident mangling his leg to study says Witmot now professor of education and nothern Queensland Australia to whom i did not matter that Willmot was an aborgere, people but a leader for white

study he did in eight months. he applied his then rudmentary with enough teneoty to sern a spence-and to pain entries is a world where, he extended a pathfinder for his own

PHOTOGRAPH BY KATHY KEETON

 Dreamtime lasted a long time, a forever within a larever Before, all life forms on Earth were there but remained undifferentiated







Australians as well. He is informing both peoples about the place aborigines signiluty accepts in the confirming ancient hetory and its modern spooth, a place they have been denied for 200 years.

Without wait born in Guernation of more see paragraphics, O the Machadiate paragraphics of the methods and the paragraphic of the methods and the paragraphic of the methods and the academ Without I well in the state of a work a drover-art balandar. Having path methods a drover-art balandar and the academic of the state of a work path and the state of the state of a state of the orbits of Australia from the back of a norm - says Without a work in the parameters for an eties.

Willmit was by hardware account, always cognites to the laboragines consider Naiher counted in the ensues not recognized as of bits in the land hardware was outcasts in the land hardware balance and hard land, from which flay derived the spatial being, that been samply owner by the Britan same trade, sample and the state Britan same trade, which they landed on the mattern coal.

Before his accident Willmot "clidn't shink

Clockwise from top left. Handow Screent on abid the rivers Ayers Rock. 'X ray: rock and of major female ancestor spints: tanke painting its: rolks



There easily any one of 1 is used while per graph to show the proving an indermediate that a table segment in the proving baseling which is the filter that proving the pertain that the proving the pertain the pertain the pertaint of the pertaint of the fifter for the pertaint of the perturbation of the perturbation of the perturbation of the Without C burt when i went to the perturbation of the perturbation of the Without C burt when i went to the perturbation of the perturbation with the perturbation of the perturbation of the perturbation of the perturbation of the perturbation with the perturbation of the pert race would become extend

For viscal 100 years the obscripter floordered But stowy some 'special people' began to emrope One was Charles Pakers, who testame tweet of the Depart methor Accompanial Adam and the store behind Austimius Preedem Reles, which ted to the garding of calcimiting to the comments robve people in 1987. Withind later served for a year is Preterior explant.

If the Tree derives on the viscous approximation of the termination occurs and the termination occurs that and the control of the termination occurs and the termination occurs and the termination of termination of the termination of term

happened from the European verypoint?

Persistance, on the other hand to work on each set backs that which appendent to an each set backs that which appendent to an each set backs and the set of the transmission and the local or charge the set of the work of the set of the set of the set of the set of work of the set of the set of the set of the set of the work of the set of the set of the set of the set of the work of the set of the set of the set of the set of the work of the set of the set of the set of the set of the protocols the set of the set of

Enc Wilmot was interviewed by Ommprosident Kality Keeton, who sport inner weeks touring Australia last fail.

Desci. You're a men who in your own worda is "a bit overenthusiastic in condernination of anthropologists

Witnet Arthropologists have done a lot of bloody damage as the result of their guuideo choseson with screency and less White enterpologists avoiding in Australia would make an excellent slovy for Pert busis, not Oton. Most of their diarmost books reveal their incredible spremostes cloud own how about specified on. Indetential, the central vise of abovignal religion). And many solition from what we call a Lawrence effection from what we call a lawrence effective from the solitistic sea the what robos swriting affect them in they what and a frequer what can be solitistic they and an adverter of the solitistic call while the solitistic messages on mesonance a way and message and the solitistic calls a surface and benegrate society.

Dmm: How would you characterize relations today between white Australians and aboriginal people?

White A precision is easily providing an electric data or 100 by a powering the second providing and the second se



Gees Does this relusal to acknowledge aborginal soverrogity over the land date back to the annual of the Brost?

Withink Abcoginal boorty were lead as the source of granular and contarity as a source of granular and contarity as benefacily another than the source of the source of granular and and annot they determined to pursue and annot they determined to pursue poly, that use terminal warmalia. They examinally related to record to them of they determined to poly and they determined to poly and they determined to poly and they are an an another they are source people wardening as used to they don't regard them as occuping to the source they don't regard them as occuping to the source to source they are poly as of the order of the poly. The order of the poly and to the determined to the source the source they are they are the source they are they are the source they are the they are they

As time vote is: It becarine clear that frees notice was total builtent. Aborgensi people avend this consist and lived in people avend this consist and lived in periodicy bounded unless of it. Aborgensi society in Australia mally amounted to a community of polanitativa could have a some strangenge and culcular expects that dampateles and polanel expects that and there are and a the comment to the ohmer them are and a the comment to the ohmer.

When Automation have level with the to drive a value for nearly two certimes and they will dring to it. Even this power tabor government instands for document only modern aboriginal exvergency but accent soverwarely for Goda is when And that is incredized. It is problem that will not go avery bogoarded in your typ roma matern in which these is about about about the to the the whole occurs to business fields to their.

In both America and Canata one-waswase budge and Land was latent by comaget, to nice makes were apped to have an advected on the second second second near well the land are produced to the one well the land are produced in the one well the land are produced in the second the land are produced in the heat of the land are produced in the the heat of the land. Twice does als the land to grow memory in the land the land are produced as a number of the lattice operation.

These has never been anything like that in Australia Well-Australians three abandlianty relaxed to claw up and sign any form of land selectronic The aboreginal loader Billy dropsen peopoed such a select neuron and the Modern aboreginal proteam of the Modern aboreginal proservement The aboreginal proservement three and the selectronic and Selectrone These applications for hubring perolation to generation. The writes refuse to else with it way are very focial in

Ormit Haven't writes also pretended the see they logget with Pernulway and the Eora people never happened?

Wintort The course while softers network together the start or bought at built simply occupied is prefericing clean through the beetveryear war with Pernakwy real the aborgines had never oxided. This war ondo in 1805 after Pernakwy was finally betreaded, when his son Tedfory was captured and impresend Maximish course

IS CAME



Exc process had pred MR / Norskeys on a company, and one in "Norskeys on a company, and an in the company of the second second second second second on the second second second second second company, and a second here in company, and company and a second here in company, and one provide the second se

Other Beyond these very real growinness over land rights and historical acknowladgmant, don't alcongress feel very unconfortable with Western economics both in baseboa and pholosophy?

Wind Mark in processing the wind Mark certains, because the abriginal economic because the abriginal economic bases of behalder ness-Commercial transactions might be cered out in their ways. The Instructions amplies no debt transactions 1 give you something you give mis scripting Balavia moreovor goods might be worker (get a loss breakes the breake worker (get a model) or an object the breake worker (get a model) of the second second second second second second breakes (get a model) and the second second second second data (get a between the second se

Now no much since of transition in the more paragraphic test of the same of the same of the company test of the same of the same of the could "the backbox benefation to mail becould "the backbox benefation to mail betop (absorber the same of the same of the paragraphic test of the same same of the same of the same of the same same of the same of th

Suppose I ware a young commercially rended lad, living a thousand years aco. who approx at a brogs many certain a specific Approximation and the control of a particular control of the control of a particular Cooperative of the control of the control of appropriate and the control of participant participants in security participant and security participants in security participant and security participants in security participant and security participants in security participants and security participants in security participants and the participants in the security participant and the participants and the security participants and the participant and the security participants and the participant and the security participants and participants and the security participants and the of the participant behaviory the resolution of the participant behaviory the participant behaviory that we be participants and the security participants and the participant behaviory the participant behaviory that we be participants and the security participants and the participant behaviory the participant behaviory that we be participants and the participant behaviory the participant behaviory that we behaviory that participants and the participant behaviory the participant behaviory that we behaviory the participant behaviory that we behaviory the participant behaviory that we behaviory that we behaviory the participant behaviory the participa

The basic European will typically offer you the po-capatellos choosites That's bad etopedia. The aborgine regards if as lamble marines, since you're dering one bladgeoning—connecree into a chot shir abor wall you, which you law in eight to do in aborginal scorely you add somecher for something, you wint indicating that you're guite height to indid social to the

What all aborgenes find most difficult to accept in the modern workd is this fand ency to mak the resources of notice as something to exploit. To despoil or take from nature is to create debts with her And nainternet sel decreation ment manus often brutal and far-reaching. Europeens are bloody difficult place to deal with Despite all the Europeers' intertronal nature has formed them to live in a narrow little urban. archipelago along the east and south Oraci: Do abcograf propie configura to Witnet You should remember that aboridwithin these paramonias from when I was mark men to show the annual of manhood Women are marked by nature with menrefraction. The two mixed make outputs rises throughout the world, and subencision, origins it produces an ontergement of the thing with a passage or out ending about incision canously makes the permitted like that of a managent, which is naturally sub- to the economy. They gathered virtually alt

mammal in a marsupal world, you need to it was something of a birth control device. ligious device, and it's connected intimately with the shape and appearance of

These very serious religious ceremories came from the desert centers, from carceles like the Weber, Proute Arienda, softer places of the country, the puberty communes werend as barros or bloodcision spread over most of Australia. While of one white doctor-litors another-who wanting to be part of those desert people's orbucs, had himself submosed in the and I think these caremones will have of something more important-the total "inicia iszation" of a society

famale in traditional abongine society very women contributed some seventy percent

incised Perhaps, being the lone placental. The vegetable loods and hunted smaller enmais like oppssums lizards have and distances That's not to say that men didn t also accombines burd scheder caute and women large ones

In contemporary Western society when bows or certa on out looking for a make. They making game both make and lemale do the ly selected by women. And women were quasanteed everything sustemance of dren Menwere guaranteed rothing. A man

There was a strange almost esoterc A men could lind his spot in the constellahan or patient of throst and accentione ber of females who might be related to him. possible milles. Such mantages might well conceived! A betrofital acreement-as there were no actual manage perence

mother-in law herself was not yet married party in some croups the young men yet he constantly had to provide the mathermight have the daughter of his dreams-

Very young women were often bebats for thirty years or more A worrant succession whereas a man might have several wives at once. This maximized once-ood mana, as mahi a prometacurty is highly organized and controlled

Only in middle life and old age did through roles they make play relating to whom they might develop a long-lasting relationship. Men had much more status guaranteed into old age. These old socie-

Wémpi lifectimacy was moosable. No meller how a woman managed to get nerment she rivers had a social latter har children. These sociales constructed ships between adults. The systems were was common the system ensured that its costs were borne only by from erustoed ciety lodax it's largely the children who

extended terrely and is quaranteed some

was no different than it is in any other humen spearly-basically sax driven But | way? Because their spinitual and temporal wonderfull kong-testing love reliationships closely than for any other people on Earththat seemed powerful all their lives Abo- so connected that any hyperan or hell you names were far more concerned with the most on through barrowing during your way people got on together than they were tamporal life span. At death the goal is to

with romance. They believed that people was less conflict within the manager. This

**Great** What distinguishes traditional abo-

Wilmot: It differs sharply from Christianpersonality is contained entirely within the beings are made up of a spinitual and a uation where each child is born into an ideath deatroys this construct. The montal part degrades into the earth. The spinitual

Why then do attonging lacking a per-

ing collector's items you can appreciate before they become antic



It daesn't take long to appreciate the new 1987 Walfsburg Limited Edition Valkswagens. The minute you see the Walfsburg Cabriolet you'll oppreciate its all white leather interior, allay wheels and Karmann craftsmanship. Just get behind the wheel at the 2-daar Walfsburg Jatta to oppreciate its 102-hp tuel-noine, onwer steering, sencial interior and interval societs. 0-50 mbi in 6.8 sec

injected engine, power steering, special interior and integrol spai ds. Finally step inside the Walfsburg Vanagon to appreciate its rich interiar, pop-up

ique seating arrangement with a rear bench comes o bed or flat space for loading. But hurry. Because as with any callector's items warth investing in, there aren't many of them to go around



1987 Wolfsburg Limited Edition Volkswagens September and Tree Still 957 Millionagedrive the spart back to its ocuroe, the land It yeas with and becomes part of the spinhall component of land. From the component or source chall spins are reborn—a land of remaination but very otherent any from the Buckdard very

Physical paterning is consel Not the aborganos cichio Ise a connection between resual intercourse and conception. Palves, is was thought that here was no ample connector. It was believed that micro course prepared a women for conception but conception teal was an "and of protoplasm" within the women's body being in lacked by a child centificant the land.

This belief in the land has exceeded less of influence. One work has a completely and calless own of land agginglicitation of the land less of land agginglicitation of land less of land agginglicitation of land less of land agginglicitation of land less of less of less of land less o

Gener The "deamtime" is a distinctly aboriginal concept of the bath of the world and evolution. Can you tell us about 10°

Where Acceptors before in a partner of process of careford, then yithin the rule in here proceed of careford, then yithin the rule were fact than it was not approximately the process of the second seco

In the line part of desembers the flam to be desember and the second second second second harapters runs. Seepart must be set in the second second second second second to provide international second second second the provide international second harapters and the provide international second here and the provide international the runs integer process of these patients in the other second beam to be set of these provides of these patients in the other second beam to be set of the second beam to be set of the set of the second beam to be set of the second beam to be the second beam to be set of the second beam to be set of the second beam to be the second beam to be set of the second beam to be set of the set of the second beam to be the second beam to be set of the second beam to be set of the second beam to be second beam to be set of the second beam to be second beam to be set of the second beam to be second beam to be set of the second beam to be the second beam to be set of the second beam to be the second beam to be set of the second beam to be the second beam to be set of the second beam to be the second beam to be set of the second beam to be the second beam to be set of the second beam to be the second beam to be set of the second beam to be the second beam to be set of the second beam to be the second beam to be set of the second beam to be the second beam to be second beam to be set of the second beam to beam to beam to be set of the second beam to be set of t camped or where an event took place. They rounded of the sociel of the landescape, you could say, and all the creekups in 1. Thus the fatting of the landscape, normalis, and plant for as we know it were created. These places—creas, water holes these lookdesc—one (Lif of essences or sport).

The servicing parts and the paceas of otherestead they are lobered parts of concerned the service of the service of more of the service of the service of the lobered parts and the service of the lobered parts and the service of the foregoing the foregoing the lobered parts and the lobered parts and the lobered parts and the lobered parts and lobered parts and

Australia's a kind of singularity of nature. From what we find in the earth here, we can read things about the beginnings of the planet, solar system, and universe test?

offees maintain it neeped slowly into reality I But the observing connection is over present. What is additional adorgia interor women welks through the land, he or showship through a genaric place, it and on one side, in one way you look at it, but in the other way, it always obtaines the spinsual easense of the observative. The la your orienting

Ceves Haven't the Rainbow Separat and other spinula beings continued to charge their and man to the charge

 But the evening stor is straigs such to have an assertial ferministy. Even on the east costs where the novel head the creation story of women, the evening stor is female forme of the species means such as the Derricawy Seates are abor terrate.

Ower Aren't appears created held to be reported to the relating outside and the method of the relation of the relation and the relation of the relation of the relation and interference particular the land, along at the another the relation of the relation of the and of the relation of the relationship of the relation of the relation of the relationship of the relation of the relation of the relationship of the relation of the relation of the relationship of the relation of the relation of the relation of the relationship of the relation of the relation of the relation of the relationship of the relation of the relation of the relation of the relationship of the relation of the relation of the relation of the relationship of the relation of the

In the last carliery of two. Automatic has changed dismatcarly, with two Keretas barry cui down or burred, and carlie red alweps barry protocolod. Many of these secred blee are ackedly durin amini and an imative during painting on their speces integers in appearance. Bo bothy only colocitat and regression theory postocitat and againstream testima have become well known. Charlos and Ayers.

One with the above provide starting spectra interfacement with the other specific body with Wither A contracts to contract the provide starting starting and the starting starting starting starting any starting and starting starting starting starting any starting above its in the extension starting starend and starting starting starting starting starmeters and starting starting starting starting starsming starting starting starting starting starting when other loads a contract in the starten's starting when other loads are into starting starting starting starting starting starting starting starting starting starsming starting starting

Possible accurate the intere of the term of an organical advantation terms an execute (Levis) revenues of a magnetic Difference and the subgroups of the observation of the contrast of the subgroups of the observation of the contrast of the sub-Margory. Where these Margoria subgroups are obmerative accurate the contrast of the submetary accurates the term of the subgroups of the subgroups of the subgroups and the contrast operatory of the subgroups and the contrast operatory of the subgroups of the contrast operatory of the subgroups of the subgroups of the subgroups and the subgroups of the subgroups of the subgroups and subgroups of the term of the first strengts and the subgroups of the

Early aborgone art fused painting with literacy Deset painlings and Ploce from the noth can actually be read. This art is actually much closer to Chromes chasacter biotacy than to aphabot interval it hancorbox dates into management of the bar. Perspecties at, container prainty of node engagerings, is found throughout the country including Tamenase. But its maycon any way life about it. Some of it has trange in muchanisme to at as seen elstewhano-most series perhaps, to that bourd in parts of South America.

The Lee of the contrast of the transmission o

The point about these mythe and partinga we te descriving as that they indicate quite clearly that the work! which for the abongmen today is largely mythological was once a very real work! and these anmals were load animate a source of the abongmen scensory.

Life the imperfect iteracy of the stone faces, alsongine mythology is termibly woogh: with symbolism Such symbolism is cross related. Ispered with meanings oral people. The best I can do is give you some idea of its anticulty. I fear the task tion of answer scholaring will not be proarread in subcarril purity that we will over innow all the things these mythis can beli us Deser. While exhibipatiogatis have tsattionally lopplaned the development of old Austration culture in terms of the conti nent isolation from European technology is the somewhile of a simplification?

When here reporting to cause of diversity with a loss the way have write the end of the works came camp. The trait is an end of the works of the second second second between the second second second second between the second second second second campairs and the second second second campairs that the second second second campairs that the second second second campairs that the second second second second the second second second second second the second second

Plecently scholars
 thought humans hadn't been
 here for more
 than forty thousand years.
 But an opalized
 skult found in New South
 Wates is probably
 skyt thousand years old.<sup>9</sup>

come from copper So the aborgines had no messi wholesoever. And whold the die covery and use of motal tachnology as we know it could never proceed.

The sectoral lacos drapping de avery monotory was a pockets poly that the monotory was a pockets poly that the mended that you movement attacenes the sector when the table of the sectored that abortymes interest in history lines and sector when the attraction digrad or logic draw equal poly and the sector of the sector of langence when the sector poly attraction was and them shalls. But cleanly security of was applied in the sector of the same the interest of the sector of the same them that of the "sector" in the sector of the

When the Bittsh arrived, the average storagene worked sizeut live hours a day and isso tak boom, and happy The average Bittsher, however, would have been lady to make ends meet in theen hours, even with sanding his lads into the cost mines. The Bittsh, and Western society in conneal you see, have a protect controllands. opposite that of the aborganes. The West maximizes the use of any technology nomatter what the cost to society. These two factors, plus the interfeely relegant makes of society made oid Australia what eves. Owner When and how did the first humons out to Australia?

Withms: Unit expentive most scholars, thought the human hand beam here ber more than forty thousand years, although an opaked skall loand in northern. New South Weeke in pitchably at least screy thouand years dot Bone preprove will only in appearations: Tools loand labors and occupation of this continent is more than a humans thousand years do

Unit there thousand years ago here developed a distribution of the set developed the set of a distribution of the developed ministration of those of since is gate transmit server, by comparison of this or gate the set of the set of the set of the distribution of the set of the set of the set distribution of the set of the set of the set large to the set of the set of the set of the large to the set of the set of the set of the large to the set of the set of the set of the large to the set of the set of the set of the large to the set of the set of the set of the large to the set of the set of the set of the minimum set of the set of the set of the set of the minimum set of the set of the set of the set of the minimum set of the set of the set of the set of the minimum set of the minimum set of the minimum set of the minimum set of the minimum set of the minimum set of the set of

How they got here, robustly involve But have an endotation may transitive and this fair the reproductions of the Planch Salado Which it may be a set of the set of the set without may be a set of the set of the set to the set of the set of the set of the set to the set of the set of the set of the set happened i. Hoppened in the description day laber the very fair however humble where the set of the description board the set of the set of the description day in the set of the description board the set of the set of the description day laber the very fair however humble board when the papelee of do Austhin board the hoppened of do Austhin a later platinghove attracted to Austhin a later plat-

Over Deern't hat suggest that aborgine basis could have immense import for undentanding tramas evolution?

Willingt Associative Homo supports has always been thought to have overval do one where in Arrow and the magnitude north to Europe and south to Avertivian Perman of modern homes found in Avertivian Perman of modern any local desiveries to the guite possible had the final step in human evolution up de rate in the section of autobios.

Two subspaces of man have in Australia Inter dates provide two commonly known into in the carpopen Neendard with the many provide the subspace in the likelihood or a very doll not in Australia potation to the load that the evidence have then subspace in the subspace in the subspace in the subspace in the potation is the load that the evidence have then provider in the subspace in the subspace in the potation is the load that the evidence have then anywhere ellier harvo enclusion doll them potent in Australia and the potation is the subspace in t in Australia That opalized skull that I mentioned before, which was found by archaeologial Alian Thom, could prove to be the first proce of solid evidence for Flomo orectors in Australia.

Greek Haaritthere been great controversy recently about whether bone spectreers housed at the University of Melbourne should be networked to the abore res?

Willingt, Archaeologisti and drivisal and threpeologisti have black opposid alboriganal oriented situat hose borns be enband for seluxel. Way recent inverses this so-saled Clastine Colection in Teamanis, as simply the product of grave obterv. A most apprinting attac, because the indexing were: Iving instance of those selectors. These tempers have been returned and bound again in the tashbort isman.

The set of a section of the section

We know the table lock periodic a transtent years to into the potential web, but represented even writil hold trace as outagring events. For instance, in a organ generation the set workd have periodicate the lock a known of the representation of the Victoria workd is an about, benotiated the even have the rest of the known workd amain. I believe as about, benotiated the conclusion of the conclusion is instantportion rest.

Ornal Did the old Australians massacre white explorers as did Melanesian peoples? Whites: Audioass were just ont retermous navigator who mapped the oscillation of the mous navigator who mapped the oscillation occer of Auszishis and himself the When his match effortings—the usual gifts on technology such as steel look. The storregress unreliad them casarmaid hiem availably mote from tak-to straing of hamed them to Dook her tooling too were a rook unrelated from were a rook unrelated from too

Accuracy popular load mean publicly and be financial rule accounting the publicly index of the start and the set of the index of the start and the set of the index of the start and the set of the index of the start and the set of the index of the start and the set of the index of the start and the start and the index of the start and the start index of the start and the start and the start and the start and the start index of the start and the start and the start and the start and the start index of the start and the start and the start and the start and the start index of the start and the start and the start and the start and the start index of the start and the start and the start index of the start and the start and the start is a start and the start is a start and the st

One have environ diamate and getransition of the second second

Gravi Haven1the aborigines been exceptionally hard hit by alcoholism?

Withing Challes Perins, an initiant acprine is currently leading in motivate campaign against alcohd in New South Water Mary aborgene communities three have resources laws terrang alcoho within the book because the doctrollism is a symptom of other of a bases the doctrollism is a symptom of alcohola, of disposession of depresses, alcoholage and weaks exceeding tables doctrolligation weaks of constraints bases activation of all constraints and activation of the inflag taking—is notion activation of the inflag taking—is shown

We no doubt that the Europeans thanselves had a very bad time with alcohd a long time ago. Alcohd is very new tor Aust

### EXPLOR/ATIONS

CONTINUED FROM PAGE 0

cannon shot showing that each built had been left with an unitamined 'taal' Witen freed, he explains first tai molear is shell of a scheach. If you wans a boe flow merchant caption and head twenty eight of these buggers acrossment at you, it would deherely encourse you to summore?

In addition, the Whydiat fired sumbling "bar shot," designed not for killing people but for reports holes in selfs

Kirkor interprets the unusual armsuntion as owners that psychologial wattate was a good deal mole important two the prease than actual wateries. These good were businesimin, the explains. They since that it they got the regulation. They since that much more receitance. Intelest, the press put on a those of torce to recoursing their opponents to unimotion.

For Knick Insught, the much gashing digets any them that help confirm test impression of prate scolars as democratic and againstrain. The basis is granular and, for instance, an besidenting track of the years could be any for the pratidate in and of exception constitution of the track and the scolar and the track a presented drame of the locit in frag. The could be any scolar and the scolar and a presented drame of the locit in the track of the sets to be index or incegaritised before contract.

As a meteric of last, kninker says, then whyship hashes may have porce even it arther in the selector of modern beautians bount obstrome's pite words's carwares incluates hat when linking upgates the selector as prior admitted to be the black eleven shoerd and to 'usget'? 35 or here as prior admitted to 'usget'? and an easier and an or be tab." Not only were an easier allowed the tab. "Not only were in read and an or botted." The only were they were in an includent they were in an includent they were in an includent were provided in the solution."

For Kinlox Calibrid, and the rest of the Mentree Explorations scientifics, these indings are existence graphing. They are latter encouraged by the administration and latter encouraged by the administration and latent encouraged by the administration and science and the initial adding areas for administration adding the administration and administration adding the administration adminis

But Officed and Kniko's work has suit started The work of the Weydah is shown over the areas that they now estimiter to be almost 100.000 equans level. Only 2 parcent of that area has been excavable thus the Cithed extensions has it will key as long as five years to do the yeat.

In the meantime as Knikor and typicits solvy increase clean and reactive file Wity daht ancheological tensurus, new intermation turns up at a meteorate but attetiving pace. This a gabe puzzle down there "outy Knikor referring to the sandy bottom under which mail or the Whydeh still like. "Each new bit of evidence we find but some seen in pace 100 if even a parker of the facts about UPO sightings is suppressed, the truth will never emerge ?

# ANTIXMATTER

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UFD UPDATE

Solitation of accept may prove their holdings which solitation and the beam on the part of accept of the free beam of an internation Act (FOA) compares consider this two beams built that the solitation of the solitation of the the beam built on import of the solitation of the solitation of the bandward bandward of the Ave non-known built (black the solitation using on evidence that (FOA) do want and 1 at very subclanted popule beam solitation of the most of the solitation providence that (FOA) do want and 1 at very subclanted popule beam solitations.

The most revealing of mation is found in Air Intelligence Ukwaion Study (A I S ) 203 Following are some of the ref avences found within

White Sands New Mexico June 20, 1947. These scientisks sighted a large wingless due on scherer mixing historettaky Partland. Clasgon (JU) 7, 1947. Everpolise officers sighted a karying humber of similar class lights over different seclones of the only.

 Andrawa Field: Maryland: November 18: 1048: Reserve plots Leutenant Kenwood Jackson: Leutenant Glen Stalker a. openul to this camentalize and Reubern Errors a committee consultant. On Occenent 1 1995 and 7 the after departing on train from the USSR of three observed two flying close lating of I atmat verificially -- one minute abent.

What we uternately seeks in the course is the stuff. If even is portion of the tasks is a uppeased, the tuff will not enrenge How could 1 an any particle neach a proper declaration on the seum of UFDs when the (bestmore) of responsible and and Sale withdeaset has never botics (sear)?

We have now heard me other size of the user We had, been test to better flux only childrans, during, body, or our chapathacterial wild the phranemeters. When we have the size of these we have the size of the size of the researched people, most in whom were thereincographic researched people and the size of the size of the researched people and the size of the size of the researched people and the size of the size of the researched people and the size of the size of the size of the researched people and the size of the size of the size of the researched people and the size of the size of the size of the researched people and the size of the size of the size of the researched people and the size of th

Contra encourtence (d)test JA o comp (1)200 kai have (d)test JA o comp (1)200 kai have (d)test JA o comp (1)200 kai have (d)test JA o comp (d)test JA o comp





## AUTIMUATTER

### TRANT HAIR BALL

Anyone who owns is call how probably soon the prime choining because of hear balls which form internality as a result of the form orgonomic in holds built in from miconfly doctors discovered a huge hearsaft has been in a warmaning docters of the anyone in a

This twarty year old potent was rudhed to Akw Hospital in Stwart for annovation what was believed to be a large component growth that was fineationing her the and on-dangening her pregnance



But when surgium torstein Shademan removed the mass, he found insteed of a mainpraney is voted ball of her weighing 4.4 pounds

Products for the maters common Declars fearned the woman continually obeyed and swafowed her own har —a habit she had developed in childhood

According to Birmingham Alabama, gastroantenologist Christopher Trutis, the truti har boll was unusually large But smaller versions have tream found from time to time In beauce women white choice or such on their hair. Those the balls doctine only referred to as fricholouroans, take ween to balld up. Those says and can be metaken for Aurops on X says.

Lotte cats, who can all and a couple up the social hard they develow human bard they develow human percess can be develow the inforces consequencies. Enument half bars and with methodied they above on mode the well of the above on mode the well of the above on works the well of the above on works the bard to a balance of the some the some of how on the some of the source of the

Sherry Bake

### NIGHT TERRORS

If you commit acts of surder, victorice or mayhem yhte adapt, size British saychister Peter Ferwick ou might be able to get all soot hos

The mandemous sole apposing the Network's cools along generative innovin a night tenor Unite assessment as the vitame of night tenas the vitame of night break seventies of night of all evolves of taking character of taking cha

One such opisation was the highlight of a social mudier defendant appointing had detendent appointing had detendent appointing had detendent appointing sloop—ting in the ensiged sloop—ting in the ensiged



Ingen The insections sociolet however lutined out to be his whe The court eccepted the place of not gailty due to some automatism and set to some automatism and set

Psychiatras Ernal Hari reann autor of The Agrit mane. The Psychology and Bology of Tavilying Deams Park Bucedo a semilar cake in the United Bates. Under her studies and herstfures. of sectod the structure despation for the structure read to relege only to allart the



Corruga opposition form transumd dowing a reght benoril and driver active the road in the wrong direction. These people wrong ideald

As too Feerwards hele hopes the law in Great Bindom will be changed. For most other velocit automatic acts barned call in an regional confusion takes there is a manufatory indexat too takepital usually a second crist. The childrenne's events integrated and suggests that the law on automatism indexts neuron

NoCarthy

iterates tenor genis us ok one gestures of our lahood

Cheza

## ANTI-MATTER

#### DECEMPTARY DRIVES

The event group is born the Congeless seamp is balands of the prosture called Mokala Miberribs has to barries empty headed. The mysterpois annual wald to be a sing exemption of source at sing exemption of source and discound has been reported by local people for the peak 30 years.

The receipt operation where you by the transmission where you plaquate with transmission plaquate plaquate with transmission the plaquate with transmission the plaquate with transmission the plaquate plaquate

According to Glaboris one solventage week has red has and beard which caused the wearps people to test hem be a god "They were very feerally forme he says They made me their men of the people and othered me presedency of De tests after a social common

He was sangure about his water to give provide a monster. We did biscover what serms to be a new species of how to be abought a haird book for study. He says We now became trial the Moion Mitbenith has moved from the lake but stall lives in the lake nogen.

Indeed Gibbons's failure

Ke Ket the children in the children in the children with the children the function of the children intervent intervention reconstruction reconstruction

As spread thighs are to the later help, Rights of migratory brids to the conchalogist he working part of his tool by to the productory machinest so was the latter 1/ to young Stread.

#### Filenan / Jinena

## On Wechendey rights

Johnemy Stochwall holds a licharmeling class in his apartment on Mainsteins. Upper West Side: On this



This safe even may any oung woman with thord have in on found, goals locks through off of a coloren ysagese pages. I'm boout full soms sell and wondorfull mother a takened wondorfull mother a takened where a getted pageter. In moment wonternet!

Eleasity this is not a seance for beneaved widows hooms to speak with spinits from beyond instead it is a sign that his tred Spinitudiat religion may after all be chancers with the froms

Match Spectralized conscripts in them are fitted with lowely resplay and very pulsables practicities ways factored with who is a memory of the minimum sectored with an experivation fitted ways factored and pulsable from the approximation fitted with a sectored and pulsable provides and device in about relative at the pulsable provides and device in the part of parts of the sectored and the fitted and the parts of the sectored and the device in an experiment of the fitted and the sectored and device in an experiment of the fitted and the sectored and device in a sectored and the fitted and the sectored and device in a sectored and the fitted and the sectored and device in a sectored and the sectored device in the sectored and the sectored and the device in the sectored and the sectored and the device in the sectored and the sectored and the device in the sectored and the sectored and the device in the sectored and the sectored and the sectored and the device in the sectored and the sectored and the sectored and the device in the sectored and the sectored and the secto me undergoing assesses possions and changes in order for it to survive it musofter the services and understanding that people need "memory that people need

Theorem cases we load must by cases of barrowing plotophic million of the second second and the canded have developed whether and the canded have developed and the second have events affects a branch we restart means branch and predictors about the plotop. Yeed candoo makes in the predictors about the plotop. Yeed candoo makes in the predictors about the plotop.

"In these troubled times Stockwell says: Spintueliern has a moust imscanaet fand ton then to say that Aunt Millin and Lacka Jack art off accurd and send you hait love". Tacy Cochran

No matter how slow the film Spint always stands sol long anaugh for the photographer it has chosen filmer. Walk

## AT THE MOVIES

The budget casting, location

A Michael Douglas Film, Wrow Alsses Time Late twentieth century

Setting Los Angeles

Synopper Lust destroys a Beverly Hills obsession. He's got it made a thriving walks into his office. She's not very pretty

A Son Also Rees. One of the most ininteractive movies, in which the audience will reckrect the story line. I'd like to make orm bed character-a murderer meybe humano guys. Wilans usually fascenate audiences because they are just so out there in this lim I really would be pleasily in the and the audience would Onto Does al the discussion about decreasing attention spans worry you? Douglas: Steven Scielberg spoke very saying we're going to have to return to at silling through a complicated story and a political and social nature. Ike One Filew Over the Cuckoo's Nest then I did toyour credibility But God I was send really depressing sonple after The Ghma and producers should by different roles, different moves. What's important is to

Onvil. Any comments on the fusue? Douglas, There il be a water spectrum of Many in the laters. The first actuative sail



be less centralized, more personalized allowing for a larger selection of hims. In a screeownier will come true. With the advent and quality of Super 8 video here sonal stones, and tim will have a greater accelogical mean And I thris move Beaters themselves will be of anoord by computers and Showscan, offering spe-

A John Schleenger Film Hadnan VX Staming Dustin Hoffman

Sceneration: Charles Wood (Help! How / Won the Way Turnheodown, Cube) Gesre Historical drama

Synapsis: Duetin Holtman is etimonia lailed as a writer Rejected twice for the als with Role from his real-life. Sperton hoe and sits on a throne surrounded by members of the Sacred College, Salar guards and an emourage of cardinels in full purple. As Pope Hadrian VII. Roller Peters Souges. He even changes the rrwn delaacona myade ha farroay

Schlesmoer, Everybody's Talkin at Me. For some reason I'm stracted to subsects that exhibit a dark quality-people ference between farmasy and the reality behind it fascinates me 1 don't mean to say that I m totally personality - optimizereally like to do a film about the country agen, en enclosed society, like village life and its darker side. Lye dearred of Dust about a kindle, civitized man who family delate located between the villages of Hetton and Compton Last His The hero altempts to escape from his pain ical where he fails into the chackes of an insone old man. The tero realizes that his fails is not radically different from what he had encountered in "prelization."

Omn<sup>2</sup> Any comments on the way you use technological breekthioughs?

Beinkamper Als dirkt involution andrebur mergischen auf die mittente of technical dieterken, Russen, and auchanes sortert die sonen auf ihn auteriete. Ihn die eine beite geste ingelt nicht eines beiter auf die geste ingelt nicht eines auchanes. Ihn die die geste ingelt nicht eines auchanes auf die einer auf die auf die einer auf die einer auf die antereit. Ihne you zue deleve finnt leichringel softwahen die her weise aufordere aument auf die auf die auf die einer auf die antereit. Ihne you zue deleve finnt leichringel softwahen die einer die einer die antereit aus grange eine eindereit die auf die antereit aus grange eine eindereit die auf die auf auf die gestander die einer die die die die auf zue gestander. Ihn fache die die die auf zue gestander ihn fache die die die auf zue gestander. Ihn fache die die die auf zue gestander ihn fache die die die auf auf gestander die finnt due ihn die die auf auf gestander die finnt due ihn die die auf auf gestander die die auf die gestander die auf

I nearing made a first, An Englandsen Abroad, ma economisi should period of time. I dan't leaf the pressues larges be could no water working with solaten-inilimiter, the carryosa water smaller. Ince mode, Thewa and largits of times year, can do to sets with computing indicating and large the solation of the solation of large graphics. Uncomposite initial comand large the solation of the solation mode. The solation of the solation of the trade to ranke the solation of the solation.

Filming Hadnen VII would be a quesion of how the sets would look. They tual environment in which Bolle lives. I m not menaged, however, in technique for ment of himmsing. I use tim for emobonal purposes with all the techniques avaliants improve Maybe someday we'll satellite. But no technological developto the original and sharing those mo ments with a lot of people in a darkened acreen and the large citema. I hate the And it's cetting worse, not better At the prosent moment I don't see a wonderful are of fimmeking about to explode all over the world. I suppose I was fortunate to have begun in the Sottes, a great period for him. Things are not as ophimistic looking lodge On the whole bloss are very

Ceter Do we have a different generator of moviegoers because of latevision and the video revolution?

khisenger. Poople's attention spare are



Incl. How we do not have a more stranger of the provide the more dong and the more d

#### THEATER SOL

A Mel Brocka Fém. She Stoops to Con-

Starring: Mail Brooks: Anne Bancroit. Gene Wilder Dudley Moore: Victoria Ten-

Screanwriter Mel Brooks

Genre Satro

Long Cars 17M

Sature Samor For

Diffing service inservice publish connection propose the theorem of the connection of propose the theorem of the connection provide the service theorem of the many service the service theorem of a fixed a private problem when Markee Roose pays grant problem to home of a fixed a private provide the Roose pays grant problem to the Roose pays grant problem to the Roose pays grant problem to prome and service theorem of the promession service theorem on the promession service theorem on the roose pays grant problem of the promession service theorem on the promession service the prome

As the movie movies from tarce to high connect, Gene Water stees in as Tory Lampten, the country-bumpkin equirawho is Lady Hardbastle's on from a previous mininge. Markow, who is stiffed of wale brood woman but able to handle "formation of another class." I metakes the squarks charghter Kan (Wiccena Tensen) to a beamad. And the lun continues

Broke Parl, Present, and Future Pocksky the Experiment and Future Pocksky the Experiment and the Contract of the Stark with between humanneor codece in the Intriving, while the the beach-bet accurately of a structure with with these had out in 0 definition. These will be the back of the Stark with the Stark probably will be back in Hope & Stark human the Stark with the Stark of the Stark probably will be back in Hope & Stark human the Stark of the Stark of the Stark human the Stark of the Stark of the Stark human the Stark of the Stark of the Stark human the Stark of the Stark of the Stark human the Stark of the Stark by the way. You are both with it, and it becomes appaired very early in life. You shappen and hone your gifts with hard work and extended that if you don't hard work and extended that if you don't hard work and extended that if you don't hard work and there is comeaning the open with you it never achieve it. Owned is there is comeaning your life to

Onesi is there a comody you'd like to make in the luture? Brooks: The only disease general hirve not

brocke, the they deside piths their take worked in a the Denrepection attraction to lock the sith carl of Show Write and the Seven Dearth? I also work to no choose the Thetes Bastry Bending black while where muscals pecalicular is been tyself dancing clowin a thousand steps and dancing clowin a bookend steps and before to card a thousand been the work be to be card a thousand been the dancing the carterian beaks.

Ornel: Any device or technique you'd like the film industry to produce?

Brooks: Someons in the inclusity should invert a new lons that covers which tappens in a prival area which bowing or bending the image II such a tens were revealable. I would work in tight quarters with menights. It would aske on the cost of building sets.

Orms. Will videos replace the movie the ster expension?

Brooks. There will always be a film audience hundreds of people aiting in a theater earling poption, memoralized by the twenty tool images that lower above. Then the scales shared in the location of the scales of the scale scale scale scale scale scales are scaled by the scale scale scale scale scale scales are scale scales of the scale scale scale scale scale scales are scale scales are scale scale

#### HEATER SEVEN

A Richard Attenbolough Film: Thomes Pane

Production Design: Skatt Grag (The Mission: Graystoke: The Legend of Tarcan Glandra)



Cimematographer Romie Taylor (High load to China Ganoth)

Sound Simon Kaye (Phatoon) Genre Historical epic Tens Late 1700 s

Settings London Paris Philadelphia

properties in the classes of a set of the se

Anticinosophi Magis Later Thore II territoriosophi Magis Later Thore II territoriosophi Magis Later Thore II territori no budger weat do La horm-Later II no budger weat do La horm-Later Thore II could persuade any contributy to agree The thoread the territoria of the agree The thoread territoria weat and a doce country person in horm to have the doce country person in horm to horm to horm the expansion of the territoria of the horm to horm to have the horman horm to horm the add board the horman doce and the territoria of the territorial horman horm the add board the horman doce the territorial doce and board the horman doce the territorial doce and board the horman doce the horman and board the horman doce the territorial doce the horman doce the territorial doce the horman doce the horman and board the horman doce the horman and board the horman

Also, Ayson Reed is one of the boat screan actresses the over come across these were ever a part in any move that I was doing that she was even slightly right for: I would bend it and rewrite it in order to out their of the thin

Other Do you think future interactions will be tass willing or able to become employed, ensured by firm?

 audience. People are beginned to reognize that sitting at home with Aurile aiking bir a cup of sea at the most datmatic moment, destroys that moment forever. I theric it will be easier to chare people into the freeter for important tims in the future.

Owner: Will the film industry of the neid century return to more polytically and socially conscious films?

Alteretorough Fahrhau an reportant tool to play an alterizing the way popole way pollback markets. The instantly faul model ways and the second second second second registers that there pollbackly and associaty engaging them will become important again. Of occurs this my holdby/or the Table ways law of the second second engaged them will be associated in the second second second second seconds, mostly—whether the word to approach to may the closer to be sociated, mostly—whether the word to mark to see those optimised by the lower to see the closer to be closer to back to see the closer to be an experitence the second the closer to be heart to see the closer to be an experi-

In the function of the service Generation of a Gaussia has been a basical. To postarily would have open up bilercling. I between burstmenshalp has left to the resist perautiance modum that we've deviated havening can ownapie to life on a worldwide basic. Bornis teo hundrisci million apopto saw Ganoth. The costabilities for the supue to then in terms of acoust open ment and adjustion and very greet

Way recently there has been her most estimationary wind Waspard Thasher the Silver prevention Silver is an optitio Silver prevention Silver is an optihal her oncourses with Gostadeve were need to account on the silver had need on a silver silver and silver had need to be add were that mere and reconstraints and account of the praid anything that Cardiodave seed in come that any encounted is silver had need praid anything that Cardiodave seed in come that any encounted is that cardinary in the previous will all field cardinary from a paral to help benefit down barries and anything that Cardiodave barries were apprecisioned and all field cardinary and the previous set all field cardinary and the barries barries and all field cardinary and the barries barries and the barries barries and the set of the set of the barries and the barries and the set of the set of the barries and the set of the and the set of the set of the barries and the set of the and the set of the set of the set of the and the set of the set of the set of the and the set of the set of the and the set of the set of the and the and the set of the and the

Religious insues may play a bigger role in thm in the Julian Electivery concerned about that possibility. Electrome feath-fol magazer insues: because religion can be so diverse I would be very uncomtratable in them suddenly became one of the principal ways to disseminate forms of relations conviction.

Locitarily think that fairly soon we well have a degree of these-chremiserusity in a normal chierra projection. That means you'll have at least an ofertient of threeto wethout having to as in an audorram with strange glasses on, as though you were autoethno.

There is one first leaded low to do. I anyone would let me—The Hanchbook of Notee Cenns as a massed i leaded state in it. God its give anything up to be able to prop around ble Charlest Laughton with only one eye and ring those catheoral balls and sing. What a part! What a lim has would be CD

ios cursi

### SISKEL ON EBERT

CONTINUED FROM PAGE 52

bacepts seaving out of control in manstream Holywood is whole burnet of Independent firms were recrimited this year for Costan? I here were open to get all sinds of strange and wonderful firms very som. We have the David Lond. We get near status of the patient of Back Were I minbering were on the update Just patients maps studies don't gather update webs-ass they are doing right new—so thewe aren't alternative thankers for nonthelywood films to be seen in

Bart: The consider and data would also would some Three is a low packed to reversion the user of print woll have classifies. Takada work down three is a low packed to reversion the low packed by a packed would be also be the source of the source and down to the three packed by the source of the low packed by the low packed by the source of the low packed by low packed by

One What subtrategues advances we have more the twenty-his operative Beet (we seen Brownow In the searchy minutes asystems is social before the most amounts of the search more than a mounts with the search means of the search of the search means of the search of the search means of the search of

Onvis-What cirectors do you most look forward to seeing in the future?

Exert I would norme just a fee. Geograp Mean, when mains I Ahmin. Saina Saidale men Akin. Cas: the dimension of Sal and Newsy and Akin. Cas: the dimension of Sal and Newsy young directors. Among existenced an account with Weary I have that any Sal account of the constrainty prevention and the sales of the sales of the sales Saled. David typic has contany power here as extractionary laters Weady Afer a short just into charge Sales. Weady and the sales of the sales of the sales. Weady Afer a short just into charge Sales. Weady and the sales of the sales of the sales of the sales. Weady and the sales of the sales of the sales of the sales and the sales of the sales of the sales. Weady and the sales of the sales of the sales of the sales. Weady and the sales of the sales of the sales of the sales of the sales and the sales of the sales of the sales of the sales of the sales and the sales of the sales of the sales of the sales of the sales and the sales of the Ing exciting subsects. Milos Formán atili takas takis. And Stephen Froats. who did My Beauthy Launderbar and has just ternited Prok (a) four bars—a manwabus tim about the life and death of the playwright. Job Chan—a superfilt befored.

Onvy Will there over be a kind of internal togol trade in movan?

Event, With the advantil of hear, chickpert decritologies, council of hear of hear of to make interna will begin producing him in all obscing possibility has chick in the morease hear hears hear hear of hear of hear search producing hear on the United hears. Japan becapit register of hear hear data the event is proportion of hear the data. That hears that when it specifies of the weath specifies on pair of the movies, guidge or lever is their country. This is poirs be change on a weat big aver-

Onvy These are predictors that computers and robots will one day be used as actors in familiare and that computers will symhosize famous deceased him stars to the sheight of their familiare. What do you famil?

Ebert That will be the day. That sounds like the very last thing in the world i would even want to see it in the future the technology does become available, there ought to be a line epsend if.

Basket In some of sechnology, we obtanetly wite backgroung retexture measure I dread the sky within Tillia and ring in a farsky watching a mone with a strong core, with an my lap, with lists of other people sympta building in valencies or chose me out or withows? Is a parmet, See the provide asymptete in flow-spacing a to saven i specific to be specified to the the backgroung on a provide as a schedule taken in the same anythergement i both watching taken in a skin both to wave

Overv. Will Seriel and Ebert be regelber in betwarty first contury?

Ebert Actually Implanning to collaborate with Sarah Sedeman on a computer-percertaid other of Gene Selver. I'm poing to program it to be a heck of a mos guy. I m looking forward to working with that clone for mony weres.

Ormy Withe show change in any way in the next century?

Ebert it surely will change once Seiderman gets to Selvel

Beak Coay Tim comp to eavy someting, the been drags of them the speed 1 dot't now whether will be to being the low weat here been ummighten the second second fact the stow ends, we will go of stow them to show ends, we will go of stow the to show ends, we will go of stow mas, skying. "Can you believe there is the right Brow and Canadinatoria of the tonght Brow and Canadinatoria of the size of the speed to the second second and will in earlier." In the of annexe What my the system is such as the size of the size of Broger and the size. The size of the size

### VISITATION

CONTINUED FROM MOR M

delicious linust is completed after millenria of delay

Then it slides from me in a fountain of my body's proes, and I fall backward

As the basacitul thing, choping injulia, is turned against Glaum, I glance at its wolder, at the whiteness of his lovely face. tatth clanched within f5 girl.

-Roger Zolazny

#### LORD OF HOSTS

When the Lapitone were less entries, use to faillation U-anise Green advances, let a use transmission to activitation (Saccess, let a use a strain the strain strain strain strain strain constraints) and the strain strain strain to assist all behaviors in the land point of the straints and the straints of the straints of the straints and the straints of the straints of the straints and the straints of the straints of the straints and the straints of the straints of the straints and the straints of the straints water at come of the straints water at come of the straints of the straints

When it didn't she sat down next to Mr Ledenberg. That shot ICU team was so taxy working on the they longot all about you, didn't they?"

"I don't know, he sead ciulidhing the Br ble to les chest. I seemed to leave my body, and then I work into a dark furmel and

"I know I know," Jarson said. "Youre dead."

"Where are wo?" he said

"Ny guess sith at it hear where where into the magae. It any beau has the KC waiing norm because of and/on nexn starts will be looked around at the weaking norm. Hears dath beyond the door to KC "Thate his place" and give the patient is family baid means."

But nows Mit Lederberg and TArd behav him shall be gathered at nations, and his shall be gathered at nations, from the goals. His openation the sheep from the goals. His openation the Bobe 1 found them in here After you saked me about them. The mitochoodra.

Dr. Jance sad wahng erm oftes dyng synapse word the Site acth Me Mi Jansherg any most die Site de date wahng som I wenn i the Me date dat Andamerkales. Die nakand hal dyng poelee wold deg to andrag Site hetste alb bergeg in i der affeten gest ein hal beer helding vir ofte date. Bu Mi Jane structure mediate bolget and Mi Jane structure mediate bolget and

"How can you believe man didn't wolve?" she had associ him the city after his heart attack even though he waant to cave being allowed visitors for fear they would cay something that might upset him. "Look at cells,"

"God created cells." he had said, topong the Bible. "It's all in here."

Are mitochootics in there is of Door the Bible engine will God weak orons as part of the out with a different DNA and BNA horn the said of of 16 obvious the mitochootics aren't even part of us Theyree a polaryotic collision of the coll and formed at in the evolution of the coll and formed a yettedee makeringle with it. I data you to find even one mention of mitochondhia in the Bible?

He hed started thurnbing through the Brble looking upset, and two clays later he had another beart attack and devi

First stage anoval gult Januathought "You lound mitochondite in the Bible?" she researd him.

In Garasia," he said. " "Thus the heavons and the earth were knicked, and all the host of them."

 The waiting roam began to take. The door to the ICU yawned
 blankly, but beside it there was a white fight. It became a man in a white robe. He spread he ams out, his hand open

"And this hold is the mitochandha?"

"Yes," They wandseed in the widemess in a solitary wand he is different both by the right way, hall they imply gots a city of he right way, hall they imply gots a city of he right way, hall they imply gots a city of war the said or lay is as Cross to Istanded in a sight the citacians man. While is thy reme? He answers Lagon: Doil'y ou set what their aver?"

It means that people hang on to harebraned ideas is death too Jance thought. No What down it mean?"

"That the Bible wasn't written for us It was within for form

"Dant be inflouious!" she snapped. "I hought God was supposed to be the God of everything."

The fish of the sea and the fowl of the air and every creeping filing? The milo chenchia are in everything '

Janice clutched her stethoscope Well, then He's cur Gott, too, because the mitechnologies are partie as

The Bible pays that on the day of sudpment God will separate the righteous from the unachteous and throw the unachteous into everysting torment. The sheep from the goals, What if the righteous are the mitochordina? They do unto others they love their resultants, this part as owner.

Vective give them a place to two: Janco said. It's a symbolic relationship. They can the without us: If there is such a thing as sternal life, and God gives all to the mitochordris, he has to give it to us, too Chevase, where would they live?

The waiting room began to fade. The door to KCU still strunded blackly, but beada it there was a white light. Well shark pockness? Jamee taed.

" Yand when you depart out of that house or city, shake off the dust of your feet." Mr Lederberg said

The white light was bluming his base legs somehow making them look like they were sheking. Sponteneous lading of the mem on wace, Jamos thought

The white light became a men in a white sober. He spread his arms out his hands open. Its my lather shouse are many manaons. The soul

Mit Ladietberg booled toward the ICU door He was looking at his hands. They were shaking too Na, nd shaking Warif, ing as I avery port, no every cell were jui motion. Tou couldn't were your mitocharotea, Janos thought, not without an electron revisione.

Janice looked down is her own hands Papidal generated italiochations, she thought despetately Hermitochondha be gen to come out.—Conne Wills

#### THE FABLE OF THE FARMER AND FOX

Once, so they say a certain people accoveral a teacher, no one invert whence But he seemed kindly and write and because he brought hindwidge of useful and as well as vectory high act moret principles, they made her welcome and he came to be considerably actimized.

Some of the rober tok intervens, pakars that anyone induced exart more influence than here, resolved to pose in question to then test be could not anyone. On a day, they walked for twin in the road with the possed by with those which road with road pointed said for the workt wave main cleaples, and one whom they had approximate whole good how them account for accinese and determiny for mere yeard death?

The teacher seed, 'God loves the whole creation.'

So where is this God you talk about so freely? they demanded

You may find God wheresonver you desets." The teacher said

We think little of that "they replect "Are we to honor the creator of plaque. The one who decreed that we must die and make our fresh a meet for worms?"

"Listen " the teacher said " and il shall show you why

There was (he soud) a farmar and he loved his land. He dug and sowed his fields and from them ted his tamity. On dates

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when certilemen a horsebeck passed in-

All that remained, save hosted vecetar bies was a fack of hers chefed by a

Sall they did turnesh eggs From wood and show he calibled poops for brooky

rushed by again, and when he checked

wate her mothers rapple sho whempered

it was his impulse to call back the hounds full and when he looked into her shiring eves he found his resolution warring. Out

Time came when eggs would not sufissense than his and pawed of the chickon-

Then came the sound of hunting horns again He said at length. If I turn you kosai the hoursts will kill you. If I give you my sily birds I mus from eggs, tait maybe that a because I depend on them to keep each by name I cannot say But do I not red form when I have to-fall them in sor I can now as that. I shall not love one chanks sets his hounds to eeting you he will love rether you nor them. Come, little youn! Choose your chicken!

The wash spoke He heard has clearly

heavy The hounds caught up and fore her checkers; pecking round a farmer clead of

We can make nothing of your foolish

"But we can ' sayd the common folk, and

nch sort ordered them to do but ruled their lives after the leaching of him who had so lately been a stranger —Joho Brunner

God leved for a month in Johnson City New York

The many Holy be the wast taken Beam, and the was severed variable of and on Social Security and a person this well, then may die and in pace, had clicit theo years before and issue india farely beem out of the house more. When Main was alws theyhait had Social Security (helds) alwy theyhait had Social Security (helds) alwy theyhait had social for the foreign was alwy they had they beam of the foreign was alwy they had they beam of the foreign was alwy they had they beam of the foreign was alwy they had they perform of the terms in the other next the window and counted the cent that beams day.

There was a load rap on the door 118 ma. Europe-lating in 1m early

Issac opened the door and there stood a dour-faced women holding absorw bag She was its. Meals on Wheels tady. She had a more thing, the working tai the govaniment. "Why don't you come in for a offhar?" Issac neeked, greedy for company

"I'm running," are said, but thanks to the invitation

And that was that

He brought the log back to he char, topic out the low temporarised which the photo of on the hand mere dean end table bases in min-He creates the package tood gave here a displayment he had there commande the working at the back in time commanders the working at the back in time to work the back has need to back in the back in the back has been and the present open - the working here backs on the present

Then the phone rang lisaso anewered e "Helo"

May I please speak to God?<sup>1</sup> It was a young voice Probably somebody's like from the neighborhood, playing trials isaac though

"No." lastic absoluted, and elemented the receiver adown on the catable. He got up to make some teeth test and get some suggehe atil used the cubes, which he tool to put between the climitary which he speed tay tee. But the phone samp again the answeed 4." Helio The sold.

"Look. I'm very sorty to bother you again. Could I please speak to God?"

I don't know what kind of a pise you're playing, so leave me atone or 11 call the poloe

Just as isage was about to stem the phone down, the caller asked, "Is the 777-33867"

It was but issue said "/minot grwing out any information

Please if the caller said if this isn't a joke Lessal speak to God if

But Isaac hung up the phone. This guy s

Some of the most-asked questions on air conditioning and heating systems.

> What are the advantages of buying a system with a high-efficiency rating?

How easy is it to install air conditioning in an older home?

if I have a gas furnace, how practical is it to install a heat pump system?

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> ERS TO THE M DUENTLY-ASK

when you put York quality to work for you."



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Officient and pour fore totololisis to at formations on house Lynna require time English Demonstraon house shared in particular spatiate real formation and an activity spatiate real



a seal rail case be thracht. How coshi he somebody else. Just my raten luok. He up his name "Geval! he said stunned

He was shaking as he turned to the Gis.

777-3386

ways; baaa: marvaled He lookod at the

Maybe fm just going crazy; he thought

Helio God piesse don't hang up I

"No of course not." the cafer existent

Toast find a job. Im broke, and Im in

isead said 'But you are you Jewish or

That s okay Go to church buy a new

lease hand up and trade terreal a cup

other man and actimodes and pray Cf.



AT IACK DANIEL'S DISTILLERY, these gentlemen make whiskey as their fathers before them did

There are dozens of men who work in our Hollow whose fathers have worked here too. That's good, because it means the elder hands

can pass their knowledge and skills to newer generations coming along. That's the way it's been since Mr. lack Daniel taught his nephew. Lem Motlow, how to make whiskey A sip, we believe, and you'll be glad we still set store in family tradition.

SMOOTH SIPPIN' TENNESSEE WHISK

Tennessee Walskry+20.90 Prost-Debilled and Rettled by Juck Denel Dobili

He even bought an answering machine

never seemed to stop ringing. These calls didn't make firmself known often. Everybody took advantage. So loaac began to became such drudgery. All first he would

warshit elley for an old man and picked up the receiver. What the hell do you won?? Call me in the morning. What do you \$176.

by the window and waited. He drank tepid

He began to worty. He had isused up who make it worthwhile for God to let man

He picked up the telephone directory

He was lasac Rosen, old man. again

Maybe he was getting a second chance

1 m calling to make a deal

"Look you re taking to God." Isaac said

coller isaci

or what? Isaac asked

No. I found it written on the wall in a

to make anwer/? later enked purpus

My aternal acul," the caller said

that I would take acmoone's soul away from

Then lease made himself is cup of iss

"That 5 my number" isaac said to tem self sudderly teeing like a person agent



No Wild, No Wildlife.

the la De wild can be pretty brands the se days. Without the residents

If guilt in Fages are septaced with roads



### THY STING

See theres a Catholin a Buddhist and enormous conference table members of

his satin skullcap and propping has elbows

"Lets hear the good news list Your ingrad clinic (if you could believe the Ruspeasant selling lea towels of herself as the

carrieon of Joseph State (there are white pleasure. Thin los and no mustache

round glasses up on his small Monoplan

valiciated cross indexed staterial from His

Mary Mag-

-dalore, of course

"How many children at domine?" Saon

I withdraw that remark. You would op-

to make you believe in prophecy

The Pope signe "The bad news is one s

Chi God, these he Data Lama who

Chi Godi cries he Date Lama who

## Ski with the Elite.

invitating Skilers appreciate the clean lance





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The Onality of Yearrolay. The Technology of Tomorrow-

ble from hen. "The list time as tragedy." creas the sad little Data Lamo, "and the second time as farce"

And there these other trive people see sheking from the sin under a rag strung on a stock and a length of nithy rope in the middle of an almost motoriles sold human missing in hotsis bloody dreat device Arica. There is white man, a block rear, and a winker man.

I led alle The yellow main in a worthig good learing (lake) from the Beirg Tabessen Control a pool who specializes in sevence reporting. That bit is how But he what man a actually a run, and photo work eachy who being a quadroor hom Mean nerved Seler Conception Ontic. And the lack main is calle a shaked a poolessen get The author argue while dhe lee perdecy all, all an her tack in the search shake oyse huge and passwe in a force We in dual.

"Keep your startung hands of this child," the run screams, "Bioodsuckers' Laws' Goddamm careps!"

The horizoniae man is sensing, The ground is do with skings and the sam drives to evaluating should of hard. Here the sensitive of post-sensitive should be represented post-sensitive should be down and the sensitive should be down and or underse water most the observation of the test functioners and down and or underse water most the down and or underse water in the mut. We should be the full be down and the sensitive should be down and the sensitive should be down and the down and down and

"Later, builtar, what makes you think &o is what's important here?" Her ass embraces the Why, muddy pikin of numb, silent, doornad human refuse "You're trying to kill their assis, you bastards."

"You're an educated woman" he begins again "How can you....?"

<sup>12</sup> Mid. Yourn pikisi Reductionel crac-You they that a science? The child's head is copped with a crown of wess-intermitting growtino-inclused calls in a insideated of insingtprocessors in the cooler option of the Chrosses Reyola when the mixes tech is choosing. Why not just cut the too off wid the technologies with a tech?

"You're defending a pasadigm that's dead and gone Sater Your trendy holism doesn't have a single veld integratie to intron recall. So you abuse us woked Communitor, the storm a child'a Ma."

Fock off ' She's is quite boads hereoff Let me toly you't ve machine digenet compositions that averal their attriving chape here tor feating, and what'y out or doing is exactly we take if it is so sing get the het boak to the read-user on any part have and turn out a two brans there instead. Then Conception site does all be much under the black relative and under site much beat

"Sister, we are taking the child into Addis Ababa under your religious superioris ex-18 CMM press instructions. I have shown you the documents Please stand aside and letime and ber into the which ?

"Those pricks "She dutches the child to her. "You're insend." she tells the man "Lysenko and all that Commis crap. My God."

"You cars! inherit someone else s mamones," the nun says through getted teets. "That's voodoo not sciance. There's not enouch DNA."

"Quartum nonlocatity, the Christee inbreas landly "Bell-Internet connectivity Revens transcription inform coding Notive seem our videochoos, Conception:" His taken sharpens "Bit hits child, of pound You can swallow popes and brith control and heaven and hell and matches and vir get briths, but you can't lace the one lagment of furth that makes it als usch a shart."

Shut up She puts the child sitem anche and wohs toward the Toyota. The purnish follows her, throws open the talgate They hear anonce

She's a rencerration of Him. Seter, and thefter Wehave all the preliminary process on disk. You ve seen the academy's provisional eveluation."

Thisfulli, A privey puppler? A test-centary carterizer? A policical opportune with his hand on the tel? Not test a found the his fact water test house any work first and alter after two housers dynamic? A user of worker? This have august for this is the optimizer and substantiater of the adverse? The hears august for the normality system subplement of the source dense work subplement for the substantiater of the memory were subplement to be possible them altern and the mest chromosome.

"He was special," the journalist says "He was larger than that."

Where? For the first ame Concepción looke at her and soos a human face. "Rouse a Chevetan?"

He shrugs "Help me move her

Jesus really fathered a child?"

"How else could His karman have passed into the cente pool?"

Gonographic weeks back binds to the small patch of shade. The gri is sitting for wald, regarding the The cown of electerics sansors has been brushed into the mud. The officies gazes slart, penetiating, and something more. It takes the name moment to definit that turnise date.

"You are both wrong," Jesus tells them and ness to Her Keit, ficals and bobs above the foul mud like a feather of light. "You are both right. Come follow Me."

The journalist utlets a loud ory and runs for his portabak.

Concepton's heart dutative She startbles one arm outstatished mid sucking at her shoes, and rises then, pops free from the entracod instrumed earth to acampte the a besidted apposite on the windwhipped surface of an ancest take in her Sawork unreaked taxe.

-Dames Brodenck DO

## EARTH

COVERPTED LIQON MADE 55

Quality Control Roard will decide later this year whether to set standards for selenum, salts, boxis, and molytolerum—just four of the 23 most intubrearies substances in subsurface dramate

The constraints of point here experiments and the term of the term of the term of the term of the here to be the term of the term of the term of the here to the term of the term of the term of the here to the term of the point in the term of term of the term of term of the term of the term of the term of the term of term of

No mether what standards are adopted, there is no profiles/area of the standards are dividually an another and the standards and pather to reduce the amount of pobled where the orienter the orientermann. Unless a safe and economical way is Stand for automotion depose of the occurrentwood where, serversi malan states of pather terms.

### CREDITS

4



### ACCELERATOR

CONTINUED FFICM PROE 66

them previde the two view upon which they beso their theories. Although the Fine Ying Plans and given high priority to accelerator construction they definit give high priority to the detector is like a beconfully made telescope with a present events.

So the Pussians sat there A huge number of ecoectingly intalligent, encoactingly well transic physicists had the best atom smasher in the world but could leal nebody about 4 and could find nothing with it.

And that was accelerator load number one. Well get to the others in a moment.

It's hand to by the Reason logan highorang payness have a leadminith Ared in allow, then second and very enzy mesosawprovide the reason of the second second second second second second second second second form in generging and release the second second form ingenerging and releases the second constraints of the second second second form ingenerging and second second second second second formation and the second second second second second formation second second second second second second second formation second second second second second second second formation second second second second second second second second formation second secon

But part of Russia's poor record in physics stoms from the ancient Russian tradition of hospitality

Utilit in chain construction cuuries ben pathor a having though 60 miles such of Mascaw Academics lass miles to be set of miles and the set of the set of the last mark and the set of the set of the restriction of set of the set of the common set of the set of the set of the common set of the set of the set of the common set of the set of the set of the common set of the set of the set of the common set of the set of the set of the common set of the set of the set of the common set of the set of the set of the common set of the set of set of the set of set of the set

The telecontrol world unchannels on solution is Service to the interference of the solution of the the solution of the solution of the solution of the the solution of the solution of the solution of the the solution of the solution of the solution of the the solution of the solution of the solution of the solution of the the solution of the of modern Moscow' says one physical

Voting solering solering time to the statem it they to a use it they are strategistic on them with to Proteins. Then they get strated a getes, which they trave to drew whenever intry orters a building. In the path free formalities were not conformed, but several wars age Western physicals, writing the law ware in their to Become who the three distributes and which the work that often is contrained which there would there.

Poherzo is officially designed as a closed of y indicación and advect lo soy, pop. Of to Moscok for the weekend waters were lever approach to go to Sinpultov without permission and rebody as advect to go out for a some term il you wanned to trave aentimatry cars, and alle a ferri milio your lipi tobpot da chabelpont. The Soviet Linno is the Land of No Joynson. And to intrag got data Wery aut

Fresh Tracahe you live in a city like Pro

Part of the problem is Russean hospitality. The Soviet Union is the Land of No Joynides. So things get duit Very duit. "You have to be a drunk to survive," says theoriet Vachmer Krean.

who The population is very small. Thereis nos theser. Nathing to watch on TV--there are only two chamnels. Each of which play mostly propaganda. Unless you're a workshole, what is to da?

Not have only one possibility—to visit your brends. And therein an old Russian tradeor of hexpatibility. If you was a third us, it is nagenegately it somethody comes with a bottle of vocility. And it somethody comes with a bottle of vocility. It's nagenegated not to direkt. And fryculations every day—well, you can maneted.

The physicide screatives divik. Freen sign: but the distribution at the distribution sober in fact isocologists into Sovetourentitic any of Aakdempanoka in Siberes band that an autounding Si percessifol the only population were incontexits. In that it merephanist is hast to keep things agoing a la poel level To make the maximum strukture. To beleven—netly beleves—the readings want batting

Soviet scientists are very able, and they adapt to the situation. "To get things done you can be an entirely clean parson, says another simple physicis, who doesn't want to be succed by fame." I'ld have to do everything according to the time. Typou want to build an accelerator you have to barbe people which is not always easy toold built you acjust. You learn how to get things down. Sover is createst which candruly, in naging what they can triple-checking everything doe and they produce good acted measurement.

When they can i do that here refey deap boot intractive experimit in identification of the location resolves experimit in identification most so to Western fixed as W unce time. Locations are provide at the Los Alemos labolatory went inden on the boot and indentification of the boot most invitation the boots are seen for the are reaction—are Daring the boot are to valid the boots and the boot of creating who and interain members of creating who and interain members of creating who and interain members down that are were softing on Resource to even the are were softing on Resource to even the are were softing on Resource to even the are were softing on Resource

And their brings us to accelerator leads numbers two and three. Which will in turn take us back to UNK.

In this discussion in Regin and Weight and State and Sta

This time the Facebara openy public could the work the testing accordination as well as their operation that it would be cover new lowns of animitative When it the raing work their on the assessment. It was well a constraint and according to according to the according to the assessment of the according to according to the according to the test machine is the according to the according to the set of the test according to the according to according to the according to the according to the according to according to the according to t

Dubins during the second servicing starting Works a much less powerful machine in Derekey come online in 1968 and a team of physicist these pointply discovered the anteprotein (the animater organizet of a protein), torwhich hey were soon awarded a Notein team.

But the Soviets were not to be outdone In 1967. The March anoversary of the Oc upper Revolution—the USSR for the find The weblet on the weble media over the formation of the theory of the formation of the form

With an extended accesses and state of the art identicials. The Soviet straid have been rifter categories and A levy easis and Bergulakov was corrinascient the works of high-energy physical was consulted by the sub-state physical was built and an extension of the second straight accession of the second straight the sitactivation of the second straight and secand straight and the weak instance of the second straight and the second straight and second in the second straight and second resources and energy categories controlled wave of matter and energy categories controlled second matter and energy categories controlled second matter and energy categories and second second physical physical based to be the time in the theory

But the experimental program had been set up before the Recordioans did then work. And in the Sowert Lines, you can't change something like that

The Russian base is two Year Plan be everyfreig even high-ceargy physics, age one Exatern bios resourcher "Their be realization is not possible as it is in he Weat," And to the scannafik all Sorpboware forced to sit on ther hands while her Western oblegues powel he the ory agin and worthe Notols.

And that was accelerator lead number two and accelerator lead number three

The contreponts of Erwin fuelt renary expressions the Instance to Theoretical Intel Experimental Physics of THE in Montow (The week burdless of THE in the Instance testing and the Instance and Instance Intel Neural To Carls Schwarz, and Schwarz, and Schwarz Uban Species I in the Instance Montowick (Dansen of Carls Schwarz, and Schwarz, and Schwarz Barnel Schwarz, Schwarz, and Schwarz, and Schwarz (Dansen) and Schwarz, and Schwarz (Dansen) and Schwarz, and Schwarz (Dansen) and

Doing things by the book hiss is a deadvarteges it may mean unnecessary delays it also has advantages in hal once emething is finally done it is done right and it continues operang. Once Pussiens build a piece of scientific equipment, hely get mote missige out of it than Americans do, the United Statisterios to dominite 64. accesses to accuse they are before the bettern the bugs are herely needs out. All takes Rasses candidates for here wolds will working. The early American canential working. The early American canbrance and the second second second second contractions of TEP accelerator has been consisting at one and a se model for both Begulatory and LMK. One of the instal our nuclear second as a model hereby and nuclears. Bio affords hereby basement of a buckling at the other end of the mature.

Now, ITEP is perhaps the most important center of thiotoscial physics in the Soed Linco Top day in TEP is to detection. I V Chuvie, an authentic were hard who who load arram at the age of innoteen in the battle of Salingrad. And sloves harm-offen lighted of the regin is solved in the rest body of the body who really push energy body effort accurd - with Reaction the Reaction the Solverimer.

Obviously you can there at he in a place when there a reactor in one building and an acceleration in the mast. Expectably if the place is in the middle of Moscow Boccuse of this the Moscow Fire Department function to kare on TEP II seems on the isoentation with the subdety one might expect from the Soviet Usion that gives the world well the Soviet Usion.

They are all powerful, says one ITEP expension who shall remain namelese Even the detector is helplass against them they make rules that you consult thematic

To used to be wood and we had to charge it to available. There is no matanchar for the set of th

"And when there is an actual fire the kind frequere supposed to do something about they are habilities."

He is referring to the post ITEP three shows White heppend was the Silo to observe that any properties of the Silo to observe that the second second second part heuries the missial when they part heuries they do I hings by he book. Boy of insplaces I have not a buy post Which I hav occessed any and the post Which I hav occessed heuries and the post of the I hav occessed heuries and the post of the I have that open when waters show the fight I loss owner a divide I have heuries (continen-

The fire truck sat in front of the gale for

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20 minutes while the physicists inside watched the expension go up in mote bentually somebody legisled out what was wrong, but in the meetime a bit of staff got burned up. Recause things got done by the book in the Soviet Lincol.

UNK has been done in the same way, by the book Plantano becam in the rank Skites, al

Hardward origin in the early sector at a sector of the when iteracial hardward wards the sector of the sector of the sector of the sector of the merge parents. - So there may ensure the merge parents. - So there may ensure the threatestate in the English by the Konze Enory Commission in a classical by wards and the sector of the secto

A year later, design group leader Aleksandr L. Mintz proclamed the correlation of a small proclamed the machine's controls and accessories. Just a timmore work, the said remained to be done before emand could be before.

The further work: however, we carred out with the speech of the Meason subwey appreciated. These passed in 1922 for measurements and the speech strain in the new approximation with the speech strain in the new speech strain is to pointed at wey high energy—half the designed energy of the speech strain from the Meason strain behaviorage at movie of the speech strain approach down in the pointed meason of a pointed to point the power to may stop approach down in the approximate.

The Fouriers take their monter being all bank to advanty proportions before in determined once meets to take the other proved takes the second take to a count for bank and the second takes to account for the forward takes the second takes to account for the forward takes the second takes to account for the forward takes the second takes to account for the forward takes the second takes to account for the forward takes the second takes to account for the forward takes the second takes to account for the forward takes the second takes to account for the second takes the second takes to account for the second takes the second takes to account for the second takes the second takes to account the indicated takes to take the second takes the indicated takes the second takes to account the indicated takes to account the second takes the indicated takes to account the indicated takes

Between 1973 and 1975 the Hussan de sign was upgraded and given a name UHK Then is was upgraded yet again to include supercools megnetic which are mere powerful and chapper to operate Arthe end under the able tubleger of Serpirity detector Water A Janos. UHK was much more powerful than ongradely de septed Network if was to be a colledaytize. DNA beam mischine, theil is instead of appeoring up particles and staining them into a single, it would than not beams into each other. The difference is the difference between a head-on heaviey accident and a car hitting a telephone pole. The head-on is mach make wolari.

Usin explorined to have locar targets The first in the exerts of parabox socketters, the Cathole Revolution Tardin-memorizing accelerator Merca (10 Mer Reg.). The condisional merca (10 Mer Reg.). The social merca (10 Mer Reg.). The condisional merca (10

 Fop dog in ITEP is its director, I. V. Chrunio, an authentic war hero. And above him—the high an Sowet physical high in Sowet physical science—is the Moscow Free Department 9

It which will free send helf the periodes into UNK Timp II and helf nits UNK Timp V. In their approximations will what about an opposite deectors until a computer intrivieted system sends them smatting into one excitive

At lest the USSP hoped to finah the machine before the end of the Eightees. All that remained were all the more design work. If a thereas final her date to the thereas

The passed The age of detents proted and started tay a life bit again. As UNIX's starting date geosted in the future. US physicilis sympathics with ther Soviet contequase physicility would get veas. Basain physicility would be with ther inertise in the infolways at interesting in soarific compresses about UNIX's prograds Conversions well be the

"Hey, what's happening with UNK?"

Soon soon Vague waving of hands Polling of eves

Displaying the same sorts of questions and giving the same sorts of answers. As Amencan accelerators grew bigger they cost more and were subject to ever more obsermint scrutiny and lencer deave. They top stopped working curk as well forminal has been to incuring to before a started operatory, and in large machine on Long label was exclusily start down in mitconstruction bocause of proteines with tai accelerators were not so furny anymous the have definition in furned the buostcrate gaps i Ladermin way. They any any head but where each on use

In the beginning of 1965 have decases and the minimal decay growth also informed for UAR's Unitle The Europeans and the Arrentzmerus, who uses a low-real degram to the the transmission of the transterior of the transmission of the transmission and down the transmission of the transmission method with the transmission of the transmission transmission and the transmission of the transmission with dimension advector between the transmission with dimension advector the transmission of the transmission of the transmission of the transmission with dimension the decays of the transmission of the decays of the transmission of the transmission of the decays of the transmission of the transmission of dimension of the transmission of the transmission of dimension of the transmission of the transmission of dimension of the transmission of the transmission of the decays of the transmission of the transmission of the transmission of dimension of the transmission of the transmission of the transmission of dimension of the transmission of the transmission of the transmission of dimension of the transmission of the

Today offer a full year of work, only about 2 of the 13 miles of tunnel have been dug, and not a wage a uperconducting impart has been built. UNK Ring II is supposed to be done in 1993. UNK Ring IV team! yet income the Villog whead.

Despite UNIX's distance point, services in the West and/or sporting One of the indito expansion tentered in working phere, Ak-Mo cosens of Argonieme National Laboratory, mady har netrational calar and tables of a large collaboration at Ferrinks, and Tentage bags, who was not does not fail the tabing observation and cosen rate fails from The appointed cosen rate fails from the The appointed cosen rate fails from the The appointed cosen rate fails from the tables tables on schedule in body of the paint fails on schedule in body of the any where balances.

Moreover, all a subsequent points of these in Western methods in the subsect in at well and and UWK. Borne U.S. physicials are promoting the deal of 20 min multiple and and UWK. Borne U.S. physicials are obtained approximate calculated the based of the extension of the subsect of the extension of the subsect of the rest of the subsect of the SUGMENT of the subsect of the

Therefore—or to US acontests parlates, and government of location wimuble, the accelerator that couldn't should be accelerated on the location of the physics world. The rest generation of elmetary particular, they want the physics should have be accelerated and the Soviet name. How would have accelerate table to rear of the bless of #Social Labor on? Caude be. And is world be a set day acceleration.

But when evaluating these warring ones it is well to remember one thing.

The battenes OO

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Next the INAGA will basically mi longer bas disting commonical polytakal to and hom orbit will do an expect to see private companies desping in to do this jub in addition to the big three assospace companess—General Dynemics, Matrim Manistra and McCommil Dugles—several amiliar toms are wrinking in bit to launching fuurness.

Une American Hocker, plans its first commercial founch by 1988. The rocket of charce is four-strigge expendable launch vehicle married Industrial Launch Vehicle One or ILV One Chine and an and a child of the phrase barrybing business paysated of two tons or less that need to be delivered to be barry orbit. "We want to become the Rodend Express of outler space" saws company penalated George A. Koopman. We want to be in the business of reliably delivering and letatum ing tot of annal peckages to and from othe".

Critics however pontout that the market for small payloads in low Earth orbit is unproved and that small learnthing compares the Koopmans must scenarible for Instruing — Deversition

About E will oblir About 88 million to sond a two fun psychold to low Earth orbu on LV One Contact James Bennett American Flocket Company, 947 Plytin Roed, Company, 947 Plytin Roed, Company, 64 83010-

### THE RUSSIANS' SUPERFILM

If protographics piccounts Mattive Biologi and Althed Singritic could be resurrected, free would find the tools of their trade changed beyond recognition. All third is, but one if the alther adde environ that sail constitutes the eleventhal informable between light and tem. But now societize all Morecows 3 Teotho histolattic have developed a subdritte

The Bower team decovered that bancers or passes beccme entraive is light that bancers or passes beccme entraive is light and the second second second and the second second second and the second second second second second second second tables based frim; the crystal second second second second tables and passes are unknown tables tables and tables based second second second photographic images can be provided descry berthand provided descry berthand provided descry berthand core based times can be developed in a pair or media without based and a menute second based based on the developed in a pair or media without based and a menute second based based and a menute without based and a menute second based based and a menute without based and a menute second based based and a menute second based based and a menute without based and a menute second based based based and a menute second based based and a menute second based and a debelower

Althe could be great for photographics (but he uit male whenes may be the bottle industry and its community the lancoine enclators with allow manuticchares to use storager dyas on their labora. maning that the life of the obthe mid thus of the clother themselves—with be greatly prolonged —Bill Javens Access The calman.

loscow

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### MALPRACTICE

One out of five physicitates will eventually be named in a malphatasi lawaut, according to Michael Ecidearity presentent of an unusual company declosted to helping diccore spot. Hisglowa pulser/fit Cabbol Physicitate & Alert (20), the Characa based

ore punktion serves allows its several thousand subsorbars in 52 blees to ball a toffine number to learn whether a patient has is heritary of chronic matipractice suits PN is not maan to be a blacklint but a medicine—whole malproo bee insurance premaris overage 850 030 per year They also come from the most legicus states—California. New York: Texas and Rande—which leve the most decless and not convolution laddes and not convolution lady the most lawyers

Access Cal Physicaria Alori at (312) 205 3601

### PRUSSIAN BLUE

In a bad week the U.S. food and Drug Administra ion may receive as many to 50 threats of food or trug tempering

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Most of PAis calls come tram physicians in high mak specialnes—obstetnos/ gymecslogy anesthesiology orthopedic suggery internal medicane and calcovercular



#### Scientists wever, may have und an answer to the

Term of terronesin Devid Horings assistent profession of characteristic and the son of characteristic and oped an additive to auril food or drugs—or even their packaging—brught. Pruse with the mission presence of cyande or au tescench progresses advothmer with Dearon.

metrory acceles or content of the transmission of transmi

-- Gregg Levoy Access For information call David Hongs at (206) 549 0713

### ANTICOPY CHIP

In the world of consumer electronics, it's been the general rule that new technologies and techniques provide the public with befor and read expensive products. This rule could be broken however if the motion-optume and tectoral indumes manage to persuade Congress to technology these pair piece of technology dhip the so-called anticopy dhip The chip, developed of



Technology Center, is settably a cascuit cleagned to prevent copying from specially encoded recontings. This ant copying system could provide the mover and record industries with a way to make a morumental location.

### two breakthrough

with this antecopying asystem memory powers in microso and records ballows they have found a way to control at home taping of the approaches they say depress them of neverues but one that has been uphead by the retext ocur:

Linkie part legnitative efforte winch called for unpopular taxes on tape and equipment to compeniate the movie and teccard complexes a bit mendeting and vices recontens would part the internative taxes on the movie workers.

Access To stave off this anticopy movement while to your senators and member of the House of Represental two today

### EGGS WITHOUT CHOLESTEROL

For everyone who toxes butter eggs and beef but who can take all the choiseterol theres now some good news Besenchers at the University of Wessens and the Phasex Corporation of Messencharetts are using a 100 vagr of biocossis called



ispectational fluid entimation to increave up to bit partiant of the interprisedencing cabelenand from theme defectables. They practical that within two years you'll be able to buy the facture at the anomary dece

The extraction process according to Well Knukonie of Phasex is already choreelers): best of all the ppopular double I charge the appopulation, consultancy, or savin of builter eggs, land or best salewi----produce researchers have all carby asket tested and aspenmented on Chaosa, mix and asket tested and aspenmented on Chaosa, mix and built carbon the on the way though to aut Congress and the EDA, asso Limiterativ



used in Europe to remove cafferre from topic (bit up agents from hops (bit up in beet) and oil from space in beet) and oil from space contained with the food at specific pressures and himperiatere to passed with the 21 Weiconein tood scientist Robert Brackey, the product sames may have to be changed Butter after all shit gots butter whout all th id—cforeant issues.

Access Call the Phasex Corporation (617) 794-8666

### RETINA

For several years human angineers have been hyna to divelap an officiaries and ton of the human eye. Now a group in Japan has come up with an electronic etma that uses sophesticated computer tach indegs to memo openic vition.

The rev davice reports three davids of data is a compart chan in which a layer of decorrison photoameters these the palace and the second photo photoameters these the palace and the second photo and a comparative memory segnals them the palace and the second photo and a segnal termitic palace and a segnal termitic photo and a segnal termitic photo and segnals that a segnal termitic photo and segnals that as a segnal termitic photo and the segnal segnal termitic the termitic second second segnals terminic as the second segnal terminic second second segnals terminic second seco

Access Prototypes expected by 1990

## J&B PRESENTS QWERTYCRYPT II

ACTINICEMENT.

Mark Twam not only wrote nisout advertures, he hvad one when he became the first abook memory of the the the abook memory of the the metry produced in 1874, ware a Reemayten, and the book was The Adventures of Som Sensyer, published in 1876 What, we would, would Mark Twam thus now that addison are beginning to ank for material on distanted

But even today's computer follow the same keyboard pattern set by that that Remington. The system, known as the QWERTY. is named for the letters in the top row, and it survives perodic attempts to change it.

The message at right shows a Mark Twan quote as it was written by a touch typest Unfortunately, he set hus hands in the wrong "start" position and didn't realize it until he locked back to the computer acregin and haw what he had written. Can you decode the message? Look for the solution to this puzzle next month in Owne

#### 8

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# GAMES

By Sect Monts

Well the writtens have



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5 ourses = 1 hexatisse —Saphria Griffin Portales, NM

one-eyed man is king, does fhis make one-eyed jacka wild?

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The enormous alian kept staring at me with her 10<sup>500</sup> optical ennecty organs she had been making goo goly eyes at me all day Starbase C metales

-Stephenic Linkhosa Roswell NM

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-Barbaha Price, Las Vecras

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 H Bakey Donest England To meeture the path of a ghost who haufts your block calculate the square route of minus one

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-John Brummage Lindachsalt, NY Pho sale at which a classage gereads throsigh a correlisfed the speed of bloth

 Davis Baker Convers, GA When I wale up this writer maching, the weatherman sad if wale 10 depress 1 was so cold if thought all 10 were inny becktorn.

-Kenn Howard Pitaburgh took a sip of thet gola. It contains one calone per can Minimy luck. I gol 6.

---Randy Berman, Peoria II I'm neither fall not simil --wst Fahranhot

--Patrick MscAulay Grand Rapids Idditional honorable menoms. Junel Masca Arington Vi Ben Gotteb MicLion A Chris Boyle Borke A Chris Boyle Borke A Vitales Swardz San Jacob, Rox Smith, Tacoma

#### MEGAMEANING CUI2

Can you determine the measurament injurvalents for these reactor entries?

1 1000 beens served at a Twins baseball game (Jall Martinson)

2 The risks of an igloois prounfecence to its diameter (Careo Bracav)

3: 2.4 statutio miles of intravensus surgical tubing at Yale University Hospital Rucuse Jacksoné

4. 2,000 pounds of Chenase state

5 10 \* mouthwashes (4 and 5 Janet Massad)

6 This speed of a tortoise treaking the sound barrier (Scott Martinian)

7 8 cathsh (L. Giordano) 6 The length of Irne & bies to said 220 yards 4 you're traveling at one nautor

9 395 days of drinking low-calone beer because it a loss Mino (Joe Scassero)

10 19 5 feet in the Twlight. Zone

11 The force required to accelerate 2.2 pounds of cooless one mater per second (10 and 11 Chins Doyle).

 12. 1/2 large intestime
 13. 10-F movies (12 and 13. Rex Smith)

14 A thousand pains 15 One word [14 and 15 Intern Securit]

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### The Mysteries of Mind



### THE TWO WORLDS WE LIVE IN

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### This Free Book

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### INTERVIEW

CONTINUED FROM MORE BE

trolans—and white Austalians as well as abovigness have succurritical to it. Vanous alcholicinabilitation programmers have basen started, bui have welly wolls. Alcholis a a marker of human destruction. During the time a society is suffering challings leptosality destructive change, it will be marked by alcholarem of the equivalent

Others: Performs once said that all societies differ in the way they regard death. What is unique in the aborigine view?

Winnet: For a primitive piecpie, aborganes were asceptionally concerned with acceraring the specific causes of data. Bo have chean had complex postmotions on postelly when a system percent or one in the prime of the data. The accertance or one in the prime of the data. The accertance or one in the prime of the data. The accertance or one in the prime of the data in the accertance of the percenshowed no physical signs of harm, such as a space hold.

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A determinant, all and the main an annual sector of the se

Onnel It is not uncommon to portray you as a man between two worlds

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Onnel Can you give us a vision of whet is best and most beautiful in both works? Witner: All of us contribute to the with we

are Adorgrant accented close to making development manufactures of the wells, the mean of the structures of the wells, the mean of the structures of the



CONTINUED FROM PAGE 24

One Salyul mission was desupted after a cosmonaut became nervous and intable—the result of having taken too many design outs to each up on too seen.

By the circl of the fight the cosmonists, were slowed 12 hours is due to alway ninker than the usak light. The Soviet fourt there cover had fever problems when cosmonauta attained to a normal 24 hour school us synchronized to Noscow in day light were awaive churg Moscow is day light hours and alaged than it was much there.) Problems in the crew's efficiency ensued when werk actuation as stread there the

Not everyone favore a 24-hour day in which every astronaut elergis at inght Graeber behavauitis patintocpractical." For economic reasons alone, we have to look at the possibility of shift achecules. And what if there is an empracency? I to adva

What load of schedule of sould we use? The US New years submarray oreas on an Si-hour day, work obtain in three inform white that also meetigating this, chrosoholday, experts fourd the schedule to guiding. The work to adhpt to "own" a schedule that a histeric to adhpt to "own" Or Charles Caradea, detector of the Neunerdocrate Late intraads Registern and Wommen in hogated. This the expression (in forms of et alg.) of twing to Parts every day adds Moore Life.

He and Convert thirk the problems of scheduling sleep in their built for intermenatives. They we already the invest factor nuclear to the approximarower prior controls for approximation of the scheduling should be already and three websits to allow tooly obtain software scheduling approximation of the software tools for a scheduling should be software tools for a scheduling scheduling should be software tools for a scheduling schedu

And one way to keep an astronautis bobgreat clock on a scheduler ato use specall gins. Cossion was able to connect one petient is capadian rhydmitby exposing her to four hours of full-spectrum 4-consection lednice seek in plott before before.

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Dations Note: Anyone intervented on the pair somal responses of alterpairy and receiving in Specie can order a copy of a tape data year by withinsid altiflay hollman oberg a 1900 shade respect Seried 28.03 (obeca) or honory order) for the taper and a papadeak datay terretoria (VCDV2)

### The first VCR that can bring "As The World Turns" to an instant halt.



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Kanke 3247 and 5294 are trobersinks of Eastenan Rodak Co. Separature Color is whody separate from the manufacturer. Process 32, N II



# LAST WORD

#### By Mike Wilkins

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