


EDITOR
WAHT DAUGHBRTY

# ASSISTANI BDITORS: DURNARD BERRY <br> VIRGIIIA LANEX 

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2017T2NTS
COVER .................Bud Míllos ...... 2

ZDITORIAI


ROCKETORS LSJ . . . . . . . . . . . . . 8

OOHTTSH
...0. . . . . . ce.Dick Wilson 9

VON ITALSETVG ...............ud .11lcr ....... 21

ZTATM GROL CTE FLSI

HORPOR OUT OB A MNSSLAO ........W J D . . . . . 20

RHYMB DOESA th FAY ........WMH Hoss ..... 21


WJST IT 33 EOCNBTS $\qquad$ .... Troomori P6

FO1 i,hoso shtorected yo ofde amacre is put oxt in tif at
 walt until Iget conmerto on the monesent cony... Denoncis
 I, nos J. of tho Fociom?, As I ari tryinis to puan sent something now in the wely or a fan marezine to science fictionists I shall not start, of the editorial. in the usuat anner by saying that to get the pub, out on tine was impossible and the roeson win it wasn't is that I oni inally sot up the duruny for 72 charaoters to the Ine when oux mimeograph vill only prjnit 70; Rosult: rem sot ontire dummy.

As you lenow the main policy of the mag is to print a fact article and a fiction article around a part or the whole on the fact article. In this issue I have covered the Tomb of King Tut-Ankh-Amen in a brice form, around this fact article I have written "Death From The Pasti, a hilnminlin seraj-wierd story of rather unusual. Ienghth for Lewvemo fan publication.

Another point of the policy was to dedicate a $f$ each issue to some topic. The mgyptian idea seems io fit with our article and so you have the result. The second issue, snould thore bo any writton cmphasis or a dosire foc a second one vill pronamty be a Frehistoric Issue, stops up in this isare vitin a timely articic on Ronketo Stove Leborarls somi-antiole on the andjoct of spece travol his risst attompt at soicnce fiction writing. His subject is onc 01. a naturo to ho aereed and disngrood uron and I'tu suno ho will bo elad to hear your eommate.
"Fisturia in a Roarse" is tho result of a nightmera i had a fow nights ago, Woll, anymy, tha romutse are tho samo, No hard foclu ints -- I HOPE --

The art work or hhis iesue is tho posuld of the labors of Bud ifiller, Steve Leberer, rilton mowistle, and myscle I can't givo jou fellows Bok, or Kripa but I think ours will stand up as protty gond amatour work. I've triod to prove that tho old sayine; ir You an't do fine-line work on a stencili is all wronge In tho caso of Mr Jntwistle:s work its'a sheme thet, his drawings cannot bo roprom duced in a finor mannor, as his work is in my opinion, in tho aarco class with the top~noteh artistis.
I. want to take this opportunity to thank tho mombers of tho I $A$ Ghator for their raluablo advice and for tho timo thoy have so goriorously given to make the Roclor possible.

One last point; My mail box is big as all got out and I got As in school for reading onnmehonsion, so sund along your criticisms as soon as possible Let me know what you think of the policy, tho ad s, the authors and artictis, end tho lajoout. Till. I hoar fieni jou I shall remain-


Tut-Ankh-Amen was a young noble who married the third daughter of the "heretic" Ankhenaten, who flouted the Egyptian priesthood by moving his capital from Thebes to Tel-el-Amarna and changing the state religion from the worship of the Theban sun god (Amen) to that of the supreme sun god (Aten). When Tut-Ankh-Aten succeeded, somewhat unoxpectantly, to the throne, he recanted from the faith of his father-in-law, moved his capital back to Thebes and changed his name to Tut-Ankh-Amen. His reign was short. His queen was left a young widow. But she was so successful in burying her first husband that he remained unfound amoung his funerary trappings until he, the last of the Pharoahs unaccounted for, turned up as the wonder boy of modern archaeology, inside the first intact royal tomb chamber ever found in Egypt.

Theodore Davis, an American, held his concession in Egypt from 1982 until it reverted to the Government in 1914 at which time it was secured by Lord Carnovan and Howard Carter. They knew the tomb had to be somewhere in the valley of the kings, but for six long years their labors were unrewarded It was to be their final season, and like Davis they were ready to admit defeat.

On November 4,1922, there canc to light a step cut in the rock. It was only 13 fect below the entrance to the tomb of Ramsos VI, who, as we now know died about 1157 B. C., cut his tomb where it is, not knowing the existance of the tomb of Tut-Ankh-Amen, who had been buried 201 years cariier. At the bottom of 16 steps, Carter came upon a door with nameless soals, but there was also a wellknown necropolis seal bearing the
jackal and nine captivos. Had Carter examind a few inches below tho nccropolis seal he world have found tho scal bearing the name of唯..Ankh..Amen, but he hurriedly filled in the aops and rushed off th cablc Carnovan in EnQiand the message that swept the world, with fin, into a forvor of excitment; "At last havo mado a wondorful discovery in Vallcy;a nagnificont tomb with scals intact; rocovored samo for your arrival; congratulations." He securcd also as soon as possiblo the holp of ifaco and Burton from tho staif of the Motropolitan Museum, and tho lato Breasted of the city of Chicago.

On November 26, a sccond doomway was
 found, thirty fect bolow the first. Carter polcod a holc and with a candle took the first glimpse; then with an oloctric torch Cariovan had to contont hinself with ono glimpso. But it had boen enough. Eoth mon wont crazy with joy, and the world followod them.

Tut-Ankh-Amen was lucky to avoid discovery until real archacolog. ical science was oblc to handic him and his troasures. Fifty yoars ago his tomb would havo beon plundored; the gold and gems would have beon hirghly diponced and widoly disporsod. A hundred yoars ago the bost ciforts of oxcavators at that time would have failod dismally, tradgicly indocd, to proscrvo tho boautiful fragilitios or many of the cxquisitc articles, for the archocologists had not yet learned how to moasure, to photograph, to record, to intorporatc, and to proscrve all at the same time.

Tho world has not stoppod marvoling at the magnificent mass of tunhled houschold articles. They sre stupificd by their profusion of richncss and artistry not only thosc first intrudors upon throo thousond. yoars of Pharoahonic privacy, but that still tonguo-tic ovory visitor to the Cairo Muscum. The sarcophagus of pink granite, the马ildod beds, the wnlking sticks with cruvcd handles of altcrnato ébony hoads of Ethiops and ivory hoods of Caucasionscaptives, the glut of gold and gons, mado "King Tuti tho rosurroctod "son of tho sun "a houschold word.

Inside the store chambor and facing the door, his paws boroly pro trudig from a shawl ovor his jackal figuro, crauched Anubis, tho ovorvigilant god of tho doad. Noer by stood troasuro chosts rull of porm sonal jewelry for the Pharonhs usc in the after-Iifc bcyond his tomb. His writing matcrials and pallotes, his hunting, chariots and decoratcd bow-aases for usc in futuro hunts, tho fully rigeca barques in which the king would accompany tho groat sun god across the sky and back bem low the world through pitch-black cavorns to the noxt day's starting point: these and scores, yos hundrods, of othor objccts appropriato to Pharoahonic burial lay scattored about in odec coniutsion.

At the back of anothor chember stood tho gildod, carvod shrine in Which were four jars with the viscora of the doad Tut-Ankh-Anch woro deposited. Boforo the bocutifully docorntod focos of tho shrino stood likc gardian angols, lovoly stotuuttos of tho tutolary godacssos Isis, Nepthys, Selkit, and IVuth. Thcy faco the shrino and stand rith outw strcached ams in upright lovelinoss. above tho hoed of each is a row of fourtoen gilded solar cobre honds. From tho top of tho canopy riso on each side 13 othor largo cobras, tho hoad of oach sumountod by the ovor present sun disk.

When finally Tut-Ankh-Amen's mumy was unwrapped, for the firsttho tho ritual known from the "Rook of the Dead" was examplified in all of it?'s complexity. Royal mumies were wrapped in a manner to sym doitize Usiris, the god of the dead. As the linen bandages, the necassary sheets and pads were romoved from Tut-Ankh-Amen's murmy 143 Gnioes of jewelry of various roligious import were discovorod. On his Mocer werc found 5 gold collars and a rosin scarab all hung with gola iro. In tho sixth and eighth layors ef linen were found a gold dagger in its bolt. Over the thighs and shins were the coremonial aprons, a sheath with iron aagger, an anirlct, the Buto serpent, and the Nokhebet vulture; in the cleventh and twelvth layors of the bandages were tho Khepor beetles, the Uzat eye, tho solar hawk, and the Lunar cresont. Braclots covered the mumics arms from tho wrist to the olbow. The most beautiful of the peices of jowrelry was the gold poctoral roprosenting the bird that was the spirit of the king. Its outstreached wings woro inlaid with turquiose, camclian, and Lapis Lazulc. Tho collar of the Mekhebet is a flexiblo poctoral of indescribable boauty. It has the form of a vulture whose outspread wines covored Tut-Ankh-Amen's chost.
 225 gold plequos inlaid with somi•procious stonos composo tho outshread wings. Red jasper prodominatos on all of the five pectorals on Tut-Ankh-Amen's mumily, probably tho most wondorful is that of the thro Thoper beetles, which support solar and lumar diska, and heng from ton strings of gold becds suspendod from a claspo abovo an inscribod cartouche of the ling.

Tho fourth room to bo cloarod (1927-1928) was piled six feet high in topsy- tervincss, a norfoct oxample oftthe way the Egyptians arrang ed their funcrary thing's. Anoung the othor things was tho king's thrm ono. Its front pancl depicts Tut-Ankh-Amon and his consort Ankhsonamon standing and facing cach othor. Thoy aro drossed in the court costume, but as if at a floral foto both woar gnrlands and collars of flowors, and tho young quoon hands to Tut-Ankli-Anon a bouquot of papyrus and lotus blossoms. Cartor calls this pencl the riunsigned work of a master --A bonvenuto Collini of tho period, and porhaps the finest example of Thoban art work in anoung this hoard of art treasurcs A nest of anthropoid coffins, the outormost
 heing 30 inches long, was found. Inside the second coffin was a smaller coffin of wools, 袁 inchos long inside of which was a tiny cotitin that had on it tho titlos and names of Quocn Nofortiti, the moth-or-in-law of Tut-Ankh-Anen. Inside the thnormost tiny coficing five inchos long was a lock of Nofortiti:s hair,

Important also, as aro the objocts of art, is a small wood chost which has sixtoon small ritum al implinonts, cloarly models, not roal tools of iron fixed in rcdwood handes. In addition th these sixtoon moduls, on amulet, hoadrest of iron, was

Found under the head of Tut~Ankh-Amon and most interesting of all, a dagger with a gold haft and rock crystal knob hoad, which was on tho thigh of King Tut-Ankh-Amen's mummy, has a blRide of iron that stillis bright and has the appearance of stol.

Late in 1928 sovornl black woodon chests with vaulted lids wore open od. In them wore portrait statuettes of Tut-Ankh-Amen about fiftoon inches in height. These so-callod shawabtys or ustabi ) were to substitute for the king in the lower world, should he bo called upon to do any hard work or as the text from the Book of the Doad has it " oven as amman is bound to cultivate the fields, to flood the moadows, or to carry sand of the oast to the west." These statuettes are important because they arc simular to the deceased Tut-Ankh-Amen, booauso they show the correct Osiric mumifim cation in linen, with the hands cropsscd and holding the flail and crozeier, and, particularly because with each statue was a complete sot, in copper or blue facnce, of model vosscls and implements for agricultural work in the future world.

The fineness of technique, tho lavishness of gems and gold, the unique designs, the brilliance of color, and tho tout ensemble of Phew rochonic tomb display is almost incrodiblo.

Thor are four rooms in tho tomb. The inst has boon called the anto-chombor. There vas found a vast profusion of beautiful objects Beyond it to the loft is tho annox. At the end of tho anto-chambor, to tho right, is tho sopulchral hall, whore tho groat Gilt Shrine (ll by Il by 9 Pct) was found and to its right, and oxtonding backwards to tho cntronco passneg, is tho store charabcr, in which was the cobracornice shrino containing tho viscora jars.

Such a splonded find raised mane difficulties. A rider to tho oxcavation agromont says tho objects in an untouched tomb go to the Cairo Iusoun; othcroiso tho finds are to bo divided in hale. Dxaminations of tin sunls showed that a their or thoivos had untored the tomb for it had boon soalod again by tho inspectors of Rondos IX. In tho two outer chambers tho objects were in soncrmat of a confusion. There being no inventory, however of all tho objects it is easy to see why a question might arise ovor whothor on object and boon touched. it any rate, Egypt claimed the untixo contents or tho tomb.

Ryt off the bat 1 bliev I betr'd say "rocketor" is no arbitrary respelling of myn of the term "rocketeer" with wich we have bcom tamiliar thry our perusal of science tiction. It seems while our Hamiltons \& V/msons with their Capt futures \& Legionaires have been popularizing "rocketeer" in tiction, those of the sober side of the science of space-flite have devised their own description, "rocketor".
Rockztors, represented in USA by the American Rocket soc tor The Rocketors, represented in USA by the American Rocket Sociy, for a decade now have publisht a journal devoted to recording the developments in man's most audacious dream, the Conquest of Space. This organ apears today as a small-size, well-printed, pictorial publication of 16 slick-paper pgs, securable thru support of the Soc'y as an Associate Member at $\$ 3$ a yr. I am such an AMi of the ARS, \& while it is not the purpose of this article to propagandize tor this organization, there can be no dout but what it is a standout example of an effort to concretize the desire of every sttan--a rocket successtully launcht to our satellite, luna, firstep in the exploration of the sollar system \& etherships spanning the spacewavs to the starst--\&, as such, is a worthy enterorise to subsidize...

The purpose of this article is to acquaint the unintormd tan with the contributions by science tiction authors to be found in "Astronautics": "Gawain Edwards" authord the bk "Earth-Tube", ix popular " "Jupititer" storys in Gernsback Wonder, has had articles with such titles as "History of the First Als Rocket, kecent Worldwide Advances in Rocketry, Rocketry's \#l Man IDr Goddardl, Pietorial Hi-lites of Rocketry, \& Conquest of space by kocket".
WS, wrote of "The kocket \& David Lasser, one-time Managing Editor of in 132.
 then told, between them, of "Getting Away from the Earth, Mechanics ot kocket Flite, External Alds to Rocket Flite, \& Landing the Spaceship"...

No article about rocketry woud be camplete, of corse, wi thout mention of its inter-natll authority, Willy Ley, author of innumerable rocket orticles in the stf mags' science sections, \& several rocketrvarns under the seudanym "Robt Willey". Hzer Ley's name, incidently, is pronounced Vee'lee Lay.l "The Story of European Rocketry, On Rockets \& Their History, \& Chronological Hisfory of the Rocket" are a tew of his fact-articles in the ARS periodical.

Even Nat Schachner has apeard in "Astronautics": "Can Man Exist
er planets "! on Ofher planets!! Can man Exist While CPMason LEpaminandas Thuevdides Snooks, Dr of Terrestrial Gravifationl told of "principles of Interplanetary Navigation", Peter van Dresser liplum Dut " \& of her space-storys in American Boyi wrote of "Cosmecology" \& the Rockzt, Previewing the Aerological Rocket" etc, \& Lemkin "The Eclipse Special" etel: "Rocket Fuels \& Their Possibilitys".
to write "kequiem" because he "t was not ditticult for Robt Heinlein $\$ 10$ bet made many yrs a it was the hero; on altho he will asc o still tully bellieves in its eventual accomplishment. \& so dól.

## 'OOFISH' <br> by <br> dick wilson

Little Joey crawled about in the back yard amoung the hedges, sighting occasionally along the barrel of his rocket pistol and going "Bing" He also went "Zap-zap" and "Barooom". He was happy.

Suddenly he wriegled around the corner of a bush and came face to face with a pair of boots. The face on one boot was that of Flash Gordon, and on the other, that of Buck (Anthony) Rogers.
"Hello;" said Joey.
"Hramm," said the boots. "Aren't you a bit old for that sort of thing? "
"Nah," said Joey. " I'm a scionce fiction fan."
"Realiy?" The boots raised their eyebrows. "How interesting. Do the writings of Henry Kuttner appeal strongly to you? "
"Blam!" went Joey, polishing off a martian. " Kuttner? No. I don't go in for the blood and thunder type. I prefer the psychological sort of stuff that Binder does."
" I like Eando myself. He and Dick Calkins, I think, represent the peak of perfection in fantastic literature. "
" lily idea exactly."
"Say, by the way, how would you like to go on a bit of a jaunt to our Lunar neihbor. I have my spaceship just outside."
"That I doubt," said Jocy. "Strongly. "
" I swear it," said the boots, " by Almiehty chu. I give you my word --- Cross my heart. Listen." He raised his voice:"Hey Ambrose"
 Iic rattle from the strect.
" Hurry up, will you?" queried the rattle "there's a cop out here putting chalk-marks on my tires. He tickles." " You see?" said the boots. "Convinced?" " Passably. Althoueh my old man sounds like that sometimes when he gets plastered." He vanished into the house. "Be right back,"he said " Soon's I get a sandwich."

The boots squattod on the grass, removed a lipstick from his pocket and recarrined the lips of Flash arid Anthony, then reached up and wrote "Joey lovos Judy" on tho white side of th house.

Five minutes later Joey reappeared, and the two soon seated themsolves in Ambrose.
cute later they were high in the air over Brooklyn.
Suddenly Joey brandished his weapon, yelled "Martian" and pulled the trigger, demolishing the controlling apparatus.
"I shouldn't have done that, were I you," said the boots, leanback in his seat and lighting a cigarette. "On account of how we II all be smashed to H-N-. it

Ard so they were, landing smack in the center of Eastern Parkway and tying up traffic for two hours.

TIIE IND (Thank Gosh )


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## B4 WALT DAUGHERTY

Out of the shadows of the past, therc gleans a light exemplified in Hilton's " Lost Horizon ". Fron the secretive bed of mother earth comes forth a story of the past, dazzling in its brilliance of treasure, enlightning in its historical background, but more interesting is the underlieing veil of mystery which prevails above all when one hears of the tomb of Tut-Ankh-Arien. Being an archaeologist of little note, I am still so sciontifically versed as to lay small credulity to the story I am about to unfold, however under the circumstances, receiving the story in the manner in which I did, I believe it necessary to print it in one form or another. My publishors positivcly refused to do so, doclaring that what little roputation I had gained, would be entircly lost if I signed my name to such a fantastic lot of rubbish. I have turned to science fiction as my only hope. Read it over and compare it with fact and I believe you will stop and consider it several tinos before you cast it aside as a " lot of fantastic rubbish".

It all started in a small cabas, comparablo with our $U$. S. slum cafos, on a back strect in the native costion of Cairo, Egypt. Having been given the position of supcrvisor of the loading of artifacts recovered by my suporiors of the Metropolitan 1Huseurn on the Amorica bound boat, I found mysclf, durine ny spare momonts, greatly attracted by this nomadic soction of the Egyptian metropolis. I was much as I hate to admit to my culturcd side, giviking, open mouthed at the disreputable looking intorior of the aforomontioned cabas whon my eyos focuscd upon a tablc covorod with a small profusion of funcrary scarabs and amulots, my practisod oyos assurine mo oir their authenticity. Scated at the table scanning the artifacts was a man of perhaps forty-fivo or fifty. His age was hard to ascertain as he was covered with a mingling of doscrt mud and Nilo sand to that point where it would bo hard for cven a closo fricnd to rocognize him. However, the cut of his clothes was my main point of assumption. Ho wore close fitting, well-shaped English riding trouscrs with officor's dross boots of finc grain. Though badly worn from sevoro use, they were still well topped. Most noticablo of all was tho jackot he wore that hung, though badly tatcrod, from his shoulders in welltailored lines. Rich threads of silk show through the dust cover ing his upper left hand pocket, rovealing a crest of high BritishNobility. A tropical pith helmet lay on the chair besido hin, alnost a dark tan, donotine a great doal of usc undor the dosort sun.

I don't know whether it was curiosity regarding the character or the dosirc to purchase a fov of thoso artifacts for ray own private collection that pushed me straicht over to his table. But, whatover my motive, the mannor in which I appronchod him was far from what my Aracrican friends would call ethical. I walkod directly to his table, reached out and rcmoved his holmet to a convenient spot on the table covoring, and plantod myself in its place, casting him a well coined Amcricon phrase.
"Well, fancy nceting you horc.
With a startled look that secmed to mirror a trace of fear, he grabbed his head peice and startod to throw his minute treasures in it, much the same as if ho would have to fight to retain then, How. ever, after grappling with two insufficiont handfuls, ho socmod to regaín a suadon control oi himsclf. Ho lot tho articios gontly slip

14
to the table and slid back into his chair, changing his expression to an embarrassed and apologetic grin which only helped to outline a careworn face.
"I'm sorry," he asserted, " but an Ainerican was the least person in the world I was expecting."

Awakening to the foct that I had thrown myself so abruptly into his presence, I too grinned and tried to right my crudeness with an apology.
"Really, I am sorry to have intruded so sudden-like. The..ah ... The amulets you have attracted my attention to such an extent as to make rae forget myself, I'm afraid.../h....They are very rare, are they not? "
" You are very obscrving, my lad. Yes, I imagine they would en~ hance the collection of an archaeologist of your standing. Though, without their story, they would be of little use to an anthropologist. I have hopes of disbursing of thom to obtain enough money to continue my work here in Egypt."

I started to make some inquiry regarding his work, when another question arose in my mind which I cautioned him with.
"Say, how did you know I was an American, and what do you know about my archneological standing? "
"Son, I've spent over fiftcen yeers here vrith my work, and during that stay, I've seon many young hopofuls come and go. You are so typical of that group, that it would be well worth a good laugh; were it not for the fact that I have problems, immediate problers, which are far too pressine to allow time for idle humor. I must run along nov,.....Oh....hcre, this small scarab ought to give you opportunity for a little study. Goodbyo, my boy..."

Still in a schoolboy daze, I sat staring at tho scarab as the Englishman arose with his hatrul of talismen and headed for the door that opened onto the street, only to be knocked aside by an inrushing figure, dressed simular to mysclf.
"Jin! Jim! Do you realizo that your supposed to be at the docks? Dr Rouder has veon dow there waiting for you for over an hour. How do you suppose its going to look on that report that goes home? ' James Williams Stovenson Jr., 1 hour latc' and besidos they've brought back tho most valuablc picces that wo iro to ship. Como on boy! Lets go." It was Frod Nicholson, a stowart from our ship who had appointod hirasolf as my official watchor, as ho knew my work on this trip was being corefully chocked in vicw of future cxpeditionary work for tho Metropolitan.

I loaped to my fect without a word, and stuffing the scarab into my shirt pocket, I made a boc-linc for tho door, only to find mysclf confrontod with my bodragglod English acquaintanco and a query
$"$ Did I hoar your nimo ns Jomos Williams Stovonson Jr.?"
"Yes. Thy? "
"Arc you the son of Williomson, the Aircraft Millionairc? "
" Thats right. I'ri scruy, but I'll have to rush off or I won't have a job no mattor who I am." I cricd ovor my shouldcr, as Frod was using bodily force to got mo back on the job.

My last glimpso of him, as Frod and I rounded the corner, showod a look on his facc thet seomed to show a mixturc of roloif and worry that was to bo explained lator that night.

## II

After a successful aftornoon's work of locding over fiity small cases and twolve largo onos, packed with the croam of the DicroclBahri finds, on board and a mild roproach, much to Fred's suprise as well as ny ow, for my lato arrival, I hurrica to my hotol. Deciding
to skip dinner, I wont straight to tho clork for my kcy, which was accomponiod with a racssage which had boon loft for mo. Slitting tino top of tinc onvolope with iny pon-knifo, I hurricdly romovod and scannod the cortonts:

Mr. Stovonson;
It is imporativo that I sec you tonito. Plcaso do
not fail mo. Tho native standing at the main ontranco will soo you to my laboratorics.

Your fricnd of the Cabas.
My oycs spocdily racod from the opistlo to the doorway, where a large potted palm trce, mado a focblc attompt to shadow a giant nem gro who stood cross-amod, looking directly at me. I walked quickly over to him, much tho sanc as a small dog would run up to its master Motioning me to follow hirn, ho stopped through tho open doorway and into tho stroct. I followod him for what scomod like agcs, through tho strocts of Cairo. Passing tho slum soction, I oxpoctod any moment to soc someonc jump out from the shadows of the low tents and stick a slithe in my ribs, but wo passod through with no mishap cxcopt for onc hugh cur dog, that mado for me and would bave casily taken off an arm or a log, had it not beon for my guide, who steppod botwoon mo and tho brutc, just as tho animal loapod. tho hugh nogro caucht tho boast by the throat as ho loaped and throw him at least fiftcon foct into tho darknoss, whore I hoard him scramblo to his foot and racc off, yolping with pain and fright.

By the timo I had rocovorod my wits about mo, I found wo had roachod tho nilo whore tho nativo rocovorod a modium sized dhow, which ho had scorctod in tho papyrus rocds. Thirty minutcs rowing along the sluggishly flowing watcrs, found us hoading in towards shorc. Wo quickly alighted and found, to my astonishment, two comol stalod out only a fow yards from tho wator's odge. Anothor hour?s rido on thosc woll named 'ships of tho doscrt', brought us to tho mouth of the vallcy of tho king's, the royal gravoyard of anciont, Egypt. I was so onvoloped in wondormont at tho thought of ontoring into this senctuary of the ancicnts, that I paycd little attontion, if any at cll, to our routc which I bolcivo was to tho north-wost, into one of the many littlc canyons therc-a-bouts. At any rate, we come, rather abruptly, upon a group of low buildings hidden in onc of the guttings of the side of the canyon.

Alichting somowhat unstoadily from my mount, I followod the nea gro's pointing fingor to the doorway of tho largest of the hutments, through whoso windows, a slight diffussion of light appoarod. Proscnting a norvous rap to tho door, it quickly rotaliatod by framing my host for the ovonine.
"Como in. Come in, my boy. Sit dorm and make yoursclf comfortable, I'll have some toc rcady in a nomont. I'm surc it will bc just a littlo rofroshing aftcryour trip. Hmromm.... Looking ovor my spocimons th? " Ho quostionod, as ho saw mo closcly scrutonizing scv. cral pricoloss Muscum piccos in proforonce to tho offored chair.

At ono particular picco, I stoppod and studicd a minutc scction for soveral minutos, without answoring his query, thon I whirlod and firod a statomont, donoting my astonishracnt.
is Why..... Why this boars tho cartoucho oif Pharooh Tut-Anich-Amos in his porsonal scribc. I'vo scon no listing of this objoct ec have you found some obscurc hiding placo?" I cricd, romomboring thut, many of the ancionts hid many of thicr troasuros in othor plasors than their tomb that they might bo protectod from vandals, which woro so numarous in the ancicnt world.
" No, lad, thoso aro from tho tomb itsclf, I romovod thom lons

16
before the tomb was discovered by the British archacologists. Come orer here and sit down, and I will cxplain to you how I got thom and how you may help me to prescnt to the world, a gift from anciont Tgypt, wich will rock the medical world.

III
Iny curiosity as to the circumstances of the recovery of thase works of art, carricd ne reluatantly back to the tavle which occupied the contor of tho room. My roluctance, boing due to the fact that piceos as rare as these werc, wore as a usual thing, not open for tho assjistants study until thoy wore roturned to the Ruscum. Howevor the prospect oi tho story that was at hand, was enough to quickly soat ine et the tablo with a last appraising blence. In a momont, ny informent-to-be, startod his amazine oxplanation.
"I carne to Egypt with Theodore Davis in 1902, as tho physician of tho expodition he had forned, for the principal purpose or finding King Tut-finkh-Ancn's torbb which he, like a few others, was sure was to bo found horo in the valloy of the kings. Though I was of high ramking nobility in England, with an ostato and crough moncy to kocp mo comortable, I had choson medicinc as a hobby till it becanc an obsossion with me. I thon dovotod my carror to the study until I Tas eiven the opportunity to join Mr. Davis. I did so principally bocausc I was tuborcular and Egypt offors a far more healthful climato than fogey old London."
"At any ratc, aftor tho first fow wooks of ostablishing my laboratory, I found mysclf with a groet donl of sparc time which I used An ranblings about the valloy near canp, poking around with my stick and hero and there finding a fragment of pottery or some othor small artifact which would catch my fancy."
"One day as I vas noking around in the sard nour the entrance to the tomb of Remses VI, I found, to ray astonishriont, a step hom out of solid rock. Dropping dorm to my kneos, I quickly mado tho sanc fly in doe rashion, until I had uncovored soveral stops. Py onthusiasm at tho thought thet I hod rado a roal discovory urged mo, at top specd, down to comp whoro. I burst in arong tho mon shoutng out my discovory. I was, inowevor, groatly disappointod in ryy roception, as many times borore, I had run into carn with nows of groat discovory which provod gonurcily, to bo somo hugh bouldor or fragmon of statuary of so littlo valu that it was not worth romoving. Ignoring my pleadines for oxamination of ny find, the mon roturnod to work; forcing mc, through my pride, to roturn unaccompaniod to my tind. With the indignation which arose within mo, therc also come the thought that if I vero to contimu the invostigation inyscle, I might bo able to prove that I was not so childish in ny discovoiy as thoy bulcived."
"It took mo alnost threc days to remove tho sand and dirt from those steps, 16 of thom, as my dutios around canp in ry moaical work took almost half a day. Discardod brushos, trowals, and othon instruments of axcavation, helpod mo to do $a$ thorough job of cluaning around the scals on tho door, which I found at tho bottom of my stairway. Thosc scals boing moaningluss to me, I stopped and ponder d for a tirno, as to whethor I should opon tho door or not. It wos possiblo that it was nothing morc than an cripty chambor in tho wall. If it was and I managod to bring the mon back to unsoal it, life vould bo unboarable for mo araund camp.:
"With o docisive shake of my hoad, I quickly romovod the soals and with a montal prayor that I vas doing right, I swung opon the coor. The sisht which mot my oyos, sont me rocling back to tho stop not a moment too soon, as a hugh stonc slab droppod from above
and broke into several pieces at my feet. Had I been thero under it, I would have been killed instantly, as it•had been balanced overhead fos any intruder. Regaining my cormosure, I gazed in upon the most magnificent outlay of aneient Egyptian funerary tomb furnishings, that ever'a man had the privilege to see. My attention was mainly attracted, to a beautifully inlaid box which blocked the way just inside the doorway. Forgetting my narrow escape, I stepped directly over to the case and brushing off the queer looking grey dust which olmost stiffled me, I slowly renoved the lid. There under a small statue of a jackal headed being; was a hugh roll of papyrus which immediately aroused my curios?ty, to the extent that I quickJy lifted it out and stepped out in the sunlight, where I could see and breathe freely, as my lungs were full of the grey dust which the breese whipping into the tomb, had stirred up into alnost an inpregnible rog.
"With nervous fingers, I unrolled a portion of the hugh scroll which bore, much to my suprise, Greek as well as hieroglphic characters. Interest in the language at Oxford, showed me in good stead as I read over the terrifying facts revealed thereon. ${ }^{8}$
"The scroll was writtion by King Tut-Ankh-Amen's personal scribe who had placed the case in the doorway, sealed the tomb and killed himself, rather than face the homor that was in store for $h$ him. And I can't say as I blame him much, for I realized that I had become the victim of the worst curse ever known to the ancient peom ples of Egypt for on that scroll was explained that the dust which I had inhalod carried the dormant ermin of a devastating disease, so ereat as to wipe out the people of a whole.era of Egyptian History." IV
At this point the doctor paused as if he wero waiting fot the full significance of what he had said, to 'sinis in'. Hopine to clear my mind of the hoax angle, I asliod him rather biuntly, "If what you say is tiue, why is it the discase has not caused your destruction?"

The doctor again gave me one of those carevorn grins and suid,
"all in good time, my boy, All in good time." His grin changed to a look. which vas a caution to my impetuous nature, as he continued his strange story.
"It took me several moments after reading the scroll to regain my mental equalibriunn. I sat down on the toprost of the stairs to ponder over the many ouestions and problens which feaced me. What was to happen to me? How would the discase take effect? How about the mon at, the camp? I had alroady beon establishod in the men's minds, as a dabbling"old fonl, who hadn't sense enough to stick to his medical practise, What would they say if I biought back the story of my discovery, in it's full detail? Yes, thoy would Jaugh again and disregard my translation of the warning and thus give further opening for the spread or the discase. No, that was not the sensible thing to do. I had but onc course to take; seal up tho tomh chamber and hope that it would not be found, until I had found the antidote for this strange and al.-poworful diseaso. I vory quickly covered my mouth and nosc with a handkorchior, which I moistened yith ny cantocn, and re-ontexod the tomb to recover sovoral chests which, though they appeared vory wnall, caught my approciative eyo to be retained as proof on my story, should I desire to give my secret later but wore so, I think, I took thorl so that I michit have something to prove to mysolf that I was not the victim of sunstroke. Emptying a quinine bottlo which I had with me, I fillod it with as much of the death ladon dust as it would hold and scorotod it, along; with the other articles, undor an outoropping of sandstono noar at

28
hand and started the tedious job of resealing the tomb. As near as I sould, from what Iittle knowledge of Egyptology I did have, I imitzic the seal of one of the rulers of the Ramses Dynasty; to reseal 4 ie tomb so thet, should it be discovered, I might not stand the emwirnssment of being accused of thievery. I spent the rest of the bry end a goodly portion of the night, recovering the lo steps in thy rock, and returned to camp, dog-tired but confident that the torib would be found again by someone else, only by shear accident, as I had. The next morning I resigned my position with the Davis exQefition under the pretext that I had made sone valuable discoveries remelng the effect of Egyptian climatic conditions on T. B., and asalied to continue some research along that line, without other dutios to distract ine.
"I returned to London and, after putting everything I had into cash, I dashed back to Cairo to obtain permission to carly on my research in the Valley of the Kings in a remote spot where my work wolld not be disturbed. A little pressure brought to bear from as sociates in London made the task quite simple, so I imediately set about obtaining the necessary equipment to carry on extensive research. Three months later saw me here with my laboratory set up and ready for me to starit on the job of blotting out this menace to civilization."

## V

I drew closer to the table, realizing that he was getting near to the explanation of the mystery. The fire whicli had now burned down to low embers, cast an eerie glow over the roora and the sincere light that reflected in the fellow's eyes was so powerful as to break down any guard I might have against another yarn of the pulp variety.

The doctor then continued, sThe native who brought you here, did most of the supervision of the work under my guidance. I had befriended hin, several years previously, when he had been bitten by one of the lapge poisonous beetles which infest the valley. I managed to save him after the ashintos, or native doctors, had deserted his case. Since then he has been a voluntary slave to my wishes; highly cultured too, he has had three years in the trade school at Cairo.
"Now we cone to the point which you are so anxious to learn more about. A close examination of the papyrus revealed that the germ, which lay dormant in the dust, took several years to return to a living state where reproduction could take place. When they did return, they spread their destruction by consurning all the living blood cells and leaving behind a poisonons secretion which was of such a nature as to destroy every vestige of living tissue. The latter caused a speering up of disjntegration that vas all-consuming. Death follows in a very violent form, rihis disease traveled at such a rate in the early periods that it almost destroyod the predynastic Egyptians, until a man narned osiris came to Irypt from Ialn--AmetSu, known to us as Atlantis. He gave thoni a cure for the disease, which his superior race had prepared in their mocnificent laboratories. The text of this antidato was almost entimely destroyed by the papyrus beetles which inadvertently chose papyrus for food. From these nearly lost records and a Pev rragments of the Edmond Sirith Papyrus in the Eritish linseur, I have becn able to glean enough knowledee to go about my work on an antidete."
"But," I interrupted, "If this is true, how is it that you are alive today? Surely the diseasc should have taken effect on you in this great length of time."
"It would seen so," he explained, "But I have been spared it, thus far, as if I were intended for this very work. Several of the men who have since entered the tomb have died of the disease, but rot in its worst for, or you may be sure the press would have made more of a to -do about it, instead of merely mentioning that they died of a strange malady that has not been identified by medical science. I feel, however, that ry time is near its end and that I must rush my work winch calls for more capital. My fortune is gone, end I have sunk every penny I had into this effort and now I am stalemated unless you can give me assistance. That is why I called you here. There it is, my boy, you have the whole story, and I must have money to continue. I want you to return to Cairo with Assin Sal and think it over thoroughly. If you are then convinced of the truth of ry story, send to your father for five thousand dollars. A few thousand will be little missed from his fortune in comparison to the great service you can do humanity."

## VI

This last sentence seemed to automatically end our conversetimon. I arose from the table and left in the company of Assin Salu. Our return journey proved uneventful for it seemed so as I was turning over so many things in my mind,

Arrival at the hotel had not given ne sufficient time to think things out so I walked the streets of Cairo for the remainder of the night.

I won't bore you with the thousand and one do's and don't's that entered my mind but only tell you that the following morning I cabled my father for the mono y, promising, an explanation later. Good old dad readily sent it without question.

Late the following afternoon, fissin Salu returned to inform me that his effendi was ill. Together we rushed back to the valley, which I was later unable to find, and this time I wasted no time in rapping on the door as it flew open at my onrushing. I got no furthe for there, sprawled over the table, was the most gruesome sight that ever a man beheld. For there was a desiccated corpse from which a nauseating, fetid odor arose to strike me lifo a physical blow--an unspeakable repulsion, whose offense spread from the olefactory nerves to the other four senses, saturating my entire being with utter loathing. I whirled and stumbled from the sight, rushing pell-moll down into the valley with the thought of what I had witnessed, bringing to my mind the ancient words inscribed on the curse of the tomb of Tut-Ankh•Amen:--

Let the hand raiscth against winy form be withered.
Let hill die who attack my body, my foundations and the likeness unto re.

$$
\begin{aligned}
& \text { from 'The Valley of the } \\
& \text { Blue Moon } \\
& \text { LASOMN-5007! }
\end{aligned}
$$



The history of excavation and Scientific Rescarch in Egypt is sad but in some cases extremely funny. A true form of excavation in the Valley ${ }^{\prime}$ the Kings did not begin until the later part of the lath cen Jי.. but slightly previous to this an account was written by one Giam Fair j. Battista Bolzoni of his travels and explorations in Egypt and Nitric tillich gives us first hond, laughable accounts of how he ontored tho tons of Egypt to obtain papyrus which could be sold to collectors ot quite a tidy little sum. No one could give a better account of his crcavarions in a humorous form than himsclf, therefore, let us pick up the natation as he wrote it;
"After getting thru these passages, some of them two or throe hundred yards long, you generally find a moro commodios place, perhaps high onough to sit. But what a place of rest: Surrounded by bodios and heaps of mumics in ali directions; which previous to my becoming accustornod to the sight, impressed me with horror. The blackness of the wall, the faint light given by the candles or torches for tho want of air, tho different objects that surrounded me, seeming to converse with each other, and tho Arabs with their candles and torches in hand, naked and covered with dust, themsclvos rosombling living mummies absolutely formed a scone that cannot bo described. In such a sitution I found myself several times, and often roturnod oxhaustod and fainting. Though I was destitute of tho sense of smelling I could taste tho mummies wore rather unpleasant to swallow. After tho exertion of entering such a place, through a passage of fifty, a hudrod, three hundred or perhaps six hundred yards, nearly overcome I sought a posting place, found ono and contrived to sit; but when my weight bore on the body of en Egyptian, it crushed like a band-box. I maturerally had recourso to my hands to sustain my weight but they found no bettor support; so that I sank altogether omoung the broken mummio with a crash of bones, rags and wooden cases, which raisod such a dust as to kop mo motionless for quericr of an hour, waiting until it subsided again. I could not remove from the place however, without incroasing it, and each stop I took I crushed a mummy in some part or another, Once I was conductor from such a place to another roscmbling it, through e passage of about twenty foot in longhth, and no wider than the body could be forced through. It was choked with mumios, and I could not pass without putting my face against that of some dow cayod Egyptian, but as tho passage inclinod downward, my own weight helped no on; however, I could not avoid being covered with bones, logs, arms and hoods rolling from above.i3

## $; ; ; ; ; ; ; ; ; ; ;$

irhoro tho poole asscmblod around mo, their covorsations wore wholly upon antiques, such a ono had found such a thing and another had discovered a tomb. Whonovor thor supposed I should spend the night they always killed a couplo of fowl for mo, which wore baked in a small oven hoatcd with mummy cases, and sometimes tho bones and rags of the mummies thomsclvos. It is no uncommon thing to sit down no ar fragments of bones, hands, fott, or slculls arc often in tho way, for those pooplc arc so accustomed to being among tho mummies that they think no moro of it than as if they wore dead calves."

> W. J. Do
I. hadn't known the professor lone, but I had already learned that there was none of the stiffness in him that you sd ind in some of the others, It made no difference to him that we all knew all a bout the Iliad and Odyssey and you nothing, except that he found a real pleasure in watching you catch on as he would explain and there he was now, leaning back in his chair, with his hands locked back of his grey head and his long legs crossed on the table,

He called me in to tell me that I shouldn't pay too much of attention to the mark that he had given me. He said that it was $s$ fair symbol of the knowledge of Creek which I had revealed, not necessarily of what I knew. At least he thought it was fair; if not, he would gladly listen to my idea on tho subject. He went on to explain that perhaps I wasn't so good at Greek, or didn't care for something else, and that maybe I should take a turn at valvegrinding or house-painting or even something a little more skilled, like making ornate windor frames.

If had me pretty joyful over my failure, and had about rounded out his little talk, when he said that people ought never to take themselves too seriously.
"No, sir," he said, "take it from me, it doesn't pay.
"Now, in my younger days I knew or a young man who did just that. He seemed to think that anything he did had to be better than anyone ever did before him and a mark for everybody after him to shoot at:
"Well, he was a sort of a tradgic figure, and ridiculous am long with it. Gloomy; ascetic, bilious. I can see him now, stalking about the grounds, alone and lonesome, too wrapped up in himself to realize that a beer or two would have put everything might
"But he had the idea that the world was waiting for him to come forth with the ultimate, the Last Thing, and then there d be no need for more. That would be all.
"Now this young man of the inward eye, the huraid, sensative eye had a flare for poetry, Oh, I suppose he could write it all right, but no better than a lot of other people. And one day he conceived the perfect poem, which was the last thing in beauty, philosophy, wisdom, knowledge, and everything else you might think of on your day off. But there was a catch to this; this poem was to be so allknowing that it would virtually consume its author; that is, when it was'written he would have lost so much of his personality in its roy the, meter, words, etc. that what little of hin remained wouldn't be worth left to live. He would do away with himself-- a fitting and dramatic ending. And that was the tragedy of it all.
"I think sometimes that we feel tragic about our creations because we don't know whether they are beautiful wheather they stink. Both qualities seem to produce the same effect.
"Well, as I was saying, this young man wrote his poern-.."
"Did he -er- kill himself?: I popped out, unable to wait loner "No, he didn"t," said the old professor, still gripped in a mild way by the serious mood of the story he had been telling Then he gave a little laugh up at the ceiling" "No, he didn't," he rom peated. "But why in the hell I didn"t, I don't know; for it was about the lousiest darned stuff that was ever put on paper."


## HYSIEAR II A HEARSE by

If if.B.C. could rejoct "History in Reverse" it is rather hard to say what they would do to this if $J$ ever mustered up enough nerve to shit it. Never-the-less I give it to you in its uncensored version (Note; Even the censors wont read it.) Anyway, here it is, don't say diything until you count to the usual ten after reading it, for courtest sake, if nothing else. Tho said "Who is that dame Courtesy?" Orchestra: OLD FASHIONED SOITG
Announcer: Tonite Ladios and Eentlenen of the tolioscopic audience, we present an old fashioned melerdrama of the early 25 th cenfury as near as possible in presentation to its prodecessor. It's been ages since you've had an opportunity to hiss tho villain. But inasmuch as hissing is applause for him, lot's oil up the old hisser and give hin a big hand. Tonite we present the Fransplutonian Dramatic Stock Company in an untimely dramatic play entitled "Interplanetary Sabotage"or "Who Swiped tho Jets Pron Grandma's PoClifTh" fit this point we will let ACKURIAT-TASL into the role of Silas PICTIONEER tho SCIENCE TICTION minded father. FOROJO will horol you over as Iifrandi FICTIOivER, tho old fashioned mother who still believes that an exclusion act is a trip to the SCIENCE FICTION COINSITION. PlUg- "IT IS CIIICAGO IN $1940^{\circ}$ Tho fellow who is the object of our hisses is none other than tho famous MOSCAFETII, known to his friends and inmates as WOLLOWITZ. (Get it? If you don't you'd better get a NEW FilmDOM in the FUTURIAI), who plays the role of Tobias Flint the dirtiest rat who ever wiped his foot on SCIENCT FICTION's front door mat. Our simple, swoet, and unconscious heroine is TUFA BRLDBURY; ho of tho hurnorontype, the tweenio of twecnios, tho emblem of imbeciles, tho perfect specmen of the Spiralis Bradbilljous Genera. (nufi said) And, not to be soon forgotten, is VOICN, (you can use your ing:ination here) the ethereal heckler who would bo the star of our play except that nobody novas what he's going to say nowt. I won't mention his marie, but should you bo thinking of hustle, bustle and hodgepodge, I think you've got something there. Ho is the fellow wo knows all, and how he tolls it; In othor words ho puts in his two-bits in Kibitz. Our scone is the home of Silas and Hirandi. As tho scone opens it is rather hard to say what tiro it is as wo are in the void, and must avoid mentioning days and Knights. As the fog lifts, Lirirandi is scatod by an old fashioned gas fireplace as Silas cantors from his chores milking the 'you know what' scoine that the hired hand Orion had Taurus well in hand, and replacing tho bulb in the taillight of their space ship.
Orchestra: STORH MUSIC (preferably Iondelssohn's Spring Song)
Silas:
IIIrandi: Your right, Silas. 'Taint fit for man nor boast.
Silas: Yep. 'Tain't fit for man nor boast. God pity the IENSIEN on a night like this.
Mirandi: Moll, Silas, guess vo can count oursolvos fortunate wo vo got a gravity nullificr over our heads.
Silas: You're right, Irirandi. But I'm afraid we'ro about to lose
the old ROCFET ship.
Mirandi: Lose the old ROCKET ship: ---- My Silas, we've livod here all our livos, and it was right hore in this vory air-lock that our littlc Dsmerclai was born. ---- Oh Silas, it scems like only yestorday that sho left, to go to the fifth Galactic Univorso to scel hor succoss.
VOICE: Oh yoa: She's probably trying to TSCAPE from DICK WILSON. Silas: Woll, Hirandi, I gucss Esmercldi has forgotton us; we that slavod and worked to give her the bost in lifo.
VOICE: Yca, and she ondod up helping HARRY WARNER Jr get along the SPACETAYS.
Mirandi: Yos Silas, you and me gavo Esmoreldi the best years of our lives. Why, we cven HORTgaged tho old ROCIPT so as how she could colloct back issucs of SCIENCE FICTION ic WEIRD TAIES.
Silas: Don't socm right, Iirandi. But tomorrow wo must lcavo our dear and beloved ROCITT. The MORTgage's due and old Tobias Flint is a hard man.
(SOUND OF COIIOTION--VILL SOITONE MAKE A COM MOTION?)
Silas: There is someone off our port bow.
VOICE: I don't know about the port bor, but I could say something. Mirandi: Who in the nane of $A D A S T R A$ can that be.
VOICE: If it's a blonde AD ASTRA.
(SOUNDS OT FALIIITG CANS, OR T. BRUCI YERKE THINKING)
VOICE: Sounds like WILSON's 1750 Ford; motor's so smooth you can barely hear the pistons changing cylinders.
(ENOCK AT AIRLOCK DOOR)
Silas: Sit still Iiirandi, I'll get it.
(SIIAS OPENS AIRLOCI AIND IETS TOBIAS IN OUT OF THE RAIN)
Tobias: Evenin' Silas. Evenin' Mirandi.
Ifirandi: Evenin' Tobias. Ve was just sittin here talking about you, and the HORTgage you hold on the old ROCFTT ship.
Tobias: Vell Silas, I guess you know it's due tonorrow, and I'm expectin天 my money right on the nail.
VOICE: He doesn't know SCIEICE FICTIONists very well.
Silas: Well Tobias, I'm afraid we can't pay it all tomorrov.
Tobias: That's none $0^{\prime}$ my business liirandi, you know my notto,-----
"VOICE: Sounds like a good policy. I'll have to try it next meeting
Silas: You're a hard man Tobias, but you can't be so unhuman as to turn two old folks out in this cold, cold weather.
VOICE: BOO----BOO-.---BOO
Mirandi: What was that noise?
VOICE:
Just a protest from the Charaber of Comnerce of the Void.
Tobias: 'Tain't riy fault it's snowin' ---Pay up or get out---That's
lirandi: Oh, if fsmereldi were only here, she might be able to help.
VOICE: I'd loan you my allowance, but I helped TUCKER finance his latest LE ZOiIBIE, and you know how those things cost.
Tobias: Ha---HA---HA, it's too late now. Didn't I offer to marry her and didn't she refuse me? I tell you silas, I'm a hard man and proud, and this is my revenge, and revenge is SWEETNESS AND LIGFT to Tobias Flint. Tomorrow's the day. Pay up or get out --- That's my motto.
Silas: Have courace IIrrandi, it's always darkest before the dawn. (KNOCK AT TIE ATRLOCK DOOR)
Hirandi: Who can that be? Ily wash isn't due fron Venus till Monday. Tobias: Why don't you go see, it luy be santa Claus with the roney. VOICE: Gee, 25 th century and they still believe that santa gag.

Silas: Have you no heart, Tobias Flint? I'll go Mirandi. (SILAS OPENS THE AIRLOCK AND LETS ESIERELDI IN OUT OF THT HAIL) Esmereldi: Helo lia. Hello Pa. It's me in the flesh, home and ....... well if it isn't the well UNKNON chisler Tobias Flint.
Tobias: Enough of this nonsense. I'm here to collect the money due me. I hold the MORT' $巨$ age on the old ROCKIT ship and you all know my motto, 'Pay up or (THE IISTENIITG $\Lambda$ UDIENCE MAY JOIN IN ON THIS CHORUS).
Esmereldi: Listen, skin Flint, how much is this MORTgage you're so upset about?
Tobias: $\% 25.00$ with an interest of 3 SUPER SCIENCE coupons.
VOICE: What: No sales tax"
Esmereldi: Here's your money and your coupons, now get out of here and never darken our visiscreen açain, or I'll blast you into a full circulation of GOLDEN ATONS.
Tobias: CURSES! Foiled again. EXITS (note; back way)
Mirandi: Where in the name of ADMI LINK did you get all that money?
Esmereldi: Well, the prodigal daughter's been knocking 'erl dead at the SCIENCE FICTION CONVENTION.
VOICE: Some knock I'll say.
Esmereldi: Why the worried look on your face, Pa?
Mirandi: I guess your Pa 's worried about the same thing I am.
Esmereldi: Mell, what's all the furse about?
Silas: Esmereldi, --Are you-- what I mean to say is --'er'm-..- are you a good girl, Rsmereldi?
Esmereldi: Listen Pa, when you can eet twenty five dollars in this day and age you got to be good.....
(ORCHESTRA TAG: IT AIT'T THAT YOU DO IT'S THE WAY THAT YOU DO IT) Announcer: And that, my friends was the first, and evidently, the last performance of the Transplutonian Dramatic Stock Company in the wrong dramatic play. For those who plan to re-present this little gem of a play, we strongly advise fumigation of the playhouse at regular periods. Any similarity to actual persons, whether living or SCIENCE FICTIONists is purely-----FLASH--- Ladies and gentlemen, the playwricht just disappeared towards the star Vega, the cast close on his heels. For the future of this program, consult your daily newspaper's death column. Thanks for listenin'.



In this very interesting age of modern miracles in which we live, few of us ever stop to think how important they are to twentieth century'existance. We, today, accept and use electricity, the automobile, the airplane, the steamship and a thousand and one conveniences of everyday life as a matter of fact even though a scant half century ago one lived, figuratively speakine, in the dark ages.

Yes, we are indeed fortunate to be destined to play our part in life's great drama during this enlightning era. However, in the true sense of the word we have only scratched the surface. In other words we are conscious of the fact that many scientific acheivements and discoveries have yet to take place. In every branch of science today new theories and facts are constantly being brought to light. Science is progress---progress is what the human race strives for.

Among the many comparitively new frontiers of today one of the most outstanding is the conquest of space. Slowly but surely events have shaped themselves so that man finally conquered the seas. Next man desired to fly ----- witness the present day aircraft. Today one gazes in awe and adriration at the heavens and wonders what new secret will be unveiled when at last man leaves the earth for the first time. The problems to be solved and the obstacles to be overcome by the spacecraft engineers are many and complex indeed. Yet the situation is at a parallel with that which confronted Columbus when he boldly set sail in the Santa Maria.

As yet man has no "Santa Maria" in which to venture forth into space. Yet much is being done to solve this particular problem. Today when speaking of interplanetary travel one imnediately thinks of a hugh, sleek, shining space'ship, not unlike a dirigible. We picture it seemingly hung in black, velvety space, long plumes of rocket fire streaming from it's tail, completely surrounded by myriads of unbem lievably bright and varied colored points of light. Out of the rear port windows we see the earth, bluish-green in color, held in space by forces which are known but not seen. We are hardly a half-dozen hourg departed from earth and over the dark portion we can already see the moon slowly coming into view. Yes, this could be a typical scene if future planetary travel. But --- must it be a rocket ship?

Let's use the above scene for an example of what I an getting ai That is every thing but the plumes of rocket fire and in this case ship constructed in the shape of a hollow sphere. By vhat means is this ship to be powered? How is it kept uncer control and made navigate the spaceways?

First there are sowe well lmow, simple facts or problens which confront the rocket eneineer. Prinarily it would cost approxinatoly $\$ 100,000,000$ to launch a ship into spece at the present tirie. Next--.in order to break free of the earth's gravational ficld a spocd of sevon miles per socond must be attained, this being the accopted velocity of escape. It is plain to soc that a torrific amount of cnergy vould be recuired to accornlish this because our ship would have to bo large enough to store onoligh fuel for it's return trip.

The bost lnown fucl nixtures so far devcloped are oxysen and gasolino or oxyeon and hydrogen. This fuel whon ignitod croatos a torrific heat----iar more than any motel known today can withstand for any longth of tine. Hore also lies the danger of explosion.

At this point attcntion is brought to the fact that tho aoon will play it's part by acting as a stopping stonc for the rocket ship on it's way to liars or Vonus. As planotary clistanecs amount far into the millions of milos and the moon not cron boing a quarter of a nillion miles fron the carth this seons vory impractical. Bettor that one should attompt to cross a rivor a hundred foct wido by otoppine to a stone two fect froin the banks.

The reans necessary for this now thoory of rlight was round by Sir Isaac Newton in 1682. Wo are all fariliar with the story of how Nowton fornulated the law of gravitation by noting the action of an apple as it fell fron a tree.

Now supposing we decide to journey to lhers. Juderine from it's publicity liars seens the nost popular and ravorite dostination at the tine. Our ship, which we shall call a gravity cruiscr for want or a better name, leaves in thirty minutes. Therofore vo hurry to the Los Angelos Eunicipal hirport for our acparture. Unlile a rocket ship, which vould reguire a spccial launching cradie and eciuipmont avay from congestod districts, our ship is safcly and economically launched frofin any modorn, proscrit-day airport.

We present our crodontinls and tickots to the captair who eroots us with a cheorful suile. He then instructs a woll drossed, woll groomed stoward to show us to our comfortablo, spacious auartors. Ieforo unnacking we decille to 80 to the solariun to watch tho take ofr. Thore we find a racriber of the erevr oxplaining to soino or the othcr passengors how our ship is opcrated.

Our ship is equippod with an attractional ficld and a ropulsion field. This will of course surround the ship with on invisible ficla of corgy which will noutralizo or doublo the forcu of gravity as the pilot wishos. Usine oarth's gravitational ficla as a stancard we shall call this a forco of onc eravity. Double the force -- tro gravitios, ctc. Fower for goncrating the ficlds will probably bo by oloctric motors oporated fron huge storage battorics or by atomic motors.

Seated at a complicatod control board sits the pilot who follows the orders of the cantain, standing dircetly behind hin. On cither side of the pilot arc radionon, navigators and arsistants soatod at their controls, instrumonts and charts. Tho flight crow hario a practically unlimitod fiold of vision out tho cloar duartz windows which form in part, the nose of the ship.

Tho pilot has completc control of the forco ficlds by a system of switches, knobs, and a series of rheostats. Nomal earth gravity is inintained inside the ship at all times. A gravity field in the hobtom of the ship is controlled and increased automatically regardJisss of the force of the gravitational pull on the outside of the ship. This is of coursc insulated from the force fields which power the cruiser.

Presently "last call" is heard for visitors to leave the ship. The huse air locks slide silently into place and at last the order to depart is givell.

The pilot gradually noves the take-off rheostat thereby bringing the repulsion field slowly into play. In other words as the field is applied the ship gradually beconos lightor until the gravitational field of the earth and the repulsion field of the ship exactly balance or neutralize one another theroby making the ship weightless.

Upon moving the controls past this point the repulsion field will take effect and our cruiser will slowly rise from its landing position and head ior space. Upon applyine still more control until one gravity is reached the ship will be literally falling away from the earth at a force exactly opposite to the gravitational pull on its mass when in a normal state.

All this takes place so smoothly that if it weren't for the earth swiftly dropping away from us we would think we had not yet left the ground. Very soon wo are completely out or the reaches of the earthis atmosphere and whole continents and oceans are spread before us. At this tine the captain will ordor the dellecting shicld of force into operation which every ship must be equipped with to guard against meteoric fragnents and the lise.

After reachins a few hundred miles the pilot increascs our speed by increasing our ropulsion fielas and by taking advartage of the sun's gravitational pull which is far greater than that of the planet's. This is done by operating sevoral baniss or controls until we are moving away from tho oarth with a force of soveral hundreds of gravities.

Wany hours aftor we have crossed the moon's orbit and leave the earth farther and farther bohind, we fird that the gravitational pull is decreasing. When this ocours that part of our chip facing nearest to our objective is chareed with an attractional fiold instead of repulsion. This will tend to counteract the wearening pull of the earth and possibly increase our spoed. It will also holp to swine us into the diroction of our objective as no allowances vere made for the earth's rotation after we tovk off. ind so we are taking full. advantage of the tremendous forces that a rocket would have to fight at least until it was near enough to its objective to feel any gravitational effects.

Eventually as we near the end of our journey the pilot begins decelerating by reversing the force fields. Soon we cross the orbit of tiny Deinos, tho outer of the two Iartian mons. Next we pass Phobos and finally reach the outer atmosphere of Fiars. In the due course of time we find ourselves landed as smoothly and skillfully as our take-off from earth ... none the worse for our journey. What we find here and what we do now I shall leave to your Imagination!:

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## CHICON

I don't know what you follows are roine to do, but, I an going to do my very best to be at that convention this year. OH , I for got, maybe you haven't hard, its goins to be the boiling not for Science fictionist from hore to there. Who knovs, you nay find a long lost frfend. Sounds silly, wut whet is more silly is the thot of missing the Chicon...... BE THERE.


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