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#### The Shadow on the Spark

By Edward S. Score 498

#### Our Cover

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"The Dense Column, King," by Julian Hashey, Copyright

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#### In Our Next Issue:

THE BADIO GHORT he Gas Adelayet Line You can not the life in tensions "The Malareman Entry," by this well-known architer. Here he has endotine interest in an expansi site, nover phahaded bares, which shown you all of the wonfers of rude when used is makingstate purposets, a story is thering and yris to pregnam with persidence, but you endors to the the thirt its store memorecollities when we available have today maps. Here are not by one are not mits a rememb

THE WINDED DOOM, by Knowth Gheer Now this rowing has not been to the iree again, through the exploits of our American Berth. "The Winged Decom," gives yor a peep into the future, and you see what may langue when a powerful astion in about to much this country. Here net have measure to the shi darce and the solution of the start dark."

The UNIX CAPLO, by Mide J. Perrer, M. H. Makad Ivan, ward also because a guine of anit." Thus benefor the model because and pline of anit." Thus reach the Robe (Gereness and Robert) that is described bergy by the subtract of The Man with the Strange Bergy by the subtract of The Man with the Strange Bergy by the subtract of The Man with the Strange Bergy by the subtract of the Strange Bergy by the subtract of the Strange Bergy by the subtract of the Strange Bergy by the Strange Strange Strange Strange Bergy by the Strange Strange Strange Strange Strange This Ward OD THE WORLDOR, for a strange This Ward OD THE WORLDOR for a strange St

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# "Why Hasn't Someone Thought of That Before---?"

THUS saks a reader who has just made the acquinitance of Modern Story Magazine, the new magazine devoted exclusively to modern youth. "A magazine that actually is 'dt, by and for modern youth "thills me to picces?" writes this El Paso. Texas, girl. "Why heart's semes thought of that before? It seems to me that there is a great need, a crying demand, for just such a magazine.""

LEST in be thought that only the fair sets has taken to the idea behind Moders Story, we have to quote from a chap in Chicago: "If indeed was a formant carcumstate which led mu to the newsmand where I got ng first copy of Moders Tsury Maganiane. I had started out looking for a copy of auther maganize when I chanced to use years on the counter. Attracted by the when I chanced to use years on the counter. Attracted by the tir and sover that I had found the set thing I long hed deried to us: a maganic develocation they be the set of the provided the set of the set o

WHAT is it about this new magazine that has so captured the imagination of modern youth? It must be fresh and different; it must offer them something that no other publication does. Nothing else will explain the enthusianm aroused by its appearance, and its steadily mounting circulation.

PERHAPS you, too, have been looking for just such a magazine, but have not known that it exists. If you like real stories of the present moment, stories that plumb the manifold phases of modern life and love, you are certain to like Modern Story Magasine. It's a quarter a copy at all newsstands. Get your today!

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 The original letters from which there extracts are quoted, an well as scores of other letters from readers, may be seen at our office by any interested persons.







Cold Fact Tomorrow

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Editarial and General Offices: 239 Fifth Avenue, New York, N. Y.

Extravagant Fiction Today - - - - -

# A DIFFERENT STORY

N

OW that Assame Storms has put the first year safely behind it, it is safe to say that the magazine has definitely "arrived." Much work, however, is still left to be deen. I with to save here here

much we all appreciate the continued support of our readers and their enthusiasm in supporting the magazine month after month.

While the reparticular period is over, and the may be to be covered. For one think the magnetin is not yet to be covered. For one think the magnetin is not yet on a popular basis, nonverthehending the fast that 12000 covers are phrong neurally. The setend plassing it on some 30,000 newstates the tracky in the seture picture of the magnetic setup. The inters seture ly using the emission of the setup is play the contexple of a two advertises, much are maintain to be draw. Not will the magnetic base new maintain the setup is the setup of the magnetic base new maintain to be draw. Not will the magnetic base new the setup of the setup.

I believe you will appreciate a frank tafk of this kind, for the simple reason that after all it is really your magazine, and is published at the present time more for your benefit than for the benefit of the publishers. It is with this thought in mind that I feel I am not expecting too much when I tack this you sign the blank blow, giving us the mances and addresses of as many of your frames as you think might be instructed in Advances Storms.

Out to having additional readers can be more print 5000 magnetism. But does not the more print 5000 magnetism but does not first more first and the second second second second second times for exact first the second second second times for events. This may have, then, is such these there next second the sequence may advance advance of well it and become integrations. We likeway have next second the sequence may advance assumed as these terms of and the space frame of the tauk works have more advanced space frame advanced to the sequence in the second second second to the second second second second second second to the second second second second second second the tauk work is because in the second second second the second second second second second second the second second second second second second second the second sec

tirely new and different kind of imagonine, and mung, therefore, have whatever assistance you can give maby sending us good prospects and then let the magazine succeed on its own merits. If you do not wish to multitute the imagazine, just copy the bink and send it to us properly filted in. A copy of the magine will then be sent free, to woar triends.

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Mr. Hugo Germiback speaks every Mossley at 9 P. M from WRNY on various scientific and radio subjects

# The WAR of the WORLDS By H.G. Wells

Author of "Under the Knife," "The Time Machine," etc.



These who have sever area a looky Marilian ene averably imagine the strange harver of they apparently. The parcelar Xabranet search with its pointed apper its, the abrents of have higher, the absence of a chin knowshi the wedgetike lower ky. the forecassist university of this mouth, the Gargen process of Scatteries,--shows all, the entimerchance interaction of the inmense optio---columnostical is an effect of measures. Here at this first glimper, we were average with disput and formal.

#### CHAPTER 1

#### The Eve of the Was



O one would have behaved, in the last years of the nineteenth century, that human affairs were being watched keenly and clotely by intelligences greater than man's and yet as mortial

as his easy, that as more handed thurshow a show the third mitting they are stratified and stated, probage through an array of a state with a statestration of the state of the state with a state of the state state of the state state of the state of the state state of the state state of the state of the state of the state state of the state of the state that the influence interes is the state of the state has the state of the state of the state of the of the state has the state of the state of

ready to veiccons a misiclosary enterprise. Yes, aeross the guil of space, minds that are to our minds as cura are to those of the beast that perisk, intellects work and cool and unsympatchile, regarded this earth with cavious eyes, and slowly and surety drew their plans against us. And early 42 the twentisch outlany came the great

The planet Mars, I nearably need remind the ranker, reviews about the sum of a mean distance of 140,040,000 mins, and the light and heat if receives from the sum is less than half of that received by this world. It must be, if the nublear hypothesis has any truth, older than our world, and hong before moter from the our, it necessarily follows that it is not only more distant from life's beginning but nearer its end.

The neutron could get an most time department of particle in a strong or the part of the part part of the part part of the par

Or all the senter that P. G. With senter, berker, new law low use highly dense on "The Wire" of the Worlds. In this charge, one of the first period. Mortion struct, the Morten world runs gives are structured with the the senter of the transmission of the senter structure. In the senter the transmission of the senter structure dense the senter Archite data may achieve the senter structure. This is received prevent for sense where all of the the senter Archites the senter structure and of Mort the Archites the senter structure and the sense runs. Excellent prevent data was a senter that when a sense the senter structure and the sense with sense runs. Excellent the sense and the sense of the sense structure and the sense with sense with sense runs. Excellent prevents and the sense with sense runs.

With which forms from condensed because of his picmed estimates of Marsines, but wire all updates of the picbody and estimates of Marsines, but wire all updates are bemore status and the statistical sectors are not an estimate info to scattagetime. If there ever a subsetier hardfacture, is taking by considering the statistical sectors are backed by the statistical sectors are also been backed resumantly is backed net be evaluate if it is used to be resume update and the statistic is to be the statistical sector the factors of the it most active  $M^{2}$  have an error backed and hard taking the the statistic is to be resume updates and the statistic is to be statistic to be resume updates and the statistic is to be statistic in the backed statistical and harding the factor are followed by the statistic on creditivity, in the stary (is the pice of the backed statistics).

In cay event, the "War of the Worlds" is a tremendous document that sold remain a classic for centeries to come. of populous country and n z r r o w navy-crowded Sean.

And we men, the creatures who inhabit this earth, must be to them at least as allen and lowly an are the monkeys and lamors to us. The intellectual side of man al existence, and it would seem that this too is the belief of the winds upon Mare, Their woold is far gene in its cooling, and this world is still crowded with life, but crowded only with what they regeneration creeps upon

but wire, harmonic barber, life upon its worfner must have beginn its curse. The fast likel it is carcely non-working of the volume of the earth must have necessarised its colding to the temperature at which life carcels begin. It has at and water, and all that is measured begin. It has at and water, and all that is measured begin.

Yet so will is man, and so blinded by his varity, that no writer, up to the very end of the alacteenth century, expressed any idea, that institutions for might have developed there far beyond its earthly seed, or indeed at all. New was it generally underated that since Mars is elder than our earth, with earenthy a quarter of the superficial arcs, and reAnd hefters we longe of them too harship, see sums terminely what rubbes and utter distribution out own specific has veryable, not addr upon animals, such as the variable bisses and the dash, hat upon its own inferior means. The Taxanakasa, in spite of their human binneas, were articity seeps out of white how his is the spice of thy years. Any even invalignment, is the spice of thy years. Any we tash, aposition of marry as to complian if the Mariana warren is the same oright?

The Northans seen to have calculated their demoent with annazing sublishy-their mathematical learning is evidently far in extens of curp-and to have carried out their preparations with a well. which perfect assumingly. Had our instruments permitted it, we might have some the gathering traville for back in the numerate contrary. More hits Schnaparelli wichted the red pinnet — Ha old, hy-the-by, that for examines centuries Marr has been the staror warr—but field to interpret the functions of Marriella and the star of the star of the All that time the Martians must have been getting ready.

DURING the opportion of 1894, a grant light was seen on the Mundmatch grant of the sign first at the Lick Observatory, then by Perroin of Nies, and then by oblew observer. English readers hard of it first is the issue of Notice data August 2. Tax incident to thisk that the appearance may have been the casting of the huge gran, be wait jud much into their plant, from which their shots were dred at us. Peculiar markings, any set marking the weet two meredition.

We have obspanness. It is years are note. At Man approached properties, Lawie of Jone at the writes of the autoconvoid environmer publication with the marking involves of a har har has been approximately the marking involves of a har har has converted to such the hard are corrested, and the spectressers, to such the hard are corrested and anticide a mass energy whethy present this sorts. This system the hard become involves and the surface public tracks. The spectra of the second second second tracks are an existent and the spectressers from hard become public and the spectressers tracks. The spectra of the second second second second tracks and the spectra of the second second second tracks and the spectra of the second second

A singularly appropriate phrase it preved. Yet the next day three was nothing of this is the paper, screept a jittle note in the Desily Teleproph, and the world worth ingurantes of one of the gravest dawgoer that ever threatened the human reso. Turkyn too haw haard of the emption at all had 1 are and Optivy, the well-known autoneanst, all Otterhaw. It was intranseasily excited at the ness, and in the account of his facility invited me up to take a turnwith him that hapit in a screative of the ref parter.

In other of all state has bargened virtual. I all lines with the state of the state of the state of the state of the direct stateworks of the state of the state. The state of the state work and the state of the s

As I watched, the little star seemed to grow barger and amaller, and to advance and recede, but it was simply because only eye was tirtle. Party mbligns of miles it was from un-more than 60,000, 600 miles of roule. How sends realling the immunity of vacancy in which the dust of the material universe swims.

Note in the field, I remember, were three little points of light, the belocopic stars in finitely reserved respectively. The second stars are seen as a second stars are set of the second stars and the little second stars are set of the second stars and the second stars are set of the second stars and are set of the second stars and the second stars are set of the second stars and the second stars are set of the second star and star are set of the second stars and the second star and stars and stars are set of the second star and stars and stars and stars are set of the second star and stars and stars in the second star and stars are all shown as a work of the second stars are set of second stars and stars in the second stars are set of second stars and stars in the second stars are set of second stars and stars in the second stars are set of the second stars are second stars and stars are set of second stars and stars are set of the second star and stars are second stars are set of the second stars are second stars are set of the second stars are s

That night, too, there was another, jetting out of gas from the distant planar. It was the . A wolfdhtish at the edge, the alignetic projection of the ording, joint as the downmarks entropy makes the the start that 1 vidê Oriby, and he took my plane. The night was aware and I was thirty, and I went, stretching my large elamity, and feeling my way in the darkness, to the 10th table where the sighten stood, while Ogity exciting at the streamer of an that can see a fourth water them.

That triple arother levisible relation started on the way to the cost from Mare, that a second or as a way to the cost from Mare, that a second or as a member low Loss of press and crimoson without the before meyors. I wished I also al light to smale (by lifet superchips the maximum of the million flower of the superchips the maximum of the million flower with the laters of willed over to the human Dornt below in the dataceas were Ottershow and Octavy, and all their humans of press, despinar,

The war full of speculation that night about the confliction of Mars, and scotting of a the winger idea of its having inhabituate who were signalling us. His data was that networking nights be fulling in a beavy about the placest, we that a lung volcasie outphoton was no progress. He pointed out to ree how unlineary it was that cognite contribution bottom.

"The chances against anything man-like on Mars are a million to one," he said.

Hundreis of observers use the flame that wight and the night after, about middlett, and agrin the night after, and as for test nights, a flame such night. Way holds holds could after the betth no cose on earth has altempted to explain. It must be the passes of the flatting caused like Matting incoverlense. Duras cloud, of amile or dust, within hereaft a jowerful thistogene cara the little gray. of the playerful statespice rate that little gray of the playerful statespice and observed its more fumiliar features.

Even the daily papers woke up to the disturbances at long, and popular noise appeared here, there and everywhere conserving the volumes upon Mars. The serie-comic participal panels, I recomber, made a harpy uso of it in the political carbon. And, all unsuppected, those missiles the Martians had fired is dress reathward, multiple more it is more of The might (the first matching the could setter) the heat heat (Add Merickan and Me

#### CHAPTER II

#### The Falling Star

THEN earne the night of the first falling star. It was storn usely in the merciain prubing over the attrosphere. Hourisdin and the store of faster, high in hattrosphere. Hourisdin areas the store costs, it can take the store of the store of the store of the store store of the store of the store of the store of the hatt glowed for earner seconds. Detailing, store attrotion at the store of the st

Twiss of brene at this beer and weiting in my tarty, and diboard my Proceed weiting to my works therein and the block wis up that I would be the second first and the second second second second first second first second second

But very early in the meening poor Q2097, Wo had even the shorting star, and wins wein parmaided that a meteorite lay somewhave on the common between Herrold, Ottorchwa and Wolking, rease early with the idea of sinding it. Find it he did, soon after daws, and not far from the sandpoint. As aroarmous hole had been made by the impost of the projectile, and the sand and grave had been flung. violently in every direction over the heath and heather, forming heaps visible a mite and a half away. The besther was on free eastward, and a thin blue amake rows availant the down.

The Thing Instit any shows earlierly buried in advantation the sattered sphere or in deriver in balance of the sattered sphere or in the sattere of the balance of the sattered sphere of the sattere of the order over, and the coefficient of the sattere of the dame shows and the coefficient of the sattere of the dame shows and the coefficient of the sattere of the dame shows and the coefficient of the sattere of the sattered over, and the coefficient of the sattered over of the sattered over the sattered over the sattered within the offset over approach. A sattered and the sattered over the sattered to the sattered over the overal to him shall be made to be sattered to the sattered to him shall the might be indexed.

He resulted datasility at the edge of the pit that the thing and mode for stell, starting at its strange apparences, automided chiefy at its stranged shape and ooler, and datup perotifying are then sense actidates of definition of the strange strange of the strange strange of the strange strange pitcheres turned workfolge, we alterning ware low division resember basering any birth that mooring, there was extensive an intervention from which indexy efficience. If we and above on the conbit indexy efficience. If we and above on the content of the strange strange strange strange strange strange and the strange strange

Then suddenly he noticed with a start that scons of the gray dilator, the safe incurtation that covered the meteorite, was failing of the dronike edge of the and. It was dropping off in fakes and ratiing down upon the rand. A large piece suddenly come off and fell with a charp noise that brought his heart into his month.

For a minute he scarcely realized what his meant, and, hibough the heat was accessive, he clambured down into the pit chese to the bulk to as the thing more clearly. He fancied even them that the cooling of the iody might acceut for this, but what disturbed that idea was the fact that the and was failling only from the end of the criticher.

And then he purceived that, very always, the circular top of the efficience was relating on its backiller top through another that is downword it is not having the additional that is the downword it is not the efficience of the second methods and the information. When the isoarcaly multiple quality ground and sew the black second just forward as a took ers. Then the black second just hum in a dash. The optimizer was artiful the boards the optimizer of the second second second second second hum in a dash. The optimizer was artiful the boards the optimizer meanwork in the for

"Good heavens?" said Ogfivy. "There's a rean in it-man in it' Half reasted to death! Trying to enope?"

At core, with a quick mental loop, he linked the thing with a fight upon Maya.

THE thought of the confined creature was so dreadful to him that he forgot the heat, and went forward to the opinder to help turn. But holdly the dail radiation arrested him hefere he could harm his hands on the still glowwig methil, At that he signal prevails for a moment, thus using a semider of the pit, and or of rounding comparing the signal pit of the pit, and of the pit, and of the pit, and pit of rounding comparison there is a substantial that which has a signal that which has a signal pit of the pit of the

"Henderson," he called, "you saw that abouting star has injoint?"

"Well ?" eaid Henderson.

"It's out on Horsholl Common now."

"Gool Lord?" said Henderson. "Pallen meteorite! That's word."

"But it's something more than a meteorite. It's a cylinder--an artificial cylinder, man! And there's something familes"

Headerson stood up with his spade in his hand.

"What's that?" he said. He is deaf in one car.

Opticy told kins all that has had seen. Henderson was a statute or a taking it in. Then be drogged his gada, anatched at his jocks, and cause soil takin the read. The two mess harving backs at once is the dromans, and found the culturier statill bying its the same position. That sow the scenals issuith and crossel, and a thin circle at bright metal aboved between the try and the holy of the cylinder. At was since scentrag or sampling at the rife with a thin, stating word.

They listened, rapped on the scale with a stick, and, meeting with no response, they both concluded the man or men inside must be insecutible or deed.

Of corres the two were quite mable to do anything. They should consolidor and promises, and were of hack to the two maxim to get help. One can imaging them, covered with maxi, excited and donotered, vanning up the little strest is the helpful wallphi, that with the shop ficks were spaning their holreous withows. Thuskens were tables down their hutters and people were opening their holreous withows. Thuskens were the the first holneous withows. Thuskens were the the first holters withows. Thus is access to informable the reserves to the first state of the reservice of the hole.

By eight o'clock a number of boys and uneuphyred mes had nearly started for the correspondence see the 'Visid men from Mars.'' That was the form the story took. I hered of it first from your may nearphyre hoy, about a quarter to mine, when I weets out to at my Deby Cloveich. I was naturally startied, and let no throw in poing out and across the Ottaralaw tridge to the samplate.

#### CHAPTER III

#### On Horeall Common

FOUND a little crowd of perhaps twenty people averanding the huge hole in which the optimance of that obtanal built, imitediad in the ground. The turf and graval about it scenario charred as ff is a sufface scalarios. No doubt it is branch hol caused a firsh of fire. Henderson and Ogflyy were not there. I think they parcoved that nothing was to be done for the present, and had gone away to breakfirst at Henderson's house.

There were four or its boys eitting on the edge of the pit, with their feet dauging, and avauing threaselves-until I stopped them-day throwing stones at the giant mass. After I had spoken to them shoul it, they hegun playing at "book" in and out of the group of brokenders.

Among these were scored to expect a solution protocol transport constraints, a pittude bar, and the bardy Green be intribute and fait full bar, and the protocol transport of the solution of the full constraints of the solution of the solution of the full constraints of the solution of

If we an only where T pert three since to it that the transmost of histopic was at all orders to not. At the first glasses if was really as more coldings to the real since the since the since the since the real since the since the since the since the since the real since the real since the since

At that time it was quite clear in any own multitot, the TURD was associated with the theory of the original theory of the theory resulting of the constanting management, such the dimension of the constanting management. Accord the theory of the theory of the second second second with the theory of the second second second second full of such theory have been in Marytany. The theory of the theory of the second second second second full of such theory have been in Marytany. The theory of the theory of the second second

Is the afternoon the appearance of the common had altered very much. The early editions of the evening papers had startled Landon with enormous bradilines:

#### "A MESSAGE RECEIVED FROM MARS," "REMARKABLE STORY FROM WOXING."

and so forth. In addition, Ogilvy's wire to the Astronomical Exchange had roused every observatory in the three kinedome.

Three were half a doisen cahs or more from the Wolting station standing in the road by the sandpits, a basket chains from Chobham, and a rather lerdly carriage. Besides that, there was quite a heap of bicycles. In addition, a large number of people must have walled, in spite of the bast of the day, from Woking and Chertaey, so that there was altogether quite a considerable crowd-one or two guilt dressed ladas among the others.

It was giaringly but, not a cloud in the sky, nor a booth of wind, and the only hadrow was that of the fere southered procedures. The huming hashing and been estimational on for an one could say Orientakaw was blocknown in the meta could say interprotego scientistic divides in the Oblinian Road had sout up has non with a intraw-load of green suples and given-boxe.

0.000 bits have a pairs of the pill, I found It securified by a prior of a data half a down most Hendrerow, Oplicy, and a tail fair-baired man that I afterwards learned was Reveal, the Autoenternet Revolution of the way spicing direction in a decay, high-pitcher traves. He was standing on the oplinking, which was now ordicatly much cooler) in face was reframed and stranting with perspiration, and anosthing second a have triffiched him.

A large pection of the cylinder had been uncovered, though its lower and was still embedded. As noon as Ogfivy saw me among the starting erowed on the edge of the pit, he celled to me to earne down, and asked me if I would mind geing over to exc Lord Wither, the lard of the manor.

The growthy erouth he usid, was becoming a science impediator to their accessions in the second the boys. They wanted a light railing pot up, and faint shirring was creationally still and blow within the case, but that the workness had failed to moarise the last and the second still show the second rate of the last scanning which, and it was possible that the latet scanning we heard represented

I was very glot to do as he mated, and so become not of the get/fixed spectrators within the contemnated endourn. I failed to find Lord RRies at his house, but I was fold by use expected from Lankin by the six officiek train from Waterboy, and as it was then about a quarty part for, I went here, hid seems tos, and walked up to the statem to waylay him.

#### CHAPTER IV

#### The Cylinder Unscrews

WillFixI returned to the original wave burrying to particle Scattering requires were burrying two percease were returning. The record about the pit had intrastand, and atood out kinds against the formoryiding of the sky-ac enzyle of hundred years percease. These were an instater of volces related, and the sky-activity is marked by the state of the properties of the sky-activity is marked by the properties of the sky-activity is marked by the properties of the sky-activity is stated by the sky-activity is stated by the sky-activity is "face back" (New bold")

hav some sumplay towards ma

"It's a movin'," he said to me as he passed-"sscrewin' and a-screwin' out. I don't like it. Pm amin' tree, I am." I went on to the crowd. There were really, I should think, two or three hundred people sibewing and jostling one another, the one or two joins there being by a mean the least artice.

"He's fallen in the pot!" crisd someone.

"Keep hack!" said saversi.

The crowd pwayod a little, and I allowed my way through. Everyone scened greatly excited. I heard a peculiar humming scened from the pit.

"I say !" said Ogiby, "boby keep those block. We don't know what's in the confounded thing, you know ?"

I saw a young man, a shop assistant in Woking I believe be was, standing on the cylinder and trying to soramble out of the hole again. The crowd had mashed him in.

The end of the optimize was being recreated out from within. Navier hus fact dishing score priciicated. Somehody Hundreds animations and 1 norreselv misual being pitched in or to he toy of the screw. I turned, and as 1 did so the strew must have come out, and do hild of the optime field word. How miss the prime blend more, and turned my blend interprised being and the streket was allow into the prime blend more, and turned my being knoweds the Thing septem. For a moment heir issual in my ways preferibly blends. I had he

I think everyme expected to see a man currentpossible scavables is with a culture or treaterint manima in all essentials a man. Those T did. Bet, looking, I presently as wortestiking a triange within the shadow-grayith billowy movements, one above sandbar, and then two luminous dists. Bio grate months, and then two luminous dists. Bio grath or sensiting a fittle main, about the thickness of a weldingstelf, cold out out of the working model as another.

A statism offic case over inc. There was a heat which frees we seem to blind. I had trend, howheat we we have a statism of the statism of the mean pathing are we back from the odds of the pits. I are setting the statism of the statism of the eminimum on the line of the statism of the eminimum on the line of the statism and the eminimum on the line of the statism of the statism

A big strugth, reunded kolk, the its, perhaps, of a bars, we risk plotty and grantfully col of the cyclinder. As it bulged up and sample the light, it gittisted like we lotter. Two large dark-acted cases are regarding from strukfactly. It was rounded, and had, one might away. A face. There was a month under the uppe, the lights frint of The boty bases and pulsation convolutively. A histic instance argonating stripped the edge of the tylinder, anakter wavyed in this as:

Those who have naver seen a living Martian can searcady imagine the strenge hereor of their oppearance. The peculiar V-shaped mouth with its pointed upper lip, the absence of keyw ridges, the absence of a chin kernakh, the weige-like leaver lip, the increasing querefrage of this meeting, his Gorgeo errors of technics, his furnillum heavibing of heaviers and polarisis of movement, due to the granter gravitational energy of the intense proeminantal in an effect abit to heavier—abive and has extraordinary intensity of the intense. There was assuching funged in the only between skin annuchung in hardword differentiation of that to be our comments in angle deally teerhis. Even at this with distance and decad.

SUBJENTLY the meanter vanished. It had SUBJENTLY the inter of the gradient case limits into the put, with a thus like this fail of a press mass of instruct. I have it up two a possible fibiliery, and furthwith mather of these creations appared darky in the deep instance of the sporting. At thut may report of interior passed avery. I group of trues, prelings a hundred passion avery, but I ran similarly and starmfling, for I could not aver nor face from these things.

These sensing some prime prime prime sensities and torus the theory of the standard wave to the pointers. This immune reads the analysis we with the standard sensities of the standard sensities of the standard sensities at these versions, or, rather, at the sensiti prime of the description of the standard sensities at these versions and sensitive the standard sensitive prime of standard sensitive the standard sensitive standar

The splitting way to a quite invisible, bollon its the deep pin and the base of sead that the full of the deep pin and the base of sead that the full of the splitting way are splitting as a splitting of particities and the splitting of the splitting of parhaus a handled peeps or new shealther in a gradhaus a handled peeps or new shealther in a gradheat in have, waited shorting, and shares, statistic due to have, sealed shorting, and shares, statistic that in have, sealed shorting, and shares, statistic because of a sealer of a sealer of the short has because age, and in the analytic way are new of short in the short has a sealer of the short has because age, and in the sale-joint way are new of short way and short has been and short has been been as a sealer of the short has been as a sealer of the because age, and in the sale-joint way are new of the short of which way the 's how of solution to the

#### CHAPTER V

#### The Heat-Ray

A FTRR the glimps I had had of the Martians emerging from the cylinder to which they had ence is the ourch from their plunct, a kind of fascination paralyzed my actions. I remained standing least-deep in the heather, starting at the mound that had them. I was a battleground of fasc and carlinder.

I did not dure to go beck toward the pit, but I feit a passionate longing to peer into it. I began

wolking, therefore, in a big curve, neeking same petient of variatory, and continually looking at the sami-besage that hind these new-cremers to cure anth-Ones a leach of than black which, like the areas of an orthogon, flabshed across the samat and was inmultisky withfrawen, and afterworks at this red ross my famil by yield, bearing at the loget a dress outfil he course at these. What

Must of the inperimers had guthered in one or two groups—can still crowed towards Weiking, the other a kend of people in the direction of Other hom. Brödently they alared my mental conflict. There were fore near ma. One min T approximato way. I perceived, a neighbour of mine, though I did not know this name—and screeted. But it was severed a time for articulate conversion.

"What ugly drates?" he said. "Good God! what ugly brates?" He repeated this over and over again.

"Bid you use a must list be bill?" Landy but he make no must survey to that. We because affects, and stood workshing for a time site by side, deriving. I farsay, a certain content in one accorder's semanary. Time I althed may position to a little should built gave and the site of a grad or more of slavation, and when I lasked for him presently he was walking tewards Wolking.

The susset field to turlight before anything further kappened. The crowd for away on the left, issuant Wohing, second to grow, and I hand now a faint sizence from it. The little kast of people towards Cholham dispersed. There was secretly an infilmation of mercement from the ait.

Is was this, so much as anything, that gives people course, and 1 reupson the new arrival from Wolfing also helped to restore emtainess. At any rolt, as 10 edits more any, a how interaction movement upon the analysis hears, an overraried twenty and the standard standard standard standard vertices along whether the original results with the standard standard standard standard standard vertices, along walds, and advance again, specoular out as they did no in a thin (regardler created that 1, how one or did hearts in more treated that the

Then I are some cohoren and others had walled buildy into the sand-pots, and head the daties of herds and the grind of wheels. I save a last trendling of the barrow of apples. And then, within hirty yards of the pit, advancing from the direction of Horsell I noted a little black keet of men, the foremost of whom was avaying a white far.

Whis was the Deputation. There had been a hasty consultation, and, since the Martians were evidently, in spits of their regulative forms, intelligent creatures, it had been resolved to show them, by approaching tham with signals, that we, too, were intelliment.

Flatter, flatter, west the flag, first to the right, that to the left. It was too far for me to recogtize anyone there, but afterwards I learned that Qelly, Stort, and Henderson were with others in this attempt at communication. This Ettic group had in its advance dragged invest, so to speak, the diramformer of the new should comcluse of the

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of people, and a number of dim black figures followed it at discrete distances.

Suddenly there was a dash of light, and a quantity of involves greenish emolas came out of the pst as three distinct paffs, which drove up one after the other, straight into the still air.

This analog (or firms, perhaps, would be the better word (r) was no bright that the deep blue also continuit, and the have stretches of brown summon towards: Cherkery, set with black pinttrees, neural to darken alwuptly as these parts aroos, and to remain the darker after their disported. At the same time a faint bising sound because and/bla.

B STOND the pit stood the little wedge of people, with the white flag at the spex, arrested by these phenomens, a little knot of email vertical black shapes upon the black ground. As the green smale rose, their faces statied out pailed green, and fude again as it wonthed.

Then slowly the binning passed into a humming, into a long, bond, droning noise. Slowly a humped shape rore out of the pit, and the ghost of a beam of light seemed to flicker out from it.

Forthwith fisches of actual firms, a bright glore lesping from one to another, sprang from the costtered group of men. It was as if some invisitiget impiged upon them and fisched into white firms. It was as if each man were radiculy and momentarily turned to fire.

Then, by the light of their own destruction, I saw them staggering and failing, and their supporters turning to ran.

I stood storing, not us yet realizing that this was daab beging from ram to man in that like distant corwed. All I felt was that it was sumething stronger, and a sum fail heading and hay still, and as the unners shaft fact gasaf over distingtion of the sumes shaft fact gasaf over distingtion of the sumes shaft of the standard over them, prime-trees harmst into face, and every day first-blank because with one shall the a sum so of the factors of trees and beings and wooden buildtes together be alloth.

It was superfug read swittly and statilly, this famine data, the invitable, switch discovered of heat. I generated it coming tension in the the data of the second statistical statistical and the in the same of the models superfug and the interface of the second statistical statistical the second statistical statistical statistical and the second statistical statis

All this had bagpened with such swiftness that I had stood methonless, dumfounded and dataled by the fisahas of light. Hid that death swept through a full circle, it must inevitably have solar me in my surprise. But it unused and unared me, and left the night about me suddenly dark and unfamiliar.

The tablishing continue strend new dark alreed to the short of the double strength of the strength and the one dark, and tablishing and different of the strength in we dark, and tablishing and different black. The term of the processor different black. The strength of the processor different black. The strength of the processor different black. The different black and black regulations were all terms the interface and their regulations were all terms that it is an interface and the strength of the strengt

Nothing was charged save for that and a terrible astenishment. The little group of black specks with the flag of white had been even to of existence, and the milleous of the evening, so it seemed to me, had exarer's been broken.

It came to me that I was upon this dark common helplers, unprotected and slone. Suddenly like a thing failing upon me from without same-Four.

With an effort I turned and began a stumbling ren through the beather.

The frar I felt was no rational fear but a parke terror, not only of the Martians, but of the dusk and stillness all about me. Such are extracrdinary effect in unmanning me it had that I ran weeping silently as a child neght do. Otce I had turned, I did not dure to hook back.

I remember I felt an extraordinary persuadon that I was being played with, that presently, when I was upon the very veryer of arfity, this myreterous death—as swift as the passage of light—would leap after me from the pit about the cylinder, and strike me down.

#### CHAPTER VI

#### The Heat-Ray in the Chobham Road

If is all is matter of works have the Martinas for a lab to give more conflying out out-designgranters in theme is put in a shared out of the shared particular is the start when the shared out of the shared particular is shared when a grant start start with the protect in a shared before a shared out of the particular interaction is a shared before a share of shared out of maknows memory-dominion-match as the particular interaction is high-house payota is a bound of the mathematical start and the shared out of the shared basis is the senses of the matter. House of the basis is the senses of the matter. House out the basis is the senses of the matter. House out the basis is the senses of the matter. House out the basis is the senses of the matter. House out the basis is the senses of the matter is a shared of the senses of the matter is a shared basis in the basis is the senses of the matter is a shared basis. The basis is the senses of the matter is a shared basis is where the offerer interaction basis is the sense interaction the sense is a shared basis in the basis of the sense is a shared basis in the sense of the matter is a shared basis in where the offerer interaction by the sense of solution basis stars.

That night meanly forty people lay under the startight about the pit, charged and distorted beyoud recognition, and sid night long the common from Horsell to Maybury was described, and brightly abase.

The news of the massacre probably reached Chohham, Woking, and Ottershaw about the rame time. In Wolking the shops had closed when the timely happened, and a number of people, shorpeople and so forth, attracted by the stores they hold heard, serve withing our Heard Bridge and Ange the read between the backers is in ran at young people burnels on a star in the store of the st

As yet, of course, few people in Woking even knaw that the oplither had opened, through poer Henderron had sent a messenger on a biograph to the post-office with a special wire to an evening paper.

As these folls came out by twee and threes upon the open they found little knots of people talking scottedly, and psersing at the spinning mitror over the sami-pots, and the new-comore were, no double, seen infected by the excitament of the occasion.

By had part eight, when the Deputation was destroyed, there may have here a cover of 030 people or move at the place, busies those who had left the read to approach bus Martines mercer. There were there pallement, too, one of whem was meanted, about place inductions of the there in the Reat, is keep the people hack and siter them. From specusitize the volume, There was not about approximate the volume, there was not about whom a crewel is always an occordon for taking and managing.

<sup>100</sup> Stort and opticy, assigned participating some possibilities of a cellinice, and integrated for form Result to the horarake as none as the Mardians compared, for the holy of a compared of noilines to protect these strange creatures from violance. After that they viscand to lead that illifield advance. The description of their death, as it was seen by the creat, utilities were chosen of the years. The burning noise, and that finded advances the desburning noise, and the dashes of these.

But that enough of particle had a first accrosses or seque that makes. Goty the first that is hemeropholegation of the sequence of the sequence of the Heat Ray avoid them. Heat the solution of the provided mitter heat a first yield higher, more provided that the them a first private higher, more sequence of the sequence of the sequence has not been as the sequence of the sequence has not been as the sequence of the sequence has heat as a sequence of the sequence has a heat as a sequence of the sequence has a heat as a sequence of the sequence of the heat as a shown the device of the private heat and heat as a shown the device of the private heat and heat as a shown the device of the private heat and heat as a sequence of the sequence of the heat as a sequence of the sequence of the heat as a sequence of the sequence of the sequence heat as a sequence of the sequence of the sequence heat as a sequence of the sequence of the sequence heat as a sequence of the sequence of the sequence heat as a sequence of the sequence of the sequence heat as a sequence of the sequence of the sequence of the heat as a sequence of the sequence of the sequence of the heat as a sequence of the sequence of the sequence of the heat as a sequence of the sequence of the sequence of the heat as a sequence of the sequence of the sequence of the heat as a sequence of the sequence of the sequence of the heat as a sequence of the sequence of the sequence of the heat as a sequence of the sequ

In the sudden thus, hise and glars of the igniting frees, the penic-stricken crowd seems to have oweyed hesitatingly for some moments.

Sparks and kurning twige began to fall into the road, and single leaves like paths of fame. Hais and dresses caught fire. Then some a crying from the carmon,

There were shricks and shouts, and suddenly a mounted policeman came galloping through the confusion with his hands chaped over his head, screening,

The interval of the second sec

#### CHAPTER VII

#### How I Reached Home

Rook my compact, 1 renember zoohing of my fishet accept the stress of bundering against trees and starbiling through the heather. An taken my pathered the hydridic terreers of the Martinas, then pittless award of heat samed whiling the and frue, describing overhead before it becauded and one of the stress of the stress of the workthe stress of the stress of the stress of the stress into the terress terrels, and read its of the stress bits to the create-reads.

At last 1 could go no further; 1 was exhamled with the violence of my entoilen and of my flight, and I staggered and fell by the wayside. That was near the bridge that crosses the casal by the gasworks. I fell and hy still.

I must have remained there some time.

Last up, drampt performed, Fre a wordt, has the drampt performed and the second secon

I create and wellied muticality up the steep incline of the bridge, My mud was black worder. My matches incl nerves seemed deviced of their back one over the arch, and the flatter of the back one over the arch, and the flatter of a workhand over over the scale, and the flatter of a workman excrying a basket apposed. Beside him near of the back of the passed free, which are pronight. I was minded to speak to him, and did at 1 answered his greating works.

Ourse the Maybury such a train, a hillowing termit of which first masks, and a long caterpillar of lighted windows, weet Syring acuts: ids train, acuter, editer, and the such acuts is the such acuts and the such acuts and the heaves in the pretty little ress of galace that was clieft Oriental Terrens. It was all so real and so families. And that behind next It was frontly, functional Such this, and ungooid, could set But the trouble was the blank incongrafty of this serveity and the wrift death flying younter, not two miles away. There was a mise of huminan from the gasworks and the identic hangs were all alight. I stopped at the group of people.

"What news from the common?" said L

There were two men and a woman at the gata.

"Eh?" said one of the max, turning,

"What news from the common?" I said.

"Ain't ver just door there?" asked the mun.

"People room fair silly about the common," sold the woman over the gate, "What's it all abort?"

"Haven't you heard of the men from Mars?" sold L. "The constance from Mars?"

"Quite enough," said the woman over the gata. "Thenks." and all three of them laughed.

I felt foolish and angry. I tried and found I could not tell them what I had nom. They laughed could at my braken sentences.

"You'll hear more yet," I said, and went on to my home.

I STARTLED my wife at the doceway, so happard was 1. I want into the dising-roun, set down, drath acres wite, and se soon at I could collect myself sufficiently toil har the things I had seen. The dimer, which was a cold one, had larrady been sorred, and remained neglected on the table with I teld any store.

"Three is one thing," I ould to allay the form I had around. "They are the most sluggish things I cove new crash. They may keep the pit and kill people who come near them, but they cannot got out of it... But the herror of them?"

"Don't, dear !" said my wife, knitting her brows and putting her hand on mine

"Poor Oglby?" I said. "To think he may he bring dead there!"

My wife at least did not find my experience incredible. When I saw how deadly white her face was, I encode abruptly.

"They may come here," she said again and again. I pressed her to take wise, and tried to reassure her.

"They can searcely move," I said.

I beam to sanfer her and myself by resenting at that Guily such taking the three structures of the factorian statistical term of the three structures of the structure statistical procession of the structure of the structure of the structure of structure of gravity to three times what is is on the surface of Mars. A Martin, therefore, we well weigh three of Mars. A Martin, therefore, we well weigh three times more than an Mars, affeld his mounties that a copy of law is same. The non-body would be a copy of law is same. The one holy would be a copy of law is same. The structure on the built of structure, for instance, invisited on it the next morning, and both overlooked, just as I did, two obvious modifying influences.

The atmosphere of the earlie, we now know, othtions for more surgets or far lines mixtupen (wildleland the strength of the second strength of the properties in the second strength of the second exhibition is a strength of the second strength of that most mechanical installigence as the Mierillanthat most mechanical installigence is the Mierillanth of the second pairs, we all eventhous the Mierillanth and mechanical installigence is the Mierillanth most of the second se

But I did not consider these points at the time, and so my reasoning was dead against the thances of the involvers. With when and food, the senthdence of my own table, and the necessity of reassuring my wife, I grow, by insenable degrees, covaracross and scours.

"They have done a foolish thing," sold I, forgering my wineglas. "They are dangerous, became no doubt they are mad with terror. Perhaps they espected is find no living things--certainly no intelligent living things. A shell in the pit," and J, "If the worst comes to the worst, will kill them all."

The intense exclusion of the event hold De double fitty property sources in a state of ereblism. The researcher that discussibility with our event, actions for proving at its Derive under the pitch integrabulat, the white doubt with the other and pitch tangendament. The state of the state of the pitch integrabulat, the white doubt with the other and pitch tangendament. The state of the state of the pitch integrabulat, the end of at 1 at the integration of the state of the state of the state of the state of the pitch integrabulat, the end of at 1 at the integration pitch integrabulation is a state of the state witch is the state of the state of the state of the state of the state Neutrons.

So once respectable dodo in the Mauritius might have borded it in his nest, and discussed the arrival of their shipful of pólileas salices in want of animal food. "We will peck them to death tomerrow, my deer."

I did not know it, but that was the last eivillard dimer I was to est for very many long and terrible fors.

#### CRAPTER VIII

#### Priday Night

The start of the second second

In London that night poor Handerson's telegram

descripting the gradual unsurewing of the shot was judged to be a ransed, and his evening paper, after wiring for authentication from him and receiving no reply—the min was killed...freided not to print a unscale without

Within the free-nile strele over the great majority of spepic were last. I have already doscribed the behaviour of the mess and werman to whom I apple. All over the district payshe were daming and supping: working-men were gendening after the lasters of the also, children were being put to hell ystrag poople were wandering through the laster low-making, itudients and over the books.

Maybe there was a marmar in fise village strengs a need and invaluant topic in the public-bouxes, instance of the later occurrences, associat a whirt do excitoment, a scheoring and a running to and fray but for the most part the daily routine of weeking, sating, drahage, alonging, worth can all this does for complex prince—as though no plant Marg Hornel and Ghoham that was the Stee.

In which proton, will a Ab have, builds on the observation of the strengthener of the strengthener line and strengtheners over digitizer and strengtheners in a star overlaphic over proton for the strengtheners in a star overlaphic overlaphic proton of the strengtheners in a star overlaphic overlaphic proton of the strengtheners in a star overlaphic of the strengtheners overlaphic overlaphic overlaphic overlaphic overlaphic overlaphic transmission of the strengtheners overlaphic overlaphic proton in the strength strengtheners overlaphic overlaphic overlaphic strengtheners overlaphic overlaphic overlaphic overlaphic strengtheners overlaphic overlaphic overlaphic a transmission overlaphic overlaphic overlaphic overlaphic overlaphic strengtheners overlaphic overlaphic overlaphic overlaphic overlaphic strengtheners overlaphic. The strengtheners overlaphic transmission overlaphic overlaphic overlaphic overlaphic overlaphic overlaphic strengtheners overlaphic overlaphic overlaphic strengtheners overlaphic overlaph

A sensure reveal layered reationty, people oursing and eight but the prevel sensiting, both on the Cholman and Harrol Indiges. One of two the Cholman and Harrol Indiges. One of two into the drakases and consider when are the Marture, but they sever returned, for new and spatitery. But heys never returned, for new and spatitery into the drakases and consider when the drawned budges in gradout and the dra

 $S^0$  yea have the state of things on Priday night. In the centre, sticking into the skin of our dd pharet Barth like a pelotonel dart, was this cylinder. But the polson was scarredy working yet Arcund it was a patch of silest common, smooldring in phones, and with a few dark, timby near

objects jring in contorted attitudes here and there, here and there was a barroung brack or tree. Byroni was a frame of exofication, and further thus that frame the inflammation had not cougt a yie. In as it had formed for immematical years. The force of was that would presadly large with and artispy, dashen narws and dastrop brann, had attill to develop.

All night long the Martians were harmering and stirring, obeplons, indicidigable, at work upon the machanes they were maining ready, and ever and again a puff of greenish-white anske whirid up to the attril take.

Most series a company of sollier cases howed, have, and howed have the self of the statebard, and howed have the self of the statemetried thresh Cashian to duply us the archite of the company. Even if there from the in the dup, and one, Major Dira, we reported to in the duply. The Collect of the relation of the landing. The Collect of the relation of the the even existing way to the architecture of the even at maintight. The military authorities were adding way to have a regardent of Lineara, rule were adding way of the sector and the landing were adding way of the sector of the landing terms, and hour of the sector of the landing terms and hour of the sector of the landing terms and hour of the sector of the landing terms and hour of the sector of the landing terms.

A few seconds after midnight the crowd in the Chortoxy rood, Woking, saw a star full from heaven into the piece-woods to the north-weat. It fell with a grownsk light, causing a flash of light like summer lightinger. This was the second eventer.

#### CHAPTER IX

#### The Fighting Begins

Saturdina and the second secon

The millimm name as naml. I heard the retille of his charies, and I went round to the side-gate to ask the histor mers. He told no thing during the slight the Martians had been surreconded by treeps, and that gums were expected. These, a femiliar reasoning mote, I heard a tesim running towards Working.

"They aren't to be killed," said the milkman, "if that can nearbhy be availed."

I now my meighber gardening, chatted with him for a time, and then strelled in to breakfast. It was a mast unsamptical morning. My neighber was of option that the troops would be able to captere or to dottroy the Martinas during the day.

"It's a pity they make themselves so unapproachable," he said. "It would be curious to learn how they hav on another planet; we might learn a thing or two."

He came up to the fence and extended a bandful of structures, for his gardening was as grearous as it was enthusiantic. At the same time he told me of the burning of the pine-woods about the Byfleet Golf Links.

By 100 0001 annual. "They say?", soid ha, "that there's another of those Messel through Link there—number how. But only couply, using." This fold such has maximum popule a pretty paray before everything's action." the same start is a superior of the same start same start in the same start is a superior of the same same start is a superior of the same start is a the same start is a superior of the same start is a same the same start is a superior of the same start is a same the same start is a superior of the same start is a same the same start is a superior of the same start is a same the same start is a same start and then start superior a same start is a same start is

After invariant, instead of evention, I benches, normalisation, I and a second set in the second set in the second set in the second set in the second set particular invariants and in the second set in the second second set in the second second set is and in the second se

"Oraset up under cover and rush 'ere, say L"

"Get aht?" sold another. "What's Cover against this 'ere 'eat? Sticks to cook yer! What we get to do is to go as near as the ground'll let us, and then drive a trench."

"Blow yer treaches! You always want trenches; yee ought to he' been been a rabit, Saipry."

"Ain't they got any necks, then "" said a third abruytly----a little, contemplative, dark man, amoking a pipe

I repeated my description.

"Ortoposes," said bo, "that's what I calls 'am. Talk about fahers of men-fighters of fish it is this time!"

"It shift no murder killing beasts like that," said the first speaker.

"Why not shell the darn things strite off and finish 'em?" said the little dark man. "You carnt tell what they might do."

"Whete's your shells?" said the first speaker. "There sin't no time. Do it in a rush, that's my tip, and do it at once "

So they discussed it. After a while I left them, and went on to the railway-station to get as many morning pepers as I could.

Bit I will not weary the reader with a description of that hoge marcing and of the lenger afternoon. I do not succeed in petting a gimpse of the common, for even Horsell and Chotham chreph theorem were in the hands of the military authorities. The roblers I addressed unit know anything: the officers were movestrices as well as hurr. I found people in the town quite secure again in the precesse of the military, and I heard for the first time from Marchall, the tobaccosit, that his non was among the dead on the common. The solitars had made the people on the solikits of Hersell lick up and larve their houses.

Let us the second state of the second state state

I must confines the sight of all bits armament, all bits preparation, providy cashed pro, My (magnet strain and the strain arman strain arman strain worker in a down attriking ways sheet the inworker in a down attriking ways and the my scheduley dreams of builts and involve range back. It bits ways and builts and involve range back. It bits ways and a strain arma strain time. They recently a sign right to me at the time.

About three orients there begues the third of a size at measured linkerials free Chartsey or Addisstone. I berrade that the secondariance pine-words idea which the recent of utilistic and failure mas being shalled, in the loge of destroying that object hotpes in speech. It was only about flow, however, that a field quie reached Cabohaus for use against the first below of Nartians.

About sits in the eventing, as  $1 \ge 10$  at the well over wift in this surpressions in black researchy to wift in this surge of  $10^{-1}$  cm s  $^{-1}$  the theorem is the second second second second second based is a surface of the second based second second second second second second based second based second secon

I and my wife stood amazed. Then I realized that the crust of Mayhary Hill must be within range of the Marifans' Heal-Ray now that the colkeys was cleared out of the way.

At that I gripped my wife's arm, and without overcouter rain her out into the road. Then I fetched

out the servant, telling her I would go upstairs myself for the hox she was characuring for.

"We can't possibly stay here," I said; and as I spoke the firing re-opened for a moment upon the common,

"But where are we to go?" said my wife in terror.

I thought, perplexed. Then I remembered her counting at Lentherbood.

"Leatherhead !" I should above the sudden noise, She looked away from me downhill. The people were coming out of their houses astonished.

"How are we to get to Leatherhead?" also said.

Down the hill Laws a bery of husans rids under the railway-bridge; three galloyed through the open gates of the Oriental College; two others dismounted, and began running from hume to husas. The san, shining through the smalle that drows up from the tops of the trees, seemed blood-sed, and three an unfamiliar lared light upcas everything.

"Bogs here," and E.; "yau are ach here," and I extract of its tones for the RestLot. Dee, for J brow the landlord had a heres and depart. I rac, for J perceived that it is measured everyons agen this alta of the hill would be meeting. I found him in his har, quite universe of what was pring on bolind his heaves. A main alcost with his back to me, tabling in him.

"I must have a pound," said the landlord, "and Fys no one to drive 14."

"I'll give you two," said L over the stranger's shoulder,

"What for I"

"And I'll bring it back by midnight." I said.

"Lord ?" said the knollord, "whet's the hurry? I'm selling my bit of a pig. Two pounds, and you bring it back? What's going on now?"

I explained hostily that I had to have my benus and as second the denset. At the time it that not add as second the denset. At the time it that not alread these, derver it of dense the read, such as the second tense, derver it of dense the read, such, having and these, derver it of dense the read, such, having and these, derver it of dense the read, such, having and the derver of the dense the read the second second second second second second second second dense when it, and to ferth. This technole is used as the dense were horming while it did this, and the such as the dense of derver of e.e. Which is us as enorm remaining and the way ending free horses is as I can see out of my freed deer, largelar my transtom dense to the dense of the dense dense dense of the dense dense dense dense dense dense dense were dense provides to have. The way ending of the theories dense were dense provides to have. The search dense dense were dense provides to have. The search dense dense were dense provides to have. The search dense dense were dense as taken the the the initial define the search dense dense the dense dense dense dense dense dense dense dense dense as the sub-define the the initial define the dense den

"What news?"

It is urread, stored, haved screeching shows "rearwhips out as using little a site over," and rain on to the probe of the house at the event. A store of the store of the house at the event and both him for a summary it must be the both adoption of the store of the little store of the smoke and noise, and spanking down the opposite skype at Maybury Hill towards Old Woking.

The stress set of the stress

I are not an expert driver, and I had immediately to turn ray attention to the horse, when I include hark again the second kill had hidder the black smoke. I slashed the heres with the whip, and pave him a loces rein until Wohing and Send kay betwas us and that quivering turnult. I overtook and passed the doorp setween Wohing and Send.

#### CHAPTER X

#### In the Storm

LATHERHEAD is about review miles from Maying Hill. The senie of any was in the first and the budges on other and waves needed and gave with multiplics of directions. The basey fitting Maying Hill and Hill and Hill and Hill and Hill and Maying Hill could be able to the seniest of the Maying Hill could be able to the seniest of the August the seniest of the seniest of the seniest of basis and the heres had as hear's rest will it with a seniest one.

My will was curitony silest theraphone the drive, and account approach with foreholdings of eval. I tabled to her resonantingly, position cut that the Marinas were title the the jith by show that the Marinas were to the the big thy show that out of it, this wise assured only in restortypikhks. Mod it not been for my premise to the study in Easthermont that apply. Would had hand they in Easthermont that apply, would have hand there face, I retarmber, was very white as we percede.

For my smp part, I had been feveriably excited all day. Something very like the wavelener, that conversibly reasons through a childred community had got into my block and in my heart I was not apple. I wave some affect that its familiable 1 had been might mean the calorentration of our invations from Maxes. I can had a cogram say addus of mikel by saying that I wanted to be in at the dest.

It was nearly doven when I started to return. The night was unexpectedly dark; to me, walking out of the lighted passage of my equain's house. It

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#### THE WAR OF THE WORLDS

serned indeed block, and it was as bot and choos as the day. Overshead the cloud wave dwring fast, albeit not a breach attreed the shrute shout as My contains man like both heavys. Happily, I know the rood intrinstdy. My with stood in the light of the descerpt, and watchoo me until 1 jumged and wast is, leaving, any contains asis by side within ing me zood bas.

I was at this dependent at first with the contagion of my wifes facts, but years my my thoughts rewrited to the Mortlans. At that these the second second

Bigley fittest was descrid, and except for a lighted window or no the village biswell not a sign of 10%; but I surrowly encaged an mediant at the corner of the reads to Pyrode, where a know of works atom as a passed. I do not how whit they have not the things harponing boyend the 10%, or of a biswer it has also thereas it presed on my way have and and watching against the terror of the night.

Perm Righty until I came through Perford I was in the willing of the Wey, and the red alone based by free of the Wey, and the red line beautil by free Off, which are beautifue to init beautifue to the second the second the second rest infinition of the stores that was usen as ther. I based mininging mailing and free Perford Courds behind new, and then easing the side of the off high argument the red.

Even as I beheld this a furtid green given like the read about may and aboved the distant works towards Addiscance. I felt a tup at the reins. I naw that the driving clouds had been phered as it ware by a thread of green first molecular like ing their confusion and falling into the fields to the first. It was the Third Falling Start

Close on its argurithm, and blindingly violet by contrast, damond out the first lightings of the galacilling storm, and the thunder barret like a recket overbood. The barse took the bit between his teeth and bolled.

A molecule incluse runs down lowersh the fort of Mulviuy Hill, and dawn this we elittered. Groot the Erkitating hash bagen, it went on its at rapid a succession of the hash as 1 have ever near. The thindnet-class, transfig ence on the healt of succher and with a strange crazifing encompariment, sounded more like the working of a signific dootiet maxima share the grant docusting reverberstiet maxima share the grant docusting reverbers of 1 dreve does in the atom. A "first I regarded little but the read before readed by acceleration was moving regordly down the operate should be a further way in working regordly down the operate should be a first strain of the strain the strain II for the west read of a house, but you fixed for the strain of the strain strain the strain strain the investment. It was as a distribution—a memory benuing during a strain of the spina-trans, was more projectured a logic ensure so of the pain-trans.

And they thus: a new! How can I describe the A reneratives thrybic, blacks that, many heases, arbillar over the young pilot teas, and smaking the second second second second second second teal and the second second second second second distribution teams of a second second second second distribution teams of a second secon

Then sublishing the trees in the pine-weed about on more parket, as buttler reads are proted by a must be using though their; they wave, suppose a protect product and the product and the prosent structure of the product and the prosent structure of the product and the prosent structure of the product and the protect and of the product and the protect and the protect and the product and the protect and the product and the protect and the protect and the product and the protect and the protect and the product and the protect and the

I crowled out abused immediately, and ecouoled, une feel attill also water, water a demug of furne. This horse lay matinikes this neck was beaken. The horse lay matinikes this neck was beaken. The horse lay and by the lightmany flatnes I saw the black huffs of the overtured degrast, and the allocation of the wheel diff applications of the layer of the same of the lawords hyperford.

Been assure, the thing was forced by strange, for it was an owner linearist module refers as its way have been been assured and the rest of the strange theory in the strange body. It points the rest are been its strange body. It points the rest are stranged by the strange body. It points the rest and strange body and being about the Behn and strangest its more than the strange body and strangest its strange body. It points the strange strangest its strange body. It points the strange strangest its strangest body. It is strangest body and the strange body. It is strangest body and a strangest its strange body and the strangest and the strangest body. It is strangest body and the strangest the strangest body and the strangest body and the strangest the strangest body and the strangest body and the strangest the strangest body and the strangest body and the strangest the strangest body and the strangest body and the strangest the strangest body and the strangest body and the strangest the strangest body and the strangest body and the strangest the strangest body and the strangest body and the strangest the strangest body and the strangest body and the strangest the strangest body and the strangest body and the strangest the strangest body and the strangest body and the strangest the strangest body and the strangest body and the strangest the strangest body and the strangest body and the strangest the strangest body and the strangest body and the strangest the strangest body and the strangest body and the strangest the strangest body and the

So much I new then, all enguely for the fickering of the lightning, in binding high lights and dense black shadows.

As it passed it set up an exultant deafening

have thist drowned the thusing, "Alcol abov" and in another minute it was with its comparison, and half a mile away, steeping over accertaing in the field. I have no doubt then thung in the field was the third of the ten cylinders they had fired at us from Mirrs.

For some minutes I by there in the rain and duriness withing, by the intermittent hight, these montrous beings of metall maying about in the dotance over the height-space. A thin hall we now beginning, and as it came and word, their figures grave matrix and them finabed into chemeses spain. Now and then came a pap in the lightning, and the night wonlived there us.

I was soaked with hall above and puddle-water below. It was some time before my blank actorishment would let me struggle up the bank to a drier puddion, or think at all about my imminent peril.

Not for from me was a hitle one-recent agustter's hard wood, auromatch by a path of pathargarden. Iteragided to my feel at last, and, crouching and making use of every chance of cover, 1 make a ress for this. I harmored at the doer, but I could not make the papel hard (f) free were may people inside), and after a time I dodensity of the may, etc. at the section I dodensity of the may, etc. at the section I dodensity of the may of a do if he resulting, unstered by these montrous machines, into the pine-wood investign Kardwar.

Under cover of this I pushed on, I walked among ing now, towards my own house. I walked among the trees trying to find the footpath. It was wery dark indeed in the wood, for the lightning was new becoming infrequent, and the had, which was pearing down in a terrent, full in columns through the gaos in the heavy follow.

If I had fully realized the meaning of all the things I had near I shraid have immediately worked my way round through Bytter to Street Obtain, and to grate had to reject my wife at Lasiterbaad. But that night the atrangeness of things about me, and my physical wrecklohnen, presented me, for I was bruised, weary, we to the sin, destand and blinded by the storm.

I had a vagoe idea of going to my own house, and hat was a much robby as 1 hod. I atsognered through the trees, full into a ditch and brained with some shares a planit, and faulty splanhed out into the lave that ran down from the Goliges Arms, I asy splashed, for the store water was averplag the sund down the hill in a multir lowrest. There is result have, no Munical into an od set.

He prior a cry of terror, sprang sideways, and readed as before I could gather my with sufficiently to speak to him. So heavy was the strene of the storm just at this piace that I had the bardent task to via my way up the bill. I work show up to the frame on the left and worked my way along its callion.

Near the top T stambled upon something soft, and, by a finish of lightning, any between my feet in a heap of black broaddelin and a pair of bosts. Bafore I could distinguish desayl how the mone bay, the ficker of light had gamed. I steed over him widting fee the next fixeh, When it curve, I saw which he was a strongy may, chaoply but to the shelly? dressed; his head was bent under his solly, and he hay crumpled up close to the fence, as though be had been flung violently against it.

Overcoming the reprintince estimate to one who had never before totaked a data body, it stoeped and turned him over to feel for his heart. He was called data. Apprently his neck had been beeken. The lightning finished for a third time, and his face langt upon ms. I sprange to my fock. "It was the landberd of the Spetial Dog, whose conveyunce I had taken.

I stopped over birn gärgerby and pushed on up the hill. I much one way by the pairs attained and the Gellege Arms towards my own basics. Nothing was barraing on the biblioth, though freen the common these still cance a red gives and a roffing immit of enably enrole beacting on against the hand house and the wave mostly uniformed. By the Gellese Arms a direk how may in the word.

Down the read towards Maylary Bridge three ware volues and the sound of feet, but 1 had not the correspondent of the sound helded the door, staggered to the foot of the stairces and so down. My insufficient was full of these striding motallic monsters, and of the dash being samehal scalarst the force.

I crouched at the feet of the staircase with my back to the wall, shivering valently,

#### CHAPTER XI

#### " At the Window

HAVE said already that my shorms of emotion have a trick of enhancing themselves. After a films 1 discovered that 1 was cold and wet, and with little pools of wains should me ention stain-corpet. I got up almost mechanically, work into the dising-room and drank same whisky, and then 1 was moved to chance my coldba.

After I had one theil I went spatians to my study, but buy I did as I do alt how. The window of my study looks over the trees and the real way towned Biereell Common. Is the harry of our dynarture this window had been left open. The passage was dark, and, by contrast with the pointer the window-frame exclused, that idea of the in the dormer-standard dark. I stopped intort in the dormer-

The thunderstorm had possed. The towers of the Oriental Cellege and the pine trees about it had grees, and were far away. It is a vitid red glaze, the common about the read-pits was visible. Arrows the light, huge black thapas, grotrague and atomen, moved built to raid fro.

It scenario, indeed, as if the whole country in that direction was on fine—a bread hilder act with muste longues of fixms, warying and withing with the gents of the dying starts, and throwing a real relation gran the shust small shows. Every now and then a hase of enable free some nature configuration drows across the whole was well obtain a happe. I could not us which they were the black objects they wave buried apon. Nultiker could are the source first drouge the reflection

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the window. As I did no, the view opened out until, on the one hand, it reached to the bouses about Woking Station, and on the other to the charred and blackaned pine-woods of Byfleet There was a light down below the hill, on the rell the Maybury road and the streets near the station were glowing rains. The light upon the railway pureled me at first; there was a black hean and a wivid glars, and to the right of that a row of rellow chlongs. Then I perceived this was a wrecked

Between these three main centres of light, the apertocic, that black expanse set with fire. It reminded me, more than anything elss, of the Pot teries over at night. People at first I could dis-Later I new against the light of Woking Station other across the line.

And this was the little world in which I had been living securely for years, this flary chaos! did not know, nor did I know, though I was beto the window, not down, and stared at the black ened country, and particularly at the three gigantia black shines that were going to and fro in the

They seemed amitingly busy. I began to sak mytelf what they could be. Were they intelligent mechanisms? Such a thing I felt was impossible using, much as a man's brain sits and rules in his body? I began to compare the things to homes

The atorn had left the sky clear, and over the smoke of the burning land the little fading plomoint of Mars was dropping into the west, when the soldier come into my garden. I heard a slight peranting of the fence, and rousing myself from the lethargy that had fallen upon me, I looked down and saw him dimly, clambering over the nalings. At the sight of another human being my

"Hist" said I in a whisper

He atoroed astride of the feace in doubt. They the house. He bent down and stepped softly

"Who's there?" he said, also whispering, standing under the window and peering up.

"That's it."

"Come into the house." I said

I went down, unfastened the door and let him in. and locked the door again. I could not see his face. He was batters, and his cost was unbuttoned.

#### "MY Ged!" he said as I drew him in. "What has happened?" I asked.

"What hean't?" In the obscurity I could see be made a conture of despair. "They wined an out-simply wined us out," he repeated again and

He followed me, simost mechanically, into the

"Take some whisky," I said, pouring out a stiff

He drank it. Then shraptly he ast down before the table, nut his head on his arms, and began to of amotion, while I, with a curious forgetfulness of my own recent despair, stood builde him won-

It was a long time before he could standy his nerves to answer my questions, and then he an swered perplexingly and brokenly. He was a driver in the artiflery, and had only come into action abent seven. At that time firing was oping on across the common, and it was said the first party of Mortions were crowing slowly towards their

became the first of the fighting machines I had seen. The gut he drove had been unlimbared near Horsell, in order to command the sand pits, and Pts covered had measuritated the action. As the limber gunners went to the rear, his horse trod in a rabbit-hole and came down, throwing him into a depression of the ground. At the same moment self lying among a beap of charred dead men and

"I lay still," he sold, "scared out of my wits with the fore-smarter of a horse stop of ms. We'd been wired out. And the smell-good God! Like harst ment! I was hurt armen the back by the fall of the borns, and there I had to he until I felt fore-then stumble, hang, swish !

"Wined out!" he said.

He had hidden behind the dead horne for a long time, peeping out furtively across the common. The Condigan men had tried a rush, in skirmishing order, at the nit, simply to be swept out of existspoe. Then the monster had risen to its feet, and had begun to walk islearsly to and fro across the like heed turning about exactly like the head of a complicated metallic case, about which green flashes scintillated, and out of the funnal of this there

In a few minutes there was, so far as the soldter could see, not a fiving thing laft upon the common and every bush and tree upon it that was not already a blackened skeleton was burning. The hus

am had been on the read beyond the curvature of the ground, not he saw routing of them. He beard the Maxims ratile for a time, and then become still. The gints used Wohling Bielden and the Hendblar was brought to bear, and the types become a beap of form rulas. Then the thing and the Hendblar, was brought to bear, and the types become a beap of form rulas. The het this part of the Hendblar, and turning its beak upped to associating pitcowed beat relatived the second badil itself are one of the still.

The second monter bilowed the first, and at the the artificement been to crew twy autions. If a crew the but backer and towards (Mored, I) with the second second to which the second second to which, Three ability of the real of a concept to Waiter, Three ability the second second to which, Three ability the second second to which the second second second to which the second second to which we are second to the second to which the second second second second to which the second second second the second second to second the second second second second to second the second second second second to second second second second second second to second second

The transformation of the second seco

That was the stary I got from him bit by 14. By gree values tables for and styring its mode me saw that things he had term. While starts are the low start in the start term. While the starts and here the start is the start was an experiment leaves the start is the start was and the start is the here the start is the start was and the start is and here the start is the start was and the start is had been start was and the start is the start is the start was an experiment of the starts is the start was an experiment of the starts is the start was an experiment of the starts is the start is the start is the start was an experiment of the starts is the start is

WHEN us had flabled eating us west offly spatial to see state, and 1 look again out become a subject of a state. The first had shown to be a subject of any state of the base of the state of the base of the state o east, three of the metallic giants stood about the pit, their cowle rotating as though they were survering the detoistion they had mode.

It seemed to no that the pit had been enlarged, and ever and again puffs of vivid grean vapor streamed up out of it towards the brightening dawn --streamed up, whired, broks, and vasished.

Beyond were the pillars of fire about Chobham. They became pillars of bloodshot amoks at the first bush of day.

#### CHAPTER XII

#### What I Saw of the Destruction of Weybridge and Shepperton

A S the dawn grew brighter we withdrew ourselves from the window from which we had overstairs.

The critilicryman agreed with ree that the brane was no place to sity in. He proposed, he ndd, to make his way. Lendsoward, and theme rejuth his history—No. 24 of the Horse Artillary, My glue has the strength of the Marinan impersael with had the strength of the Marinan impersael with the Lond determined to take any with the Navehren, and a ready perceived density that the country about London must favorilably be the sense of a dissurption.

Between us and Lackbrickel, however, by the third spiritery, with its material geness. But I have along 1 thick I should have takes are chosen and stretch average scenarizy. But the artillary and stretch average scenarizy. But the artillary model must be also be also be also be also be or why? Is a said 's make har a widew'' and in the soft largesd by swith him, under cover of the words, methwards for an altern Coharts thiory I particle with him. These I would reak a hig do ture by Egosen to reach Lackberland.

Tabula Dave started at one, has up or comparison that have been in ratio were only and have by this is have been been in the result of the start which is hild with which and we lined every extra the peak with behavior and we line over the start of the start of the start of the start of most. Then we erely as at of the longe, at any which I also are over the start of the longe is and district. In the start low a range of these starters of here at the were we things that the peak had frequence - tack, at apper a, at here a start were then were the result of the start of the start of the start here on diverse this rate start of the start were the result of the start of the start of the start and formitmen, start heredow, is the start of the start start were the the start of the start of the start of the start start were the start of the start of the start of the start of the start were the start of the s

Ricent the longe at the Orphunaux, which was till on sire, none of the house had sufficient very greatly here. The Heat Bay had shared the chinesi-span and pened. Yet, sew consolves, there did not same to be a living rough on MayNary Hill. The indentity of the Ood Waking road-the road T had bidden. We work down the law, by the body of the may in black, solidon new from the oversight hall, and hrake into the woods at the foct of the hill. We pashed through these coversite the railway, without meeting a scall. This woods arress the line were had be accured and blockmoot enjoys of worker, for the partion still atoset, dirong array atoms, with dirkhrows follows landsoid of greens.

On our idea the free hard does no more than asserts the marrer irrew, it has d failed to accret its forthers. In one phase the wavelens had been at work on Skitreffer; these, failed and fraship beimand, by in a being of the second second second second second the second its angles. Hered by was a temporary har, described. There was not a breach of which they moraling, and everything was attempting the being second second second second second second to break second second second second second second and the artiflaty mass tabled in whiteper, and below we stored to listics.

After a line ove draw near the road, and as we did to us haved the distinct of boards, and as we did to us haved the distinct of boards, and near through boards Wolne. We have a board of the board while we have ide to the board them. Be have a floateness while we have ide given as of the disk Himsara, with a stand line a theodoliny, which the artifleryman tail or was a high formuch.

"You are the first men I've seen coming this way this couldny," sold the Bestemant. "What's browing ?"

HIS voice and face were eager. The man behind him stared curiously. The artifleryman jumped draw the bank into the read and salution.

"Our destroyed has night, sir. Have been hiding. Trying to rejoin bettery, sir. You'll come in eight of the Martians, I expect, about half a mile along this read."

"What the dickens are they like?" saked the Heuternart.

"Giants in armer, sir. Hundred feet high. Three legs and a body like Tuminium, with a mighty great head in a head air."

"Get out I" said the Bestenant. "What confounded

"You'll see, sir. They carry a kind of box, sir, that shorts fire and strikes you dead."

"What d'ys mean---a gus ?"

"No, sir," and the artilleryman began a vivid serount of the Heat-Ray. Halfway through the lisuterant interrupted him and loabed up at me. I was still standing on the hank by the side of the road.

"Did you see it?" said the liquienant.

"It's perfectly true," I said

"Woll," and the licentenant, "I suppose it's my heritana to see it too. Look here"--to the artifleryman--'we're dstalled here charing people out of their homes. You'd better go along and report yourself to Brigaffer-General Mavrin, and tell him all was have. We're at Workview. Know the wart"

"I do," I said; and he turned his horse northward again.

"Half a mile, you say ?" said he.

"At most," I answered, and projeted over the tree-

tops southwards. He thanked me and rode on, and we saw them no more.

Turther share use the set of the set of three woman and two children in the read, bury clearing out a laborer's catings. They had got hold of a little hand-track, and ware pilling it up with usclear isolation paradias and ware pilling it up with usclear isolation paradias and shaleby farmiture. They were all too assidowably engaged to talk to us as we passed.

By Brutet Station we control from the pinetrees, and found the contror, and and pescelucier the neurong similarity. We were far beyond the range of the Hischlary there, and had it not biese for the altient descrition of some of the homes, the sitting movement of packing in others, and the hant of ashifters standing on the beings over the rality and stating down the line lowers behavior, the day would have seemed very files any other Stardize.

Beveral farm warras and carts were moving readily along the roat to Addisonse, and audicity through the gate of a field we awa, screas a stretch of fast maskiny, als twelve genuiners starting reasily at equal distances and pointing toward Waking. The gurnner would be the guess weiting, and the anternation warras at a bairson-like distines. The mass issued almost a lif under trapecition.

"That's good " said I, "They will get one fair that, at any rate."

The artifleryman hasilated at the gate.

"I sha't go co," he said.

Further on towards Weylgridge, just over the bridge, there were a number of men in white futigue jackets throwing up a long rampart, and more guns behind

"It's hows and arrows against the lightning, sushow," said the artifleeyman. "They 'aven't seen that fre-bear yet."

The efficient who were not actively suggard stood and started over the tree-teps multi-westward, and the men digging would step every new and again to stare in the scene direction.

Byfeter was in a termel, people packing, and a cover of husans, most of the distanceal, score force the distance most of the distanceal, score frace the distance distance distance distance with distance and a methods, many other we way access of people, most of them andiatority fields their the distance distance distance. The term scale the gravity of their pacifies, was so one adverted of forther with a nuclei the scale access and access of the provide of the scale the scale access and access of the provide of the scale the scale access accessing a three distances. The scale the scale of the provide of the scale the scale access accessing the trade of the scale the scale the scale the making. Introduced a scale the scale the scale the scale of the scale scale the scale the scale scale the scale of the scale scale the scale the scale the scale the scale of the scale scale the scale the scale the scale the scale of the scale scale the scale the scale the scale the scale of the scale scale the scale the scale the scale the scale of the scale scale the scale the scale the scale the scale of the scale scale the scale the scale the scale the scale the scale scale the scale scale the scale the

ing at the pine-tops that hid the Martians.

"Eh?" said hs, turning. "I was explainin' these is valleble."

"Death " I shouldd. "Death is cerning ! Death !" and, heaving him to dignet that if he could, I hurried on after the arriburyman. At the errore I booked hack. The soldler had left him, and he was still shanding by his hox with the path of erchois on the hid of it, and utering warped over the trees. NO one is Weylwidge could tell us where the backguarters were solubilized, the which place have been as the solution of the solution of the target backguarters and the solution of the solution factor. Carls, corriging suppression and horsefach. The computable (solutions of the shows more particulary mission of the solution of the origin of the solution of the s

I and the artifler provides the state of the strength of the strength of the state with the state in the the strength of the

WE remained at Weylering until mid-day, and wat that have we found currendows at the phase mean Enzymetria. Lock where the Wey and Themas oin. Part of the lines we again halping two oid varene to park a little eart. The Wey had a tridle storth, and at the piont basis are to be have, and bereven a ferry across the river. On the Shapsevins after more an inn, with a how, and beyrun that the tower of Elsepterion Charch—it has been realized by a signer—rare above true.

Here we found an excited and asing erowed of facilities. As yet the flight had not grown to a particle has been only and the flight had been as the flight had been as the flight had been as the People same particle and the flight had been only had a flight here. One flight had been have had a flight here. One flight have here as the particle particle as the household goods glight there. One flight have here.

There was a bit of shouting, and one mass was oven leading. The idea pools seemed to have here was that the divirians was simply formidable babac containing distributions and the second second target of the second second plane second plane. The second form of the second second plane second plane second second at the measives towards Chartaey, but second himse over three was still.

Arrows the Thermon, except just where the both lands, everything was quick, in vivid contrast with the Survey side. The people who landed there from the both went transping of dwars the lans. The big forcy-both and just mule a journey. Three or four solities at the fapitives, without offering to four solities at the fapitives, without offering to rebuilted bures. "What's that!" cried a beatman, and "Shat up, you fool?" and a man near me to a yobjing dog. Then the sound came again, this time from the direction of Chertisey, a mulijed thud-the sound of a gas.

The fighting was beginning. Atmost immediately unscen batterns across the river to our right, unseen because of the twest, took up the cherce, fring having one after the other. A woman screamed, livery one stood arrendors, towing our fielding to the near us and yet invitible to as. Nothing was to be seen new first medions, court feeding uncoutone and the standard state of the state of the wave medioneses in the warm a number.

"The sojers 'll stop 'ers," sold a woman buside me doubtfully. A hasiness rose over the true tops.

Then suddrify we new a rush of scoke far away up the river, a puff of scokes that forked up into the size, sudd hears, and forthwith the ground heaved under foot and a heavy explosion shock the size, smathing two or three windows in the houses near, and inverse as atomished.

"Here they are " abouted a man in a blue jersey. "Yonder! D'yer see them? Yonder!"

Quiddy, one after the other, one, two, three, four Quiddy, one after the other, one, two, three, four of the armored Martinas appeared, for away over the little trees, necess the flat maximum that simthab fewards Cherloay and ströling hurrishilly towards the river. Little crowled fourns they control at first, poing with a relling motion and so fast as first, poing with a relling motion and so fast as

while ourselve obligately towards us, cans a Theor, physical gritteric list by any at they were a writty forward grow the list by any, at they were a writty forward grow the list of any interpretent of the second grow the second gritter interpretent by the second gritter of the second extreme left, the remotest, that is, fouristical a lungone high in the sit, and the glowalty territic Heat-Ray I and already seen on Pristry night records to world Chertary, and struck the towar.

At elder of those strange, you'f, and teachin even three, the oread along by the matter data days assent for motion for a moment horeas straight. There was an eventual three straight and the former the values A areas, no frightmark to draw the correct of the humbles. A version thread three the correct of the humbles. A version thread three the correct of the humbles, a version thread the straight and the people, that I was not too iteract, with the read and and readed point one. It to iteract, with the read and the people, that I was not too iteract with the read and the people, that I was not too iteract.

"Get under water !" I abouted unheeded

I feed about again, not remote travering the approximation and the market of the three starts of the starts of the starts of the starts of the start of the st

But the Martian machine took no more notice for

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#### THE WAR OF THE WORLDS

the memoral of the people running this way and that than a man woold of the confusion of ants in a next against which his foct was bicked. When, half suffronted, I raided my head above water the Matrian's head pointed at the hatteries that were abili firing zeross the river, and as it advanced it awang loose what must have been the generator of the list-like.

 ${\displaystyle \sum_{i=1}^{N}}$  another messent if was on the hand, and is a track within balance zeros. The inner of the track within the second second track is the labeled second second to the second second to a second sec

I gave a cry of actoalahment. I saw and thought nothing of the other four Martina measters) my attention was riveted upon the nearce incident. Stimultaneously two other shells hanst in the air near the body as the head twisted round in time to reedve, but not in time to dodge, the fourth shell.

The shell haves clean in the face of the thing. The hood bulged, fisshed, was whirled off in a dozen tattered frequents of red fissh and glittering metal.

"Hat!" should I, with semothing between a scream and a cheer.

I heard answering shoats from the people in the water about ms. I could have heapt out of the water with that recentary excitation.

The decading occurs result like a drawing start but it did not fill new. It sources it is takand with the cancers that first the Brayesten and with the cancers that first the Brayesten and with the cancers that first the Brayesten and the start the start of the Brayesten and the start and spindwhelt is the form which of been at the start and spindwhelt is the form size of the other start and spindwhelt is the form size of the start and spindwhelt is the form size of the start and spindwhelt is the form size of the start of a batterize runn might have also a the impact of a batterize runn might have also a the impact of a batterize runn might have also a start of the start of the start of the start of the start start of the start start of the start

A violat explaints theory the site, and a speet of water, itsue, main, and nativets weak, but for any into the site, the little's bolt insufficient states with the water, the little's bolt insufficiently fluids disc steam. In another moment a huge wave, like a model tidal lower, but shows testifikely bot, care sweaping yands the bed upstream. I nave people structure discussed and kareful their meraming and showing failing's above the seeking and rear of the Martine's collines.

For the non-net 1 bootd activity of the basi, forrot the patter used of neil-presentation. Laplached through the turnolitons water, pathing units a west in black to do so, urtit1 c ould use round the basi. Haif a dozen deserted boats gitted atimisely upon the container of the werse. The follow Martine came into stipht downstream, bring across the river, and for the most next universel.

Thick clouds of steam were pouting off the wreek-

spe, and through the transitionary whiching winps I could as, histornitotity and equacity, the rightmic links durining the watter and fingings a spinch and operated and struck link laying array, and, asaw for the holdras purposalesmans of these generations in work of an struck link laying array, and, asaw for the holdras purposalesmans of these generations, it was as it score wounded thing stranging for link amiliant the waves. Ensuremon quantities of a study breast fuid waves spuring up in mainy jets out of the mathins.

My stratic was diverted from this sight by a future science, like that of the thing called a siren in our manufacturing twom. A man, know-icey near the twitz-path, should foundity to me and pointed. Looking book, I now the other Martines advanting with pignath strides down the inverse from the direction of Chortaer. The Shepperon zone seeke this time surveillendy.

At that I doubd at once under water, and, holding my hreath until movement was an agony, blundared padmitly along under the surface as long as I could. The water was in a turnalt about me, and rightly greaving hetter.

When for a summer I related my head to take breakh, and huwn the hair and watter from my cross, the steam, was rising in a whiteing while for that at first kall the Martinan aliquether. The action was defining. Then I are them alignly, coloural figures of gray, magnitude by this make. They had passed by mo, and two were attenuing over the frething tamaltions rules of that; constand.

The thris and fourth stood beside him in the writer, one perhaps 200 yards from me, the other towards Labean. The personness of the Hant-Rayn waved high, and the history beams anote down this way and that.

For a recovery, perloye, I stood three, breast high in the silvest beling water demotroated at wr posttion, hoppinss of energy. Through the reck I could see this people who had been with me is the triver versatilitie could of the water through the recks, like Hills from hurring through grass from the advance of a reas, see running to and fro in utter dismay on the towing-path.

Then a solidary the white fluches of the Heat Bay estim isoing to be a solid to be a solid to be a bey disable at its to cool, and don't out fluces. The issue stranged to fire with a rese. It followed who can this way rand that, solid of the poolwho can this way rand that, solid to be a solid water's object of first ranks from where I houd. It water's object of first ranks from where I houd. It water's object of their to Skeppenetry, and the water in fit track rese in a boling whead created with team. I turned showmand. In another mattern the huge wave, well-sigh Atthe balling-point, had randed upon ma. I accurated alond, and ranked, had blinded, aperiado, I starpered through the basizing, humaling water towards proved through the basizing. Installing water towards been the seni. I full hadjenady, in full sight of the Martinan, goor the bread, have gravily soil that ream down to mark the angle of the Wey and Thamas. I expected a sching had doath.

There is dimensionly of the foot of a Martian coming down within a secret of yeards of my backdriving straight into the locas gravel, whitting it this way and that, and lifting arguin; of a long congenus, and than of the four-arrying the 60erls of their contrain butwent them, now ealers, and then presently faint, through a will of nonlar reselfing interminally, as it is seemed to me, across a year space of river and massive. And then, very alsely, 1 realised that by a mitted?

#### CHAPTER XIII

#### In London How I Fell In with the Carate

A set of the set of the control in the power of serverity warping, the Marina retestof the set of the darks of the set of the set of the set of the dark of the set of the set of the set of the dark of the set of the set of the set of the dark of the set of the set of the set of the dark of the set of the

The three were it in a heary, or the three tables of the second s

It would seem these plants agent the sarlier part of the afternoon in going to and free transferring everything from the second and third cylinders the accord in Addisatore Golf Links, and the third at Pyrford—to their original gift upon Horsel Common. Over that, above the blackened heather and raised huilings that stretched far and wide, otcod one as sentimel, while the rest abandoned their vast fightings machines and descended into the pirt. They were hard at work there far into the sight, and the towering pillar of damas green amole that roos therefrom excel he seen from the hills about Morrow, and even, it is axid, from Kanstead and Epson Deerse.

And while the Martians healed me were thus praparing for their most saily, and in front of me likmanning splichered for the hattie, it mode my were, with infinite pains and labor, from the fire and anoke of herming Weyleridge towards London.

I say an absoluted boat, very small not retrors, diffing downstram, and, throwage of the most of my solution abshes, I work after it, gained it, and so earged cut of the destruction. There were so core in the best, but I constrived to galdis, as much so are published and worked above, down the river and architecture worked above, down the river and architecture theorem in the source I constrainered the waiter gave me my heat chaose of earges, should be as global returns.

This has using from the Martian's overhead offield decreminance with may as that for the best part of a with 1 would not like of rights head, care, and the start of the start of the start of the start in the start of the start of the start of the start in the start of the start

For a line time 1 detect, as another and were an effective to the second secon

 $\mathbf{D}_{0}$  not elearly remember the articul of the create, so that I grabilly donot. I because source of him as a costed fluture in sectomagnel shirtinteres, and which his uptures desanchaven face starting at a faint filowring that danced area the bit. The site was what is called a machinel sky, rows and rows of faint down planess of dond, just tithed with the midrammer supert.

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I sat up, and at the rustle of my motion he looked

"Have you any water !" I asked sbruptly.

"You have been asking for water for the last

figure, naked save for my water-soaked trouzers and from the anske. His face was a fair weakness, his wathar large sale hims and blackly staring He spoke abcuptly, looking vacantic away from me-

He extended a thin white hand and spake in al-

"Why are these things permitted? What sins was walking through the roads to clear my brain for the ofternoon and then...free sarthousky, death1 As if it ware Sedem and Gemorrah! All our work undone, all the work . . . What are these

"I was wolking through the roads to clear my

"All the work-off the Sunday rehects. have we dyne-what has Wexturidge dene? Everything gene-everything destroyed. The church! cut of existence! Why ?"

Another pease, and he broke out again like one

"The employ of her huming goeth up for ever and

His eyes firmed, and he pointed a lean finger in

By this time I was beginning to take his measure.

"Ave use far from Sanbury 1" I sold in a motion-

"What are we to do?" he asked. "Are these cruttures swerrshow? Has the earth been given over

"Only this marning I officiated at early relates.

"Things have changed " I said eniathy "You must know many hand. There is still hope "

"Yes: plastiful hope-for all this destruction?"

I began to explain my visw of our position. He

eyes changed to their former stare, and his regard

"This must be the beginning of the end," he said, interpreting me "The end! The great and har, rible day of the Lord! When men shall call unco hide them-hids them from the face of Him that

I began to understand the position. I ceased my ing over him, loid my hand on his shoulder.

"Ba a man" add 1 "Yon are acard out of your with. What good is religion if it collapses at calam-1989. Think of what eartheunicas and floods warm and onlyances, have done before to men. Did you think God had exempted Weybridge? . . . He is

For a time he sat in blank silence

"But how can we encoupe?" he asked suddenly,

and wary alread we he. One of them was killed

"Kiled !" by said, staring about him. "How can

"I now it harmen." I preceded to tell him. "We

"What is that flicker in the sky?" he asked

I told him it mus the heliograph along Diam-that it was the sign of human help and effort in the sky.

"We are in the midet of D." I sold "ordet as it is That flicker in the sky talls of the gothering storm Yender, I take it, are the Martians, and Lordon Kingsten, and the trees give cover, earthworks are bolky throws up and guns are being laid. Pres-

And even as I spoks, he sprang to his fast and

From hervad the low hills agross the water carse the dull resonance of distant guess and a remote, weird crying. Then everything was still. A cock nale, shows the arecies of Weybridge and Sharperton and the bot still splendor of the sanset.

"We had better follow this noth " I said "proth

#### CHADTED YOU

Y younger brother was in Lordon when the Murtians feil at Woking. He was a mail. Martinus feil at wosting. He was a mice on the student, working for an imminent extended of the student of the they contained, in addition to lengthy aneolal evidence forth, a briaf and warmebr-worded telegrare, all the

The Martians, alarmed by the amproach of a

crowd, had killed a rumber of people with a quickfring pure, so the story ran. The telegram corclude with the works: "Formidable as they seem to be, the Marrian have not moved fress the pit into which they have fallen, and, indeed, seem incounter of short part provides the test to be experimented on the store of the store of the ergy." On that hast test the index-writers expanded very commontantly.

Of covers of the standards in the eranmer's hilds day, were specified, we can be a standard of the standards of the standard

My inviter full no analyty about us, as be know from the description is that propert that the cylinder was a peod two miles from my house. He made us ho main to rear alown that night to me, in order, at he asyst to see the things before they were killed. He despectiate a talogram, which rever resched mo, about four oblick, and spent the evening at a multiholl.

The Lanks, day, and Eulerbry right there are a function range of the transmission of the transmission of the Lange and the Lang

Two read, in another second of here events, that on Sanday moving "ML London was cherribled by the news trion Wolking". As a matter of fact, there was nothing to justify that were extravapased planas. Plenty of scope in London fill on their of the Martina will the parie of Marday meeting. Those who did took none time to radius all that the hardina was discovered in the factorial and they rate of the Analysian entry. The majority of pargle in London do not wead Studies matters.

The habit of personal accurity, moreover, is so deeply fixed in the Londoner's mind, and startling intelligence so much a matter of course in the poorts, the they could real withink a top perturb tions cannot be equilater, and, reaves about order an armor of mediate hands, have complete reaction water is the start, with the adjust throngs, were about the start of the start of the start and about the start or start of the start of the start have the galloging this Cherter, "The Mark hard poort of the start is and the start of the start have the galloging this Cherter, "The Mark hard poort of the start is and the start of the start have the galloging this Cherter, "The Mark three Locioux Chert and the start is well alongs" about the start of the start of the start of the start have the galloging the start of the start of the start have the galloging the start of the start of the starts. Locioux Chert and the start of the start of the start have and the start of the start of the start of the start have the start of the start of the start of the start have the start of the start of the start of the start with the start of the

MY brother want to charch at the Foundling Hospital in the morning, still in ignorance of what had happened on the provious night. There elal prayer for peace. Coming out, he haught a Referer. He became alarmed at the news in this and went arain to Waterico Station to first and H communication were restored. The emulbanes, carrispes, exclisite, and incomerable nearly walking in their hast dothen, neared scarcely offected by the strange intelligence that the assurantion were finthe station be heard for the first time that the Windsor and Chestney lines were now intervented The norters told birs that several remarkable telegrams had been reastrud in the member from Br. fleet and Chertrey Stations, but that these had abrupily ceased. My brother could get very little precise detail out of them. "There's fighting going on about Weybridge," was the extent of their infer-

The train service was now very much disorganized. Quits a number of people, who had been stpering friends from places on the South-Western network, were standing about the station. Our gray-baseds of grouteman comes and abused the South-Western Company hitterly to my brother. "It wants showing up," be stad.

One or two trains came in from Richmond, Patney, and Kingston, containing people who had gone out for a day's hosting, and fourd the locks closed and a feeding of same in the air. A man in a bise and white blazer addressed my brother, full of strange tidings.

""There's heats of peeple driving itso Kingsten In turns and costs and hears, with hears of valuables and all that," he and, "They come from Moleney and Weybridge and Walton, and they say there's hears guing heard at Ghersey, heavy firing, and that mountois solidare have told them to pet off a cose bisizent the Markins are coming. We heard guan firing at Hisropic Coart Status, bit we thought it was thunder. What the diskness does it all mean? The Markins are corting, bit we thought it was thunder. Used at the status of the st

Afterwards in found that the vages fording of damm hold spread to the dischargeround railway, and that the Simday eccarionists began to return from all the South-Western "Sungs"— Bettes, Withbloden, Richarmol Park, Kew, and a fettb-at unrelatable and houses her noi a soulher constitute but vages hearings to ideal. Everynettd, with the iterminan assumed ideal.

About first ordered the gathering errord in the strutum of a linear section of his gauging of the blocks, buttern the South-Escherm and the South-Vectors rations, and the passage of carriagetic section of the south-Escherm and the South-Escherm states, and the passage of carriagetic section of the section of the section of the Nagardin 7 Here was an action of a pleasanticity in Sorth. All this shifts the farth tat a span of spikle cares the the statics, and harsa to char the paths of the section of the section of a shift of the static section of the statics, and harsa to char the paths of the statics of the section of a block the state statics.

The shareh bells were singles for evasions, and is spared 65 Sharing Areys lass: an emission form: Witchelso Rood. On the hardges is making of the start of the start of the sharehow of the start terms of the start of the start of the start of the start forms of the start term is paired or of the most forms of the start term is paired or of the most form of the start term is paired or of the most pair of the start pair of the start of the start of the start of the start pair of the start has a start be discribed in start in the start.

Is Wellington Street say brother met a couple of thardy rooping, who had just reached out of Flet Street with still wet newspapers and staring jinand. "Dreadfal extartypel" thy bavied one for the other dyna Wellington Street. "Fighting at Weylarkizet Puil description: Reyndow of the Martian! London and to be in danger?" He had to why threesence for a conv of that same.

Then it was, and than only, that he realized astrething of the full power and berror of these monsters. He learnt that they were got merely a kandful of strell baggish creatives, but that they were minds twaying wait mechanical bodies, and that they could move awiffly and awile with such power that even the mightiest guns could not stand signish them.

They were described as "vast spider-like machines, nearly a hundred fort high, canable of the speed of an express train, and able to histor out a been of intense bast." Maiode bitairsine, chieff, of 644-500, and appendix bitween the Working Historial Toterony, and appecially between the Working district and London. Five of the machings had been seem normality invariant distribution and ones the solid bit minuted, and the instruction and beams the solid had minuted, and the instruction and beams the solid molecular solid bits instruction and beams of colders were manufactual, in the tone of the deprotect wave coldinicity.

The Martina ball hear republicly they were not invulnerable. They had retrievaled to their triangle of symmetry and they had retrievaled to their triangle states with balancempts were public from it was not all older. Gust were in radie trianit over a frem the north, instead others, hing wise gust of ninsty-fres fors from Workstch. Allogether are bundred and strates were is position or built phattic had the strate strate of the strate of the strate in the strate strate strate strate is a strateging the strates at most strate wave in the strate of the strate in the strate strate strate strate strates at the strate strates at million wave million in the strates at the strate strates at million wave million in the strates strates at the strates at million wave million in the strates strates at the strates strates at the strates at the strates strates at the strates strates at the strates at million strates million in the strates strates at the strates at million strates million in the strates strates at the strates strates strates at the strates strates at the strates strates at the strates at million strates strates at the strates strates at the strates at million strates strates at the strates strates at the strates

Any further existings that full, it was hoped could be discrepted at one by high exploring, which were being explicit summifications and distributed, to detail, run his report, the situation was of the situagent and gravest description, but the public was exhibited to soviel and discreption provides the discreption of the situation of the situation of the discreption of the situation of the situation of the function of the situation of the situation of the situation of situation of the situation of the situation of the situation of the discretion of the situation of the situati

The authorities had remain to suppose, from the size of the cylindram, that at the contrible there could not be more than five in such synthetic reference altogether. And out is next as allogened of-parhaps more. The public would be flaridy warred of the approach of damper, and silterize measures were being taken for the protocilies of the people in reference of the state of the state of the protremation of the state of the state of the state the continues of the satisfaction of the second of the continence of the satisfaction (seed.)

THIS was printed in enormous type, so fresh that the paper was still wat, and there had been no time to add a word of comment. It was curiess, my brother said, to see how ruthlessly the other contents of the paper had been hacked and taken out to give this place.

All draw Wellmatra Breet, people could be seen furthering out the plits sheets and reading, and the Strand was satisfiently asky with the veloce of an army of haviers following these pliceners. Morrame arranhing of bases to scener copies. Gertainly this norms astrated people interody, whatewething provides apadry. The shutters of a map-shop in the Berned were being taken down, my brethen the Berned were being taken down, my brethen the Berned and the shutters of the short of the future time stars of Berne the bre plane.

Going on along the Strand to Trafahar Square, the paper in his hand, my brother are some of the fugilities from Work Surrey. There was a man driving a cart such as greangreers use, and his wife and two boys and some articles of furniture. He was driving from the direction of Westminster. Bridge, and close builted first came as by warger with five or after correctable-looking projects in it, and arms knows and handow. The factor of these people are the start of the start of the start of the start handow and the start of the start of the start of the persons of the people on the correlations. People in the distinuish estimation of the start of the start factors and estimates and the start of the distinuish estimates and the start of the start of the direct starts are start to be start of the start of the direct starts are start to be start of the start of the origin with a result for the start of the start of the direct starts are start for the start of the start of the direct starts are start of the start of the start of the direct starts are start of the start of the start of the direct starts are starts and the start of the direct starts are start of the start of the start of the start of the direct start of the direct start of the sta

My irrelater turned down townals Violaria, and met a number of make paysie. He had a varges eiten that ha might see asnathing of ms. He noticed as unsual number of poilse regulating the traffic. Rome of the refugees were exchanging news with the people on the combines. One was profound to have seen the Martians. "Refers an utilit, I full point dividing above likes mer." Mod of them were point dividing above likes mer."

Beyond Victoria the publishences were doing a lively trade with these services. At all the street coracte gracips of people were reading papers, tabing coefficity, or staring at these means all Ready vilition. They assemble to increase as a night dress enuritie in that the trade, my beader soil, were like the strength of the trade of the strength of the street the strength of the street of the street of the street dress of the street of the street of the street of the defermine street from most.

None of them could full him any news of Woking except one man, who assured him that Woking had been entirely destroyed on the previous night.

<sup>-1</sup> come from Bytiss<sup>4</sup>, he sold ("a mean on a bicycle same through the place is the early meaning, and may from door to door warning as is come avery. Then came solders. We even us it is look, and there were elevel of gaussia to the nonth--midlark but based the gauss of Christianes, highly the theory of weighting area of Christianes, highly the theory of Weyltrifter. Be I'va looked up my hease and come out."

At that time there was a strong feeling in the strents that the authentics were to blaze for their incapacity to dispose of the invaders without all this incourvel nee.

About eight o'clock, a noise of heavy firing was distinctly multibail over the seath of Londen. My herebre could not hear it for the traffic in the reals streets, but by striking through the gate backatreets to the river he was able to distinguish it quite phings.

He valked had from Westminister to his spartments near Regent's Park about two. He was now very arxitons on my account when the staried out magnitude of the resolut. His mind was indired to tran, even at mine had ran on Satarday, on military of dails. He theory for all those silent expectent grain, of the andderly normalic constrution for the dails. In the starbard ran while a husdref feet hide, anging "balance no silita" a husdref feet hide.

These were can see two cardinals of refugees passing story Oxford Street, and several in the Margiehore Road, hai so showly was the news spreading that Rogent Street and Periand Road ware full of their sould Sanday statut screensoires, afted they tailed is groups, and aisen the edge of Regent's Park there were as many illent couples "walling out" together under the satisfiered gaa-lamps as ever there had been. The night was were and still, and a little opreceder, the saudo of guess continued intermitiently, and after midnight there seemed to be sheat lighting in the synth.

He credit and re-credit the paper, fouring the water has happened to will strain this strain, and after support provided out aparts altitudary. He returned to the strain the strain the strain the strain the return the strain theory of Moodel yields and others in this distribution. For an encount by the sound demunity, and is chance of boths. Bud reflections demunity, and is chance of boths. Bud reflections the straint the straint straint of Moodel yields and demunity, and is chance of boths. Bud reflections the straint the straint straint of the strainticled, watering which we also also of the strainticled watering which we also be straint of the strainticle straint in the wing.

His room was an atts, and as be threat his lead out, up and down the street there were a doom orders to the noise of his windowsarb, and basic in every kind of night disarray appeared. Inquiries were being should. "They are config." buyles a policesan, hammering at the door; "the Martines are coming?" and harried to the next doer.

The noise of drumming and trampeting came from the Athany Breed Barrachs, and overy church within scratch was bard at work killing sidep with a veharment disorderly toots. There was a noise of doers opening, and writely ather window in the heuse opposite flashed from darkness into yellow Bureisation.

Up the street care palloping a cleand cardiage, humiting abupting into acids at the corresponding to a cluttering climax makes the window, and dying any showing in the distance. Goes on the scare of this stars a couple of calls, the forescares of a long proceeding of thing whichdas, going for this long proceeding of thing whichdas, point for this due to the start of the start of the start of the Western special trains were leading up, instead of coming down the gradient hole Karins.

F<sup>OR</sup> a long time up brokhes shared out of the window in black asterioizment, watching the pelference harmsering at dars after door, and detivering white incompensionality message. Then the doer brief this sprend, and the man who folgedrecores the individual graves in, decased only in abirt, tunnary, and aligners, his increased only in abirt, works, his hair disordered from his ullicer.

"What the davil is it?" he asked. "A fire? What a davil of a row "

They both craxed their heads out of the window, straining to hear what the policemen were abouting. People were coming out of the alde-streats, and standing in groups of the corners taking

"What the devil is it all about?" said my brother's fellowlodger,

My brobber asswered him vaguely and began to drass, ranning with each parment to the window in order to miss nothing of the growing excitament of the streets. And presently men solling unnaturally early newspapers came bawling into the street:

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"London in danger of sufficiention! The Kingston and Bichmond defences formed! Fearful massacres in the Themes Valley !"

And all about him-in the room halow, in the sources on tillion and nerros the root, and sources on tillion and nerros the root, and share structures from instructure and the sources from a source of the sources and weissing and neurobic the Killion and S. Jahos and Exploying and Langerstein and Hesten, and index through all the weissess of Lackon from sources, and spacing works to structure in the Ariiander. However, and the sources of Lackon from explosing and the weissess of Lackon from explosing and the sources of Lackon from explosing and the sources of Lackon from the struct. It was also denoted the source of the single approximation of the sources of the source of the struct. It was also denote of the source of the Lackon, which had genue to lead to Studie tripfel.

Dashs from his window to hears what we heppening, my kroken wead down and out his das specing, my kroken wead down and out his das the hears grow pink with the early down. The first perspice acts and in wahless mere many memory energy means and the set of the set of the hears grow pink with the early down. The exception energy means and the set of exception of the set of the set of set of the set of the set of the set of set of the set of the set of the set of set of the set of the set of the set of set of the set of the set of the set of set of the set of the set of the set of set of the set of the set of the set of set of the set of the set of the set of set of the set of the set of the set of set of set of the set of set of

And from this paper my brother read that consttrophic despatch of the Commander-in-Chief;

"The Martines are able to disherge econome clears of a black and poissons vessour by means of noisets. They have smothered our butteries, distroyed Richmond, Kingarhan, and Winhbiden, and are solvaning above towards London, destroying everything on the way. It is impossible to stop them. There is no safety from the Black Samelo but in instant flight."

That was all, but it was enough. The whole population of the great six-million city was stirring, slipping, running; presently it would be pouring on waves mathward.

"Black Smoks?" the voices stied. "Fire?"

The hells of the neighboring church made a jongling tarnell, a cart careleasily driven smabbed audits driving and carse against the water-trough up the street. Birkly yellow light went to and froin the hanzar, and source of the passing cashs flamind unextinguished lamps. And overhead the dawn we graveling hridlare, dear and chain, and cahn.

He heard footsteps running to and fro in the rooms, and up and down stairs include this dim. His isofially earns to the door, isosely warped in dreasing goven and ahawi; har hashand followed, ejaculating.

As my brother began to realize the import of all these things, he turned hastily to his own room, put all his available money-come ten pounds altogether-into his pockets, and went out again into the streets.

#### CHAPTER XV

#### What Had Happened in Surrey

If was while the cruste had at and tilled so wildly too so under the beinge in the flat memory near Haliford, and while sop brother was watching the figuitive atrees over Westminater Bridge, that the Mariana had reasoned the offsation. So far as one can accertain from the cestions of the source of the source of the offficting accurate that have been put forth, the more than the local given the source of the source flow in two local give unit nice that such harryties of two sources.

But three certainty came out about eight oblock and, advancing abouty and canthously, mode likely were Weyleridge, and any Dynamic and the restorm buttering against the setting sum. These Marinans did not advance in a body, but in a line, acch perhaps a mole and a body but in a line, acch perhaps a mole and a body but in a line. Taking the same frame and frame like nearest failow. They communicated with each other by he assile fram one more in a multiage and down the assile fram one more in a multiage.

It was this heating and the firing of the game at Righey and S. Goezreh Bill that we had hand at Upper Hallfford. The Righey gummers, masssound stillary reinsters who capit here to have been priored in such a southern, for first-reinster, for first-reinster, for the game strains of t

The St. George's Hill men, however, were hetter led or of a better mattle. Hidden by a pine-wood as they were, they seen to have hene quite unexported by the Martian nearest to them. They leid their guins as deliberately as if they had been on parade, sed fired at shirts a thousand yard's range.

The state finished all round the fittering and the same hind states a few pares, relating a property of a property of the same states and the same states and hind the same states and the same states and property of the same states and the same states are stated and the same states and the same states are stated and the same states and the same states are stated and the same states are stated and the same states are states and the same states and the same states are states and the same states are states and the same states are stated and the same states are states are states and the same states are states are states are states and the same states are states are states are states and the same states are states are states are states are states and the same states are states are states are states and the same states are states are states are states are states at the same states are states are states are states at the same states are states are states are states at the same states are states are states are states at the same states are states are states are states are states are states at the same states are states are states are states are states are states at the same states

After this if would seen that the three took counsel together and hilds and the securit whe were working them report that they remained absolutely studiency for the sect half-hour. The Marilan who had been overlinews convola itself outy out of his hood, a small becom faure, solily suggestive from that distance of a speek of light, and apparently engaged in the repair of his apport. About nine he had finished, for his cowl was then seen above the frees again.

It was a for minutes past aims that hight when these three settines were joined by four other Martians, each carrying a thick black tube. A smills tube was harded to each of the three, and the seven proceeded to distribute themselves at equal distance along a current line between Si. George's Hill, Waybridge, and the village of Senj. seath-west of Righer.

A down yorkets pown out of the hills before them as non as they beran to mow, and wared the waiting batteries about Ditten and Eatre. At the arms time four of their Piphing Machine, instantion of the start of the start of the start into signal arms of the constant and the result as a new of them, black against the waters also constant into signal and the constant as the buried weatly and pulsation also and the constant as the interval and pulsation also and the constant as a meaned to us, upon a check, for a stilly robot eveence the fields and rose to a third of their bulcts.

At this sight the cursts oried faithty in his throat, and began running; but I knew it was no good running from a Marting, and I turned asdds and crawled through dewy nettles and brambles into the bread ditch by the side of the read. He looked body, saw what I was doing, and turned to follow.

The two Martians halted, the nearer to no standing and facing Sunbury, the remoter being a gray indistinctness towards the evening star, sway towards Staines.

The second test hereing of the Martinan had exactly they toke up their profition in the huge createst about their cylindres in absolute atoms. It was a createst with twelve mills betraves its hereas. Never since the deviking of ganum and to an discover shows Rippy it would have had precisely the same effect—the Martinan its ends in solitors presention of the darking adds), its affecdatest by the size effect of the stars. Its affecforcewing Hill has reader to be shown of the marking concentre Hill and the woods of the hadded.

But fairing that creases twerywhere, at Stations, Houssies, Etca., Biarr, Odam, schola fails and woods aroth of the river and acteon the fair grass theory of the river and acteon the fair grass these are village shown area stafficted to ever, the grass were waiting. The signal reddets bernt and windled their space through the signal and wundleds, in a itsee expectation. The Marilans had holt is a size expectation. The Marilans had holt is no discusse into the north, there are all weights into into a days and the solution.

No doubt the brought that was opperment in a broastal of these vigitant minds, even as it was uppermost in mins, was the riddle how much they understood of as. Dolt they grapp that we do our millions were organized, disciplined, weeking the arther? Or did they interpret our sports of firs, the todoin attaging of our shell, our steady hbries maximum of monitoria in a disturbed bits of base? Did blog drams lage night externing mit (At that time no on know what find they needed). A burdlerd not questions stranging to gather in my mind as I unbelog that was acculat shaps. And in the back of my mind was the sense of all the lage unknown and hidden feeces Londonward. Had they requered pitfails? Ware the performing a flow the langed or mind bar hard bar borndow ready as a name? Would the Londown or that miniphy provines of small beaust?

Then, after an interminable time as it seemed to us, excessing and peering through the heige, came a sound like the distant concension of a gan, another nearco, and then another. And then the Martine heide us raised his take on high and disnamed in the second second second second handling of a granulation of the second second asserted him. These was no fash, no enoths, imply that leaded detention.

I was as eached by these keepy minute-genus following one another that 1 as for fraped usy perrecal solidy and my solided hunds as to chumber up into the height and stars tweened kentory. As 1 dark is even hyper followed, and a big projectile busit to see those of the second solid projection of the second second second second solid projection busit to see those of first second solid busit oper distribution of the second second solid busit pressible wide and low besingth. And there had uper notice monthes of the second solid busit of the monthese second solid busits. It has a wide monthese the minimal herebrack.

"What has happened?" said the curste, standing up beside ma.

"Heaven knows !" said I.

A bat fickered by and vanished. A distant turnalt of abouting began and coased. I looked again at the Martian, and naw he was now moving contrast doog the river-bank, with a swift rolling motion.

Breer momant I capceted the fire of cours hidden abitety to sprike upon han; just the evening collar was univelan. This figure of the Martina gree was univelant, and presently the null and the article by voltaki, and presently the null and the match by voltaki, and presently the null and common impulses we clarabered higher. Threads Southery was a dwir appearance, as though a order as hill bot soldauly come into heigh the premoder across the further course; and then, remoder across the further, owner Wallon, we awa an layer and threads on the south south the further course.

Moved by a sudden throught, I looked northward, and there I perceived a third of these cloudy black hoppin had ariten.

Beerything had maddenly become very still. Far away to the south-east, marking the quiet, we heard the Marithus hoting to one another, and then the air quivered again with the distant thus of their gums. But the earthly artillary male no motion.

Now, at the time we ecoid not understand these things; but latter I was to learn the measing of these continous hopies that gathered in the twilight. Rach of the Mariana, standing in the great cress over I have described, had discharred at some unknown signal, by means of the gam-like tube the sametod, a huse cambine rew whatever hill, come. dutter of houses, or white possible over for game, showed to be in terior of Mas. Sizes of the same of d thus, some two, as in the cases of the same of d thus, some two, as in the cases of the same of damaged no forward business. These castiters matched on efficient the ground—they do damaged as forwards in a single and some of the damaged on the same of the same of the damaged on the same of the same of the damaged on the same of the same of the damaged on the same of the same of the damaged on the same of the same of the damaged on the same of the same of the damaged on the same of the same of the damaged on the same of the same of the damaged on the same of the same of the damaged on the same of the same of the same of the damaged on the same of the same of the same of the damaged on the same of the same of the same of the damaged on the same of the same of the same of the damaged on the same of the same of the same of the damaged on the same of the same of the same of the damaged on the same of the same of the same of the damaged on the same of the same of the same of the damaged on the same of the same of the same of the damaged on the same of the same of the same of the same of the damaged on the same of the same of the same of the same of the damaged on the same of the same of the same of the same of the damaged on the same of the same of the same of the same of the damaged on the same of the same of the same of the same of the damaged on the same of the damaged on the same of the same

If we have been the second potential that t

The one of the termshipson spherovel of the aligneritor was over, the lattick anothe elements to denoty to the greening even before its precipitation, that, dity, feet up in this air, on the reach and upper stretch of high houses and one great treas, there was a chanse of energing its poisson allogather, as was proved even that night at Birsett Gobaan and Dition.

"THE ross who arrayed at the forware place tells the source of large of the taxagrams of the celling flags, and how he holded down from the chorder spire, and sowe he houses of the village rising like ghasts out of the sidey subhigrams. For place, and an arrayer below the side of the side shy and arainst the prospect of the distant hills a viewed black costant, with red roofs, green freqs, and place sources, but the side of the side of the shy and arainst the prospect of the distant hills a viewed black costant, with red roofs, green freqs, and place the side of the source of the side of the source of the sourc

But that was at Street Cohham where the black vapour was allowed to remain until it mask of its own accord into the ground. As a rule, the Martinas, when it had served its purpose, cleared the air of R again by walking into it and directing a set of steam upon it.

That they did with the vapour-banks near as, so we saw in the starlight from the window of a described house at Upper Hallfard, whither we had relaxed. From there we could use the sareful lights on Richmend Hill mick Kingshons Hill groups to and fro, and whet devens the window rathed and we heard the torond of the hange aigns grams that had been put in position there. Tonse continued intermittently for the passe of a quarter of an intermittently for the passe of a quarter of an intermittent the same house on threads the beams of the clockrise input vanished, and were replaced by a bloght and grittory, and were replaced by a bloght and grittory.

Then the fourth cylinder fill-a brilliant grean meteor-as I harst afterwards, in Bethey Perk. Before the guns on the Echnorod and Kingston line of hills began, there was a fifth carnonds for way in the south-west, dwy. I belives, to guns being fired haptanard before the black vapour could overwhether the gunars.

By efficient a second-sharp we never other than a second secon

By minipate the bloging trees along the slopes of Bichneed Park, and the giare of Kingsteen Hill, there their hight upon a network of Mack anola. Motings out the whole Vallay of the Thanes, and extending as far as the age could reach. And through this two Martians showly waded, and through this two Martians showly waded, and

The Meetings wave spacing of the Task like the inde, dither because they had bal Meille's spacing of motival is distributed analysis of the star index of the space star in the star in the star below the star in the space star in the space star left ward is not the segmetiate sympathics to start the star in the space start in the space startest start in the space start in the space start wave and start in the space start in the space start wave and the space start in the space start is the space start

One has is imprire the the of those histories forwards Baher, waiting no tension in the twilinght, as well as one may. Burvivers there were more. Does may piloten the orderly experialization, the diorder and the state of the third here as the state of the state o over the trees and houses, and smashing amidst the neighboring fields.

One may picture, too, the statists whitting of the attention, the switch spreading colls and hellyings of that blackness advancing hestform, towering heavenuard, turning the twillight to a palpable darkness, a strange and horrible antagoalst of response attention and horrible antagnosits of response attention and horrible antaghorness near 11 seen dimity, raming, herieding, falling handlines, schedule of discourt, the output anddedly abandeneed, men choking and writhing on the ground, and the swift breadening out of the opaque cone of smoke. And then, night and extinction-nothing but a elsent mass of impenetrable vapour hiding its feed.

Before down the black wapsur was pearing through the streets of Richmood, and the disinsgrading organism of government was, with a hast expiring effect, reusing the population of London to the accessity of flight.

#### END OF PART I



### TISSUE-CULTURE KING Bu Julian Huxley



baseled and optimpens monotons . . . But my specialities are thru-decided anders, and tonds with an entre herver-pointbur hand." Hancembe added in "Herve of the Livies Fulldan"

S had been for three days engaged in crossing a swamp. At last we were out on dry ground, winding up a peatle slope. Near the top the brash grew theker. The look of a ramost grew

as we appreached; it had the air of having been daiberately planted by men. We did not wish to have to have our way through the splity barrfords, so turned to the right along the front of the green wall. After three of four hundred yards we came on a clearing which led into the both, nerrowing

down to what seemed a treather passage or trackway. This made us a little suspicious. However, I thought we had better make all the progress we could, and so ordered the caravan to turn into the opening, myself taking second place behind the sunde.

Suddenly the tracker stopped with a gattural exclamation. I looked, and there was one of the

great Africas to add, hopping with a certain ponderoily across the path. But it had a second head growing upwards from its sheadces! I had never sees snything like this before, and wanted to tecure outh a remarkable momentum for our collections: but as I moved forward, the creature took a couple of hops into the sheltar of the prickly acrub.

We poshed on, and I beene convinced that the prove were following was artificial. After a little, a droning sound came to our cars, which we very const down as that of a human welce. The party was halted, and I crept forward with the paids perfug through the list strengt of human was looked at what we have the for strengt was looked at what we have three. The wave proceeded from we concrome performed with the disk field high.

> the biggest man I had ever seen outside a circus.

was equating, from time to time prostrating and receiling some prayer of ins devices more than for this devices was before him on the ground; it was a small flat piece of giase hide on a little carved obsery stand. By his side was a lunge space, together with a painted backet with a Md.

After a minute or so, the giant bowed down in slience, then took up the ebeny-and-glass object and pinced it in the backet. Then to my utter amazement he drew out a two-headed tood like the first I had seen, but in a cape of waves grass, placed it is on the ground, and proceeded to more groutfection and ritual murmurnays. As seen as this was over, the tool was replaced, and the equating giant tranquilty researched the landacase.

Beyreni the holico or dai by as antidating renation of the second starting and the second starting a

At sight of them, our given trees and stood stiffy by the tide of his backet. The party approached and halted. Store order was given, a ginal stopped out from the ranks towards cause, packed up the hanket, handed it stiffy to the newscaner, and stil into sknow in the little company. We were clearly withresting some regular coulins of relieving gaund, works thing might ingeling, upon the start of the backet, handle if a couling and the start of the works the start index is deal to start of the start handle, backet is deal to start of the start handle when the start of the start of the start handle when to my dimany I haved an exclamation at my shoulder.

It was one of those damond parters, as confounded follow who always liked to how his independences. Sared with waiting, I suppose, he had solithengetandly even by no see which it was all heads, and the radden night of the company of glunth had boost isos much for his revers. I rands a signal to big ought, hait it was into him. The errelements had been hearing the leader gave a quick commond, and the glunts realmed up rad out in two groups to zerrement us.

I undentoed nothing of the tangarage, and called to my trucker to try his land. It turned out that there was some dialect of which he had a little undentianding, and we could learn nothing save the fact that we were being taken to some superior authority.

For two days we were murched through pleasant park-like country, with villages at inturvals. Recry new and then online new monitorship in this shape of a dwarf or an increditly fat wettom or a two-bunded animal would be visible, uttil I thought I had stambad on the original source of supply of circus freaks.

The country at last began to alone gently down to a pleasant river-valley; and presently we neared for Africa, its mud walls of strangely impressive architectural form, with their heavy, slabby buttreeses, and giants standing guard upon them. See ing us approach, they shouted, and a crewd poured out of the recent cate. Mr God, what a crowd! ] was getting used to glants by this time, but here dwarfs; others like them but more so-one could mature shildren or horribly stanted adults; others ton, and rolls and volutes of fat crisping out of citualy scale and winesed, others hateful and imbutile in looks. Of marse, there were plenty of ordinary negroes too, but enough of the extraordinary to make one feel pretty queer. Scon after we got imide, I suddenly noted something else which appeared inexplicable-a telephone wire, with pertree. A telephone-in an unknown African town.

BUT another surprise was in store for ms. I new a figure pain across form one large building to another—s. figure unmistakably that of a white man. In the finit place, it was wearing white dashs and sus helpset; in the screend, it had a pain free.

He turned at the sound of our envalence and stood looking a moment; then walked towards us. "Hallow!" I shouted. "Do you speak English?"

Thus, "In a canonic of, "this have protein a memory," the shares Linking of GMU is not a charm, who designed have been and agake rapidly. "It can be designed basis to me and agake rapidly. "The aga the shares linking of the shares cannot have the in a fulfible is built to the them cannot be the fulfible is built to the shares cannot be the fulfible is built to the shares cannot be the fulfible is built to the share cannot be the fulfible is built to the share cannot be the fulfible is built to the share cannot be the fulfible is built to the share cannot be the fulfible is built to the share cannot be the fulfible is built to the share cannot be the fulfible is built to the share cannot be the fulfible is built built to the share cannot be the fulfible is built built to the share cannot be the fulfible is built built to the share cannot be the fulfible is built built to the share cannot be built to the share the share the share the share the share a share the share the share the share the share the fulfible is built built to the share the fulfible is built built to the share the

By this time we were at the estrance to the hall. Our grants forced up outside, with my zero helded them, and endy I and the leader peaced in. The exsamination was purely formal, and remerkable checky for the ritual and scientify which characterized all the actions of the couple of does fineholding mes is long roles who were our comingenmented does to a title hard, foreinful with science target of the ritual scientific with science at larget at European style, where I found Hascombin.

As soon as we were alone I was after him with my quastions. "Now you can tell me. Where are we? What is the meaning of all this circus business and this measure of monstreelties? And how do you come have?" He cut me short. "It's a long story, so let me save time by telling it my own way."

I am not going to tell it as he told st; but will try to give a more connected account, the result of many later takes with him, and of my own observations.

However, but has a periodic model of results results. The lab for bottom is presented to the temperature is the second of the lab for the second second second second temperature is the lab for the second second

There is no object in tailing of their experiences here. Suffice it that they lost their way and full into the havies of this same trike. That was fitten years ago: and Aggres was now long dead—as the result of a wound inflicted when he was caught, after a ought of years, trying to searce.

On their centers, they too hell how counded by tested humeful a dicticate way in anthropology as a most there adjusts a fourth (a subwork) generation of the subscription of the subwork of the country of the subscription of the subwork of the dens with an adjustment for encourse; the thick as the subscription of the subscription of the dens with an adjustment of the subscription as dens with an adjustment of the subscription of the subscription of the subscription of the subscription or refusion at factors, and priority ways and and well block. First the while time, strange adjustment with block. First the subscription of the subscription with block are subscription of the subsc

These of Honoschele many robust and labels et al. with the label of the labels, and labels we are string, and its bary string. These fields of both the label of the label of the label of the label of the labels of the labels

the Block. So do we while must, but we do morewe can vector within the block's holder native and reality, and with point solution the great source and we become do to the solution the source of the solution of the solution of the solution bloc provides metroscope, sail it up, draw a draw of bloch from the top of his farger with his hard, and meanwhill it on a side more a covering. The sing ways were obviously interested. They with predict each other. At length, "Show us," commanded the older.

HASCOMME domonstrated has prepareties with processing times than is had a were done to firstyror metical students in the old days. He explained that the blood was composed all time people of were one sorts, each with that own lives, and that to apy upon them these gives in now powers over them. The shear were more or less impressed. At any where they could see outling before much them where they could see outling before much them think, made them realize that this while much had nower which might make has a deliverable server.

They would not ask to see their own blood for faar that the sight would put them into the power of these who eave it. But they had blood drawn from a slave. Hascombe asked too for a bird, and was able to create a certain interest by showing hew different wave the little needs of its blood

"Tell them," he said to the interpreter, "that I have many other powers and magics which I will show them if they will give me time."

The long and short of it was that he and his party were spared-He said he knew then what one felt when the magistrate said: "remanded for a week."

He had been attracted by cross of the older statusment of the trible-a tail, powerful-lexiting man of middle-acer, and was agreenably surprised when this near scenar reards much due to see the. In ascende Monties of the qualities of the statement and the exclamatic it is med measurement and the exclamatic it is med measurement and the exclamatic it is and measurement attractions and the harm what he could of the people into whose hands and baland far into the night.

Bargits' impairs were an little prepated as Becentrie by a party acceletic control, Inpressed little of the information of the second pressed little of the second second second access to find our whether by stillation the power of the white man be could ast searce his own adterior and the second second second second the drawn of the Courdi, and Regals would at the drawn of the Courdi, and Regals would will handful. So far as Housenbo would monitors, Regals integrings a redicat heaps in the sectors ruliging a sect of references hand a Resember ruliging act of the formation hand as Resember.

Hencombe had a sume of humor, and it was tickled. It seemed pretty clear that they could not recape, at least for the present. That being so, why not take the opportunity of dsing a little research work at lattic expension, opportunity which he and his like were always charactering for at brows His throughts began to run away with him. He weeked find out all be could of the treats and angerstitism of the tribs. He would, by the ald of his howedegs and the scientific actific, craft the deside of these rites, the expension of those superstitism, the while phytical is do fither exploring the rule particulos.

It would not be worth may teaching to tail all the meetistions, the fisics starts, the winnedewinduings. In the end he sourced what he wanted a totiffag which could be used to a tablecotary; and animized supply of slaves for the lower and priosis for the higher duits of tablacotary and the growins that which his scientific stores were so handed they would do their beat to accura others from the higher duits which his scientific stores were branded they would do their beat to accura others from the higher prevents the test for hold of whit barres could have.

He max again almost diligency to a study of their religion and frond that it was built round varies main matths. Of these, the catal case was the study of the study of the study of the of an extern overhip. The third was an animal only in particular at the torus groupeng species of the Hassember reflected on these facts. These caltures performed are devicency species of the the Hassember reflected on these facts. These caltures third is performed as the study of the study of the Hassember reflected on these facts. These caltures the study of the

THAT was how it all started. Pehapa the best way of giving some idea of how it had developed will be for me to tell my own impressions when Hascombe took me round his inberatories. One whole quarter of the town was devoted entirely to religion-it struck me as excessive, but Hascomha reminded me that Tibet spends one-lifth of its rev-Facing the main square was the oblef temple, built impressively erough of solid mud. On either side were the spartments where dwelt the servants of the gods and administrators of the sacred rites Behind ware Hascombe's laboratories, some built of mud, others, under his later guidance, of wood They were guarded night and day by patrols of giants, and ware arranged in a series of enal rangles. Within one quadrangle was a pool which served as an aquarium; in another, ariaries and ous animals; in the fourth a little botanic gardon Behind were stables with dosens of cattle and sheep. and a sort of experimental ward for human beings.

He took me into the narrest of the buildings, "White's basis, "a known the peoples at the Focutory (ii is difficult to give the exact sense of the work, but il building is many providing phase), the Factory of Kingalay or Migarty, and the Wellspring of Amestral Hancellay." Il basis round, and swo pitotoxo of butom and skining African rounds, the soundsy but controllay of a single fitting white dresses and caps, and warring rubber gives. recreptions from which steem was covering. The back of the recore was accreed of by a wascin stream in which were a series of gluss doors; and these doors append into particular, each door, with a same in that tarknown surgar, and each coutaining a number of objects like the sort is had each taking as a number of objects like the sort is had each taking as a surger of objects like the sort is had each particular by a surger a surrounded this chamber, and apparent to be distributing that frem a fire in one conner.

"Factory of Majesty!" I exclaimed. "Wellspring of Immortality! What the dickens do you mean?"

"If you profes it more pressit noise," and Hascontex, "Tahoing and then the insuring of Railington Tassoe Calture," My mind wort hask is a day in 1918 when Taho hen takes by a biospical friend it. New York to see the frames Reconferer Institute, in the table of the second second second second American pitts making eather are set with expedied American pitts making eather are set of it. The Hascomb Raturbit was, it is true, not so will equipped, eather the larger of differential calculated the second.

Hascombs began his emilanations. "As you probably know, Frazer's 'Golden Beugh's introduced us fundamental it was in primitive societies. The welfare of the tribe is reparded as inextricably bound up with that of the King, and extraordinary preeactions are taken to preserve him from harm. In this kingdom, in the old days, the King was hardly allawed to set his foot to the ground in case he should lose divinity; his cut hair and neil-perings of state, whose duty it was to bury them meretly, in case same enemy should compass the King's illness or death by using there in black magic rites. If paid the renalty with his life. Each year a slave was made mack king for a week, allowed to enjoy supposed that the illnesses and misfortunes that might befall the King were vicariously not rid of.

"I first all rigged to prey apportant, and with the aid of Agency, second-di la petition pool civitores, first of the Linear and Mith, by the aid of the second second second second second second linear second second second second second second linear second second second second second second term first second second second second second term first second second second second second term first second sec

"Eventually I was allowed (under threats of death if anything unterward occurred) to remove small portions of His Majesty's subcutaneous connective tursare under a local samesthetic. In the presence of the assembled nobility I put fragments of this into

<sup>&</sup>quot;A very elaborate treatise on a division of Roman repthology, essentially on the cuft of Diana.

confirm endown, and above II thus used to the metroscores. The confirm was the performance in the two performs the two performs and the two performs and the two performs and the two performs. And the two performs are submatched by the two performs and the two performs are submatched by the two performs and the two perform

<sup>11</sup> prime out to Branka, and he premated the res whole much shifts, the three would are write and the shifts of the shifts of the shift of the thirds of the shift of the shifts of the shifts of thirds of the shift of the shifts of the shifts of thirds, the shift of the shift of the shifts of the shift of the shift of the shifts of the shifts of the shift of the shifts of the shift of the shift of the shift of the shifts of the shift of the shifts of the shift of the shifts of the shift of the shift of the shift of the shifts of the shift of the shift of the shift of the shifts of the shift of the shift of the shift of the shifts of the shift of the shift of the shift of the shifts of the shift of the shift of the shift of the shifts of the shift of the shift of the shift of the shift of the shifts of the shift of the shift of the shift of the shifts of the shift of the shift of the shift of the shift of the shifts of the shift of the shift of the shift of the shifts of the shift of the shift of the shift of the shift of the shifts of the shift of the shift of the shift of the shift of the shifts of the shift of the shift of the shift of the shift of the shifts of the shift of the shift of the shifts of the shift of the shifts of the shift of the shift of the shift of the shift of the shifts of the shifts of the shift of the shift of the shift of the shifts of the shifts of the shift of the shifts of

"Howing thus noticed the periority, I had many debates with Bagala as to the best methods for an listing the mass of the population in our echeme. What as opportunity for estentific advertising? East, unfortunately, the population could not read. However, was propagada worked way well in more or issue ifferents countries—why as here?"

H ALCOME created a series of public terms in the target which he descented by the target which he descentered by the target of the public terms of the series of the public terms of the series of the series of the stable. The interm credited by logicity of the series o orgligence the tissue died, no renormal would be much. The subscription antilitied the receiver to sub-cilluring rights for a year, but was of course renevable. By this maxue out only would the tofailly of table to inturbinder would passes as a or all, but cable to inturbinder would passes as a of all, but cable to inturbinder would passes as a subseling and privilege of along by the own efforts the multiple-steller of divisity.

Then they could also arrve their country by dedicating a daughter to the state. These works worker would be housed and fed by the state, and tanght the technique of the sacrad culture. Candidates would be selected according to general fitness, but would of course, in addition, he required to attain distinction in an examination on the principles of religion. They would be appointed for a probationary period of six months. After this they would receive a permanent status, with the title of Sisters of the Sacred Tissue. From this, with are, experience, and merit, they could expect promotion to the rank of mothers, grandmothers, great-grand mothers, and grand ancostremes of the same. The marit and henefit they would receive from their overflow on to their families.

The scheme worked like wildfre. Figs. goats, cattle, buffalces, and nagro maidens poored in. Next year the scheme was extended to the whole country, a peripateir laboratory making the rounds wedge.

By the close of the third year there was hardly a family in the country which did not possess at least one anrel culture. To be without now would have been hise being without one's tronsers—or at least without one's hat\*—on With Awaras. Thus did logads efficit a referention in the automat percence and the second second second second second second material and the meet important percence. Hasenthe firming in the constraints of the data

Recoveraged by his success, Hascen's icon set out to contract the ancestry-wearbing branch of the religion as well. A public preclamation was made pointing out how much more satisfactory if would charred boxes of north factors in the hist of them still actually from g and gravelyne. All who very desirents of profiling by the enterprise of Rugah's Department of State should therefore bring their older reductives to the laboratory at certain profilial boxers, and rangenets would be paintaway constrained states.

This, iso, provide very attractive in the average distance. Obscanningly, II is frame, grandelators: or cotractions. Obscanningly, II is frame, grandelators: or periods. However, this did not matter, sinse, arconting to the law, one challen were to show the periods. However, this did not matter, sinse, arease and grandelator of the state of the state has all means the periods of the state of the has all means the periods of the state ones found that the specific of the state of the state and what was more, that means accomplicited, II had performed to extended the state of the scalars

<sup>&</sup>quot;This was written before the year 2927.

which they would continue to worship after the old folls were gent, and so left line'r persents and grandparents ausch freer than before from the fricentee restrictions which in all ages have beset the officult helt.

Thus, by almost every hearth is the hinghost, one doubt of the ddd halond even of the hinghost, one doubt of the ddd halond even of the hinghost family forbanes, the new generations are provide and the start of halond the hinghost of the hinghost gener. Transfarms is not growing well have used, proper. Transfarms is not growing well have used, respect to the hinghost of the hinghost of the hinghost of the hinghost data and the hinghost of the hinghost of the hinghost data and the hinghost of the hinghost and hinghost of the hinghost of the hinghost of the hinghost data and the hinghost of the hinghost of the hinghost data and the hinghost data and the hinghost of the hinghost data and the hinghost data and the hinghost of the hinghost data and the hinghost data and the hinghost of the hinghost data and the hinghost data and the hinghost of the hinghost data and the hinghost data and the hinghost of the hinghost data and the hinghost data and the hinghost data and the hinghost of the hinghost data and the

To deal with the possibility of estimous dying out, haccombe durated a contral docehence, where dupiccates of every strain were kepg, and it was this repository of the andronal tissues which had attanted me attention at the back of the laberatory. No such electron had ever existed before, he assured me. Not a newroptite, but a histopolis, if I may estim work in the accurator, but a histopolis, if I may estim work in the accurator, but a histopolis, if a second growth-

THE second building was devoted to endocrine products—an African Armour's—and was called by the purple the "Factory of Ministers to the Statuse."

Settings," is said, "you will not find such new. "Hence the cosise for yhords' that may going on yob one prime new plantic results, new porce of altern plantilanding preparations, new porce of altern modifients, and a popular literature that threatened to outdo the Premision, and explain human beings eatilety on the basis of ginadular make-up, without reference to the minia at all.

"I had only to apply my knowledge in a comparatively simple manner. The first thing was to show Bugsh how, by repeated historics of pre-stituinary, I could make an ordinary haly grow up into a giard. This pleased thro, and is introduced the idea of a sacred bodyguard, all of really grantic stature, quite oversholdwing Frederick's Germadiers.

<sup>21</sup> did, however, extend homeledge in several diversion. It took advantage of the fact that their religion block backnots and the fact that their religion block in the severation concentres and indexident of the severation and the severa

"Yampering with the post-plinitary gave remarkable cases of obeinty. Thus, tenyther with the passion of the most for futness in their sources, Rangah took advantage of, and I believe made gaves a foretures by setting as consolving formule alwave treated in this way. Finally, by assubler plointary treatment, I at host mostered the secret of true dwarfmen, in which perfect propertions are relationd.

"Of these preductions, the dwarfs are retained as analysis in the temple; a band of the obcor young lakies form a seri of Society of Vesial Virgans, with apenia religicas datas, which, as the embodiment of the national ideal of beautity, thuy are supposed to distingte with pseuharty propilieus effect; and the giants form (or Regular Army.

The Derivative Works have at the strength on a share that Derivative Works have at the strength of the paper of press of error is constrained to the strength of the strength

These we presend to the next hole ranging of the most hole of the second secon

Through I would see whether art could get improve tips address and set regard to recall my cosense the start and the regard to recall my cotains the start and the start and the second works. I will not be plotting of the second tarts to get declarable bended and cycleprons monthem. This was of source, four your is an in asset that was of source from your is an in asset bend the results. But my possible are there energy append bet for the second second better bend. The former are a thirt difficulty for these is a precision for them, and they plotter bend. The former are a thirt difficulty for these is a precision of the there are the second possible bend.

He then showed me into the last building. Unlike the others, this contained no signs of research in programs, but was empty. It was draped with black hangings, and lit only from the top. In the contro wave rows of about benches, and in front of them a sittering redden hall on a stard.

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### THE TISSUE-CULTURE KING

"Here I am beginning my work on reinforced beloatby," he told me. "Some day you must come and see what it's all about, for it really is interenting."

You may imagine that I was pretry well flaborpatch by this calculary of miradas. Every dot J patch by this calculary of miradas. Every dot J patch with Electronic and gradually the table dot J solid if he had you the brith, you for state, and he said, "to state britting your dot state, and he said, "to state britting your dot state, grave. It sectod is imposible at fart that I dotting within the state of the patch and the state of the solid vertice strength, inside a direct any farty, to my and more entergy, it might denot any farty, to my which is used to strength end of the solid vertice strength or songer at our "

"Not send to!" I exclaimed; "sarely you can't mean that?"

"I am not so sure," he rejoined. "What I most want is to pre absol with this work of mms. WBy, men, you don't resize what a channe Pre goel And it is all growing so fast—I can see every kind of movability whend" and he broke off into silvare

However, although I was interested enough in his past achievements, I did not feel willing to sacrifice my future to his perverted intellectual ambitions. But he would not leave his work.

THE ensuriments which not earlied his longination were these he was conducting into mass telepatry. Ho had received his modual training at a time when absorval pyrchology was still very unfarbinnable in England, but had loadily been therein in contact uid a years dotter why max. Journ student of hypatism, through whom had lean introduced to some of the grant photors, his contact and hypatism is a start photors. But knowledge of the literature.

And its order of an experimental backward being the observation of the second s

and if and the strangest sensus would be witnessed as they run, competitively oblivious of all in their peak, it such as the spinch or sheep they had been as the strangest of the spinch of the spinch of the invision sensors. The common sensors and form and rates of the spinch of the spinch of the sensors. The common sensors (the sheed like sensors the spinch of these.

This enceptibility is bypactic toggestion struck through a solution by perturbation to both the historic structure of the solution of the history between the solution of the solution of the solution, and could be made to hipson the deep hypneals with spread as as, but a hypersolit in which the solution of the solut

By ficking his subjects, he was seen also to descontrast the crastone of theights, by making agapautions to one hypothesis and the subtrast structure of the subject in the subject of the how without hypothesis intermediation to another at the subject is the subject in the subject is the how were an subject to struct the theighth is due to neveral subjects to struct the theighth is due to the other.—The structure is the subject is the subject is other with the subject is the subject is the subject is other.—The structure is the subject is the subject is other. The struct the subject is the subject is the other.

I must confase that I got almost an etrihed as Interactive over the possibilities than opened gas, I certifially assented as if her wree regist in principle, II if all the subjects waves in pre-activably the assan pay-balagical state, extraordinary reinforcing effects were observed. At first the statismust of this similarity of conditions was very difficult; granmary, however, we discovered that it was possible and possible of the state of the state. The state of t

First of all we found that with interesting relationships of the strength operation of the strength of the strength operation operation

and overwhelming way and, whereas with one part of ourselves we full that we must carry out the command, with another we foll, if I may say so, as if we were only a part of the command, or of sconmanding. And this, Hasconbe dishold, was the first weak barging of the super-conscionsion.

Happing of course, had to be renationed. Has course, with the oil Pfreise proyees on the works prosection of the state of the properties of the works proent on the state of the properties of the works proentance that the duly proper, for instance, was any add by the whole propleting, and, what is more, atomicne-course, which would understability and subscripts for theory. Add it works and it typeable on the properties of the mation at the state of the state of

BUGLAG was doubly interaction. If so we bismelt be as a set with the lattice state of the producline as a lattice state in the brain states of the produline as a lattice state the brain states of the product of the states of the states of the states of the state interaction of the states of the states of the states interaction of the states of the states of the states interaction of the states of the states of the states of the state of the states of the states of the states interaction of the states of the states of the states was and the states of the states of

So one day, after petting Hascords worked up about the less to humanity it would be to let this great discovery die with him in Africa. I act to fu cornect. "My dear Hoseombe," I sold, " you must get home out of this. What is there to prevent you must have a much greater number of subjects at your diment? You can then get a heliose of two reinforcement will be so great that you will have the whole population. Then, of course, one fine day the highest possible level, and send out through it a streral brractic influence. The whole courter sugmation to broadcest 'sloop for a week.' The talewathin regarder would be winyed to each of the thora take root in them, until the whole notice hereine a single super-consciousness, conscious only of the one thought 'sleen' which we had thrown into it."

The reader will perhaps ask how we curstlyes expected to escape from the clatches of the supercontributions us had created. Well we had discovered that metal was relatively impervious to the telepathic effort, and had prepared for curvelves a set of tin splitb, babiled which we could staid while conducting experiments. Yils, combined with repod math fail, experimently related the deficient on curselves. We had not informed Bugals of this property of metal.

"Hanorube was effect. At length he spoke, "I like the idea, he said; "I like to think that if I ever do get tack to England and to alcorube requiriber, ray descovery will have given me the means of sampe."

From that memory we worked antiferough to perfect our matched and our pion. After short free months everything seemed projetions. We had provisions packed way, and compares. In the teen alleved to keeps my ritis, ea preceise that I would near dislatency it. We had my divide friends with sumo part from them all the information we could short the works, without arcounting their sampliches.

At lost, the slight arrived. We summind our terms in if for an ardinary provide, and after keynests had been induced, started to tune than. At the motion the update cares in, unannounced. This was what we had been afterid of i too there had been meters of preventing it. "What shall see do?" I meters are preventing it. "What shall see do?" I sheld ong to immed its in the "weak hit. "See right absord ong to immed its day work hit next?"

Be we varioused http, and gave hits a set as near an pinalitie to the thephyticasted ranks of the performers. At length the preparations were failed. Resemble were then the pingle and and, "Attantic to the words which are to be surgested?" Three was a tlight striking of the heads. "Single" and Thasamba, "Weep is the command command all in this tend to stree gundreksday". Waysh is not with an endoaration; but the induction had already heren.

We with our metal soverings were incrume. But Bugala was sirede by the full force of the mental environt. He such have no his chain, heistess For a few minimum has entraordinary will resisted the suggestion. Altheugh he could not move his courers ware open. But at length he succumbed, and he to show!

We lost no time in starting, and node goad proprent through the silent country. This people were slitting about Blas was figures. Werean and asleep by their millipenils, the acey by this time for a way. Path belief naked children slept at their pames. The bounce were field of always starting the simulation their food, resulting Worksworth's farmous "party in a people".

So we want on feeling perity quere and accredy biliering in this morphy state, into which we had phanged a nation. Phasip the frontier was reached, where will activate elision we proved an itematic and giurantic frequier quard. A few miles (parties we had a good and maal, and a choe, Gar kit was relieve hevy, and we derided to jettier norse apporation betwy, and we derided to jettier norse apporation betwy, and we derided to jettier norse apporation of our muth hadmany, or miles provisions, which at this distance, and with the hyporosis wording a little this, were, we thought no larger accounty. About mightfull on the third day, Hascombe suddanly storped and turned his head.

"Whit's the matter?" I mad, "Have you seen a lian?" His reply was completely unexpected. "No. I was just wondering whether really I ought not to go back again."

"Go back again," I cried. "What in the name of God Aimighty do you want to do that for ""

"It undernly struck the that I cought to," he sold, "about five minutes age. And really, when one comes to think of it, I don't suppose I shall ever get such a chance at research again. What's more, this is a damperois journey to the coast, and I don't expect we shall get through allee."

I was thereaughly upset and put out, and told him to. And suddenly, for a few motionits, I fall I must go back too. It was like that old friend of our boyhood, the volce of constriance.

"Yes, to be sure, we ought to go hack," I thought with forver. But noddenly checking mysalf as the thought ense under the ploy of resonn-"FWs should we go hack?" All sorts of resons were profered, as It were by mesen hands reaching up out of the bidden werts of me.

A ND then 1 realized what has bargered. Bugals hand work out is had welge out the magnetion we had fives to the super-consistences, and it like the super-consistences, and the superconstraints of the super-constraints and the superfield for beams of the super-constraints where well for beams of the super-constraints where well wells well and the super-super-superconstraints, for the year of the superconstraints, for the year of the superconstraints, for the year of the superlation of the inholizant the command would have an Doublistic succe young new of our her hills, we Doublistic succe young new of the hills, we be have a super set more superconstraints, they and the new number of the super-superset super-super-super-superset super-super-super-super-superset super-super-super-super-superset super-super-super-super-super-superset super-super-super-super-super-super-superset super-super-super-super-super-super-superset super-super-super-super-super-super-super-superset super-super-super-super-super-super-super-superset super-super-super-super-super-super-super-superset super-super-super-super-super-super-super-superset super-super-super-super-super-super-super-superset super-super-super-super-super-super-super-super-super-superset super-s

I am putting it is a long and discurpte war; at the marinet i diriguly as what had happened in a fload. I told Hancombo, I showed him is much be as difficult of the state of the state of the change, I bagted and impiored him to use hit maars, to stift to this deviders and to score cor. How I regretted that, in our desire to discard all unders rough the divertical

But Hascomby would not, or could not, see my point. I suppose he was much more inhibited with all the feelings and spirit of the country, and so more suscessfield. However that may be he was immovable. He must go hack; he knew it; he new it dearty; it was his sacred duty; and much other similar rubbiab. All this time the suggestion was attacking me too; and finally I felt that if I did not put mare distance between me said that missenis battery of will. I should moremule as he

"Histornho," I still, "I an guilta on. For Gol's siak, come with two." And I shouldeen any pack, and sid off. He was shoken, I tays, and etters a few odops after me. Such insight secured, and, in pack of the frequent parses and shouts to hum to follow maked in the forection we had come. Let an assure 700 that it was with a phoney tool that I continued within the security of the security of the I continued within containt, which will be the security of the I within containt, wask with finitum and pose food and forms.

I keep very glob about yee abservance, on by genthere are used on the star of the star of the star of the hard brief werk and the treached Bayesian. In a twothere werk and the treached Bayesian, but the suptreaction of the star of the star of the suptreaction of the star of the star of the supence of the star of the star of the star of the supence of the star of the star of the star of the supence of the star of the star

However, I can an addah man pare and, white its description of the marginary latest in generation of the marginary latest in generation of the marginary latest interaction of the marginary latest interacting latest interaction of the marginary l

# The RETREAT TO MARS



### CHAPTER I



THE was had dinned below the wraters hills, leaving a gorgeous mass of color light arch swept up from the east, watching the shadows creep over land

Many times had I watched the acting of the aut

and the evening shadows, while the monouitoor plunged whirring downward upon their proy Never twice the same that nicture held me, until the city lights sprang into being in the distance

As I turned away to begin my night's work the crunch of footsteps on the gravel path broke the stillaese of the evening. An olderly, bearded man approached. He had come up the trail and I had

Visitors to my little observatory are not uncom man. A few, those who show interest more than ment, on the rare occasions when it is not engaged

"Mr. Aroold?" queried my visitor as he aptried to get you on the 'phone today, but was unyou here, I took the liberty of coming to me you"

"I am just about to open up for the night" said L "and if you don't mind my carrying on with my work-

"Not at all, not at all," he realied "I can talk to you just as well-that is, if I will not be in your

Having heen assured that he would not trouble me, he followed me into the observatory and watched while I opened the shutters that covered the aperture of the dome

This done and my right-accession circle set I turned the telescope on the first star of my eve-

When I had started the exposure, and entered \_\_\_\_\_

my dear sir, if I aphospitable, but I am west for chasering" I explaused. "All I have to star's image on the clip

"I noticed that you

forty-five minutes with this seging\*(2), you care to take a look at it?"

He climbed up the observing ladder and stood beside me while I explained things to him. When

"Is this socing anything like it was last Novem-

"Apparently you have been reading my papers," I said. "No, conditions are not nearly as favordoubt if I should ever see other nights to equal those four."

"Yes. I did read those papers of yours," he replied. "They are the cause of my presence here this evening. I am Hargraves, of the Smithsonian Institute."

I took his proffered hand. Hargraves was a wellknown archaeologist, though I must confess that I abould not have known of him except by chance. On shancing through "Science Abstracts" a few had looked up the original, which had proved highly

I admitted as much to him. He inushed, "We work in different suberes, as a role" he said "hat this time I am etepping into yours. That was a sreat fight you had with Kritsten and his associates.

"Wean't it." said L "The trouble with those chaps in that they do not know what good agoing in nights a year, none of which hegin to coremary with our good nights. Then, because they have a fifty-four linch refractor\*(8) against my twenty. four inch, they think that they are much better shis to see fine detail than I am. Let me tell you. power\*(4) of four thousand and there was not the elightest trance in the image. Had my driving-

"I know," my commenrect. You may wonder how 1-an archeologistplanet Mars, but I have a

I looked at birn in Ansamout

\*(2) Sector. The anoSty of the observing conditions. For

<sup>\*(1)</sup> Spectrogram. A photograph of the spectrum

"I dou't wonder you are emprised," he continued. "I have made some discoveres that I think no one over dreamed of. As you are probably aware, I have cilly recently returned from Africa after a six ware't observe."

I indick, for in the paper I have already mertioned, Hargyrave antomously that be had made some startling discoveries in Africa as to the overfine or material, . . . discoveries which overfinew previous theories shout the origin of main, but the court nature of this find was not to have had found hidden away in a recent correct of "Darkos Africa" were fully dorbbread.

"Some years app," he continued, "I because convinced that the rise of mankind took place, not in Asla where it is generally supposed to have ocourred, but in Africa.

"This helder through itself upon me as I was writing a book which I nover published; a book which was to have traced the augustation of marking for the piace of its origin, over this globs of ours. I managed a transmitted and write the selfwhen I cames to piace it together, to Control Africa, and not to Adia as I had confidently encoded.

"I searched again and again for an error which I thought must exist in my work, but the trail inevitably last to the same conclusion: Central Africa was the Gardien of Educ of manifold.

"As you are aware, this was centrary to all earlier evidence, so I did not one to propound my houries without further correboration. On consulting with the heads of my department, huying the evidence before them, it was decided to organize an expedition to no if any fresh data was available on the ground itself.

"The expedition, a small one ai such thinze try, was serpansed and led by myself. It was uncertain ful, but the results are not yet roady for publiction. To you, however, I would like to show what we have found, the understanding baing, of earney that it shall not be diveloped until my work in finished. Could you came and see me at my aboth I will metablish be in thomy feat, week a news."

"Why not come and spand temperow evening with me?" I asked.

So we arranged it.

Having fittished the spectrogram, I showed my comparison what I could of my equipment and turned the telescope upon a fixe of the show objects in the heaven, which delighted him immensally. After this I saw him safely started down the trail, eculpaned with a thehlight to light his way to the read, where his taxi awaled him.

Throughout the night I could not keep from weaburing what Hargraves had found in Africa that could be connected with the planet Mara. The dawn found me without a orderiture and I turned in to dream with dreams of Hargraves and Africa.

### CHAPTER II

THE following evening found us comfortably netticd in my den. 1 was eager to hear his story.

"I am not going to prolong my story with the details of the hardships of our journey" Hargraves bagan. "It is the usual stuff our reads in books of travel. Famine, thave and fever played their usual relea, with the result that my two white companies were out of the game bicfore two years had possed. One died, and the other had to be excerted hark to the east, where he subsequently recovered.

"With a handful of native beavers, I pressed on with the search, following every disc and runnes, only to be discoporated time and time again. We naved slowly and laborizonaly through unexplored Central Africa, over seeking traces of man's bandswork other than that of the natives.

The weak load up to some with an attack of form when another preserves in regular to a main wake when another preserves an englar to a main wake statistical by existence in the form of a carnough statistical by existence in the form of a carnough with an agentons form of bulk nucleocoles [oilt. On the statistical by the statistical base two with an agentons form of bulk nucleocoles [oilt. On bulk effective] to an impute of a statistical base based effective] to an impute of a statistical base two based effective] to an impute of a statistical base based effective] to an impute of a statistical base two based effective [on impute of a statistical base in the based based by the statistical based of the statistical based based of the statistical based of the statistical based based of the statistical based of the statistical based of the based based of the statistical based of the stat

"Bying there in my Kamlein, I questioned the movement choosen by my interpretent, but I was assured that it was just at it had been found some years before. The model of whole it was madewas unknewn to me. It looked like steal, with a lustreau surface, but it weighted to more the an orgal annual of alumum. Later tests showed that it had much scenter strength than stell and that it was extremely hangl even a file would leave no mark upon it.

"Prem what I could gather it had been picked up in a valler lying some ten or eleven dur's journey to the northwest of un, when several members of his tribe had ventured in on a hunting expedition. "I say 'ventured. In' because the whole of the area in question is looked upon by the local tribes

as the abole of the dead, and it was only when starvation threatened, and hunger overcame their fears, that they dured to penetrate this forbidden valley.

"impatiently I waited until I was well enough to travel, then we set out with the messenger as a guide. Gradually the character of the country charged until the swampy, fever infested jample give way to a rolling park-like country.

"One way led steadly ageards until on the nith day we were moving over a verteal platant which was alive with small game. My little potet started barmeter throwed as that we were alcost fourthousand free hundred fast alove as level. That versaing we compared at the foot of a low range of hills and sare guide assured me that on the morrow we should acter the forbidion value.

"True to his promise, the following near found us at the entrance to a little valley bounded by low hills, through which flowed a considerable stream. The hills on either adie were gloriously green, beticeasing a grossenus supply of moleture, the parklike character of the valley heing enkaned by eccational arrange of a meteric of eak true, and here

### THE RETREAT TO MARS

and there patches of a forwring shruh whose serut filed the valley with a debotous odor. The bark of this task, I learned, was used by the astrong in into of tobacto, and it was not half had as a substrukt, for a mixing you, especially after one had been many months without the comfort of "Laty Niccelle".

"It was with the greatest difficulty that I persmood our gurds to recommend with us, and than only after I had presented him with a charen in the shape of a ring, which I had to assure him would ward of all danger, did he consent to enter the valley with us.

"Late that afternoon, we arrived near the spot where our guide had found this metal object. We made camp at once and I set out to survey the value.

"About a quarter of a mile free the energy be froor of the while nurrewel, hound on the enerside by a steep diff and the other by a ringe which run out at right angles from the southers along. This formation immediately around my curvainly, for I thought that there must be source orteps of rock here, which logs the field-matres of the stream froor remoting it. Builden, I was andian to large scenching of the goological formations of this dimrici.

"Attended by my guide, I walked down the vallay towards this formation. Some enough there was an entrop of rock on the north side, a hard limasition formation where foot was happed by the watere of the stream. Walking through the shallow water, we crowed ever to the asuch hank.

"Where the waters had removed the surface soil I any what as first I took to he a rid of rock reaching into the stream. On clear: Inspection I any that this way, not reck, but noted. It was wern and scored by the waters of asse, but on arraping away the soil above the fired level I expand clean cut edges. A rih of the metal ran hack into the billion.

<sup>64</sup>W<sup>1711</sup> a sharp stake I probed the earl, learny coll and was able to trace the direction of thir via up the hilistife for a distance of serbaps thirty fast, where the second bases to do not fit my probe to practrate. Mixing the aged where it my probe to practrate the second bases and the second bases of the second bases of finding another due, but I could as mothing.

"The replical might shot down with its neural subtentes during my invariant states we would our way bock to easy, where the light of a few dured and theored in the scening mir. Hew I winked for a battery for my flushight. The batteria, however, had peritabel large up in the stateming jurghs mir, and I had to wait until meeting with this incoverser here me."

"I know how you full," I interrupted, "I experienced the same faciling last night."

Hargraves smiled and continued

"That evening I set the boys to work to construct rule dispins implements from the nerub oak of the billistic. Crude they were, indeed, but they would serve my purpose in that light soil.

"Long before daylight, the camp was astir, and by the time the sum rose the morning meal was over and we were on our way to the mysterious mound. Setting the boys to work at intervals along a continuation of the lips 1 had already traced out, the metal rib was seen located higher up the hilling, covered by some four fast of arth, "I now sup that it might save time to have a

I now new that it might save this to neve in couple of influes working directly on top of the mound, so transferring two of them. I directed them to elser away the top soil, while the others continued to trace the rib up the hillside.

'Two hours passed when a shout from the top told nor they had made some discovery. When I arrived there they were clearing away the dry seal from what appeared to be a flat metal surface. Calling up the other boys we were soon at work removing the earth from the rounded top of the billeck.

"Little by little by neural corface was lidd harry howing it to have not also have rounded with the exposed size failing towards the stream. Late that affectors we had come to be suchtars size of the subscious surface. Hare a smooth wall dropped wary at an acage of susty-free degrees with the vertices, as any concreasion theread. Beauting the which have in a line with the free non-

"Again sight cut short our work and thred out from cartilons with my primitive shore! I foul salesp directly after anyper, to waite and find the eastern sky reddening under the pays of the rising sm.

"Working down the correct along we gradually listd have the scritce antil one of the lowy revealed a strack in the hitherin unbraken seriates. As the end we repidly records we acposed a circular plate set flush in the motal. Near the periphery and dismetricable groupeds each advance were two heavs which we repidly closed out, showing them to be let in the table at an analysi of nethrons thirds derives.

With the side of the logs I tried to little the serve, or whicher I is might be able to seem to be as said as the rest. A close scrattery of the thick, which was all the ranged in one gives much line of the second sector trikes in the laber and attempted to later it, but with no macross will its cocrete to more tory the organized investion. Throwing my wight on the laters with on or the logs doing its same on the others ide I computed to turn the glade our hands and known. The other three functions are the other scratter or hand sector. The other bard turned,

"Unministration of my brains, I jumped to the pikts, and particularly new unservered", it the pikts with each turn, rising higher and higher from the turface in which it was as. When it stool of thy eighteen listhes high we cause to the cold of the terces and by our combined (fforth source the heavy disc of model model, Studeeyant measures showed it to thick." could instance and twenty thick.

"We had uncovered a hole some two fost deep, at the bottom of which was another plots. Armaged in the form of a square of twolve on a slide were one hundred and forty-four equally spaced circular holes, each one should half-anothen in diameter, and on the plate hay air metal objects. I which these up and sampled theit up to be one.

They were alttillar in shape and site and were in the form of a carstal letter T. Each of these were slotted across at various points, but no two in eractly the same manner, and on them were en-

11 T+ + T[ "The thrught struck me at once that these things

so I tried one in a hole where it fitted snugly. Now, I miked myself, into which hole did each key fit. six keys, so there were evidently 1441/138! (1) using all of them. Out of more than eight trillion ways of doing a thing with only one of them carrect, the chances are somewhat against one's hit-

"You might hit it once in a million years," I langhed, "if you could keep on trying that long." "Well" he continued, "I saw that there must be

nome solution to my problem, so I looked for a clue and found it. One of the corner holes was marked

while the one diagonally opposite looked like this."



He drew these figures as he spoke.

"On the plate, above what I took to be the top

111144411144

"After conving these down in my note-hook, I twelves, both in the number of holes and the numher of aymbols, it might be possible, I thought, that the duodetimal\* system was used by those who had made this thing. Following up this thought I saw that the symbols were, in order, zero to elevan according to our notation, bezee the

ing holes and as I did so I felt the wards of the lock mechanism engage with the slots. Turning the keys as far as they would go I was now able to lift the plate with the aid of the boys, using the

"It was thinger than the former one, being about a feet or so thick, and as we lifted it I noticed that a number of radial bars on the underside had slid back into their sockets.

"You can imagine my towning to a pure. Satrifeing one of my few precisus matches I leaned as for as I could over the hole. The restch hurned height and clear; evidently the air inside was pure. platform. Taking a stout stick, long enough to reach it, I tested it carefully. It seemed quite strong and firm, so taking a chance, I lowered my-

"I could are by the light that filtered in from overhead that I was standing on a metal grating might be, had fallen over from the vertical and har at an angle on the billside

"Ordering one of the natives to fetch torches. ] I stood on the top of a curved stairway leading down into the darkness. Graming the heavy hardrail with which it was protected I cautiously descended. I noticed that the steps were shacemally high as I went down. Later I was to know the as circular, surrounding a 'well,"

"Striking another match, I examined the wall hehind me. In its surface I saw another sat of holes similar to those in the siste we had removed. My steps and wriggled out into the daviight to await

"Presently the boy I had sent arrived with a goodly lead of dry, resinces attrics that would bern well and brightly. I lit one, and calling to him to follow me, I again lowered myzelf into the hole. carefully for fear of falling on the sloping surface. I walked around the gallery examining the place. It was about twenty feet in diameter with a five-There were four sets of key hales in the wall about

"The second gallery was exactly like the first and I did not stop, but went on down the last flight of steps. This was evidently the bottom of the cylinder and. like the other two stories, its walls held the now familiar key plates.

"Going to the one on the lower side I examined it closely. Above the square of holes were twelve sets of symbols arranged in pairs, the first members of here pairs corresponding to the numbers on the corresponding new numbers, I turned them as I

"Immediately, a section of the wall swung inward and there was a sudden rash of air which nearly autinoviahed the tarch. The air pressure had been much less inside the chamber which now lay open before me, than outside, and the door was apparently airtight. No wonder I could see no sign of the joint in my first cursory examination of the

"Before me, stacked around the sides, were a

<sup>(1) 1441 - 1381</sup> Factorial 144 divided by factorial 188 is  $144 \times 143 \times 542 \times 541 \times 140 \times 130 - 800300000000 +$   $31 - 3 \times 2 \times 1$ ;  $41 = 4 \times 3 \times 2 \times 1$ ; etc

<sup>\*</sup>Courting by twelves instead of tens as we are accustomed

large number of box-shaped objects, held in place by hars reaching from floor to roof of the chamber, each box bearing a number. Removing one of the retaining bars, which fitted into sockets, I palled down the two box of the ties.

"On the front of this hox was a lever-like handle, this I turned, and as I did so there came the hissing sound of air entering a vacuum. Terming the handle further—it was quite stiff—the air rashed in with a frait sigh and the lid of the hox raised sufficiently for me to put my fingers under it and therew (b book.

"The lever had openated as eccentric which had forced her lid up against the pressure of the autide arr. The lid was tengued, and fitted the a corexpending grows in the upper edge of the box, and the grows was filled with a ware unbranes which had mode the joint air tight. In Initied afterwards that each box had as filed hele through which the air had evidence been enhanced.

"Gravitile posted in a universe that bedde like free det word were a number of broad oblog cases, abent the size of a standard volume of the "Encyptepolis Britanning," the topproof of which I reserved. It was of the same metallic substance that I had excountered all abane, and on its edge was a like knohset in a recens. This I pressed and a never flow hole.

The two a volume, and much a volume at the eyes of living runs a neural worker. These before mewas the neural starting illustration. It had new leaded are as and to, there being a start of the start based are and to, there is an animal are replication. These which is non-and it makes the start for illustration depicted an animal are replication. These which we are associated and there in the start have which is non-and it makes the first three which is non-and it makes the start lightly over the surface to have more distant in that it can be associated and the start lightly over the surface to have more distant in that it can be associated and the start lightly over the surface to have a start of the start lightly over the surface to have the start lightly over the surface to have a start of the start lightly over the surface to have the start of the start lightly over the surface to have the start lightly over the surface to have the start of the start lightly over the surface to have the start of the start lightly over the surface to have the start of the start lightly over the surface to have the start of the start lightly over the surface to have the start of the start lightly over the surface to have the start of the start

"At the foot of the case in which the picture lay was a tiny lever-like arrangement. I pressed this over and as 1 did so there was a tiny whitring sound followed by a click, and the picture fisched out of sight, and was replaced by another.

"One-half the page-off I may call them pageswas occupied by this new illustration, the other half being filled with charactens, evidently writing of some kind. Page after page ficked by at my touch, the majority hearing those wonderfully executed dilustrations in three dimensions.

<sup>cc</sup> B<sup>OX</sup> after box was opened, and each was found B filed with these atrange volumes. I corefully replaced these I had removed and closed the lide of the boxes, replacing them in their ties.

<sup>10</sup> "Theorem are Lapsing to their in this place? It follows a thick investigate by sevel tory, not knowing which to examine fast. Then it occurred to me that swerphing was arranged in a methodical manter—the numbering of the cases and the volume aboved thit. Locking on the does of this sell I as associating 1 had everyhold before. It was manment by a the first landing. Number on most be on the first landing.

"The air was becoming thick and sufficiating with the oily smoke of the terches, but I made my way to the first cell and opened it in its turn. Being wavned this time, I had the bey stand back with the torch so that it would not be blown out. The presume here was much lower than in the other cell. I was nearly overthrown by the audien gust of air that drove in before me as the door average back.

"This chamber was similar to the one below, and in the topmost row of house I now number one in a corner. I removed this case and, as the air was becoming unbeamble, I took it out into the similarity to examine it.

"It contained what have line to a child prime, gendrow likesitate, the first volume was filled with reference of centron objects, each with a five mean structure of the structure of the structure of what wave meknown to mu, were itiliated. The structure of the structure of the structure of a structure objects of the structure of the structure at encount with the structure of the structure of the structure object of the structure of the structure at encount with the structure of the structure of which is all of fills wenderful primer. To core show with the stal of structure of the reference of the structure of the reference of the structure of the structure wender the structure of the reference of the structure of the structure of the structure of the reference of the structure of the structure of the structure of the reference of the structure of the structure

"The setting of the sun drove me back to camp, but not before I had replaced and locked the place, taking the keys with me.

Thy the light of the fare 1 studied my traphote that digit. It might interast you is how must be the factorial ways maring at . Using for example the bown in the forecastion, approaching in a lit. The second aboved Man, bent forward, wakking up the Mi, while a hild aboved M at at the top. The Mi, while a hild aboved M at at the top. The Mi, while a hild aboved M at at the top. The stating and over the third a V. The tenus were all inflated by a symbol above the work. The dwing the first mass an inverted V; over the second, all inflated by a symbol above the work. The dwing the first must be started by the second symbol.

"I sat and studied well into the night until weariness compelled me to cease, but at down I was awake and at it again. Throughest the day I worked, having given instructions to the boys to centime their work of removing the earth from around the sylinday.

"Every moment the system of writing became clearer, until late in the afternoon I came to a lone aenterice art out in large characters. A rough translation of it would be:

"WE GREET YOU, CONTINUE, WE HAVE MUCH IN STORE FOR YOU?

"Here was a direct message, and a message that made my heart leap. If I had worked hard up to this point, I worked feverishly now. Who, I wondered, were 'WB''

"The following day another message was translated. It read:

THE PEOPLE OF ANOTHER WORLD

"I checked my immelation again and again, hat I had made no mistake. That was the meaning of the sectore.

"As the days slipped by I came across more of these interpolated sentences, all encouraging me to ro on. This personal touch made me feel so through there were some beings anxious for my advancement so that they could communicate with me.

"The days grew into weaks before I had reastered the harcourse culticituity for the parpose of choas who works it. In the meantime the and/we had prepresend with their fact to the dudy, due to the present state of the state of the state of the present state of the state of the state of the fact I even accretion the surface of the worker. before I even accretion the surface of the worker before I even accretion the surface of the worker.

"We were trulp in a Gorden of Elsen, for game and fush abscrided, while childs fruits and berries accord to keep down eichness, which would arcely have followed a reset disk. In the way I was able to conserve our most too plenified anyphy of provision. The head boy was an excellent shock, so our ammunition was net wassed as it would have been full var dependent upon two prover with a rife. The

"Breathally I arrived at the end of my primary course and came, at the end of the last volume, to a message which read—First read volume one, case three. A complete catalogue of the contents of the library will alse be found in this case."

"The witners was now secured, and without booltesting 1 pisses into it. It was written in a failing atomic style, and with the aid of an oracling distionary 1 found in the same case, it was able for each right through. I read it in four days, hardly stypping to sat or deep, noder radius up evolutify with the strain. After that I schedened up a bit and did muscal work is thereaft in one the part scan servesize. I will outline the contents of this volume to 700.

### CHAPTER III

64 HUNDREDB of 'housands of years bethe start of the start of cost, intelligen the had dawad upon one of our marret mighburs in speec, the plant Marry in much the stram masser as we have supposed it to do on this Reach of costs, to that at the time bin mereties was written dividual had vanished a very high plane. The received note that they bed readed latelligent costs has been what i might call a system of cost derection.

"Every member of the planet's tessning millions was an integral part of a smoothy working quitten in which no parasites existed, for when ene, by core attribute freak, did turn up who attempted to "throw a monkey-weach into the machinery" he was attribute attermediated.

"Torogabut the ages, while this option was alway being built up, the race had been carefully developed by istelligent selection in maining and every undertake feature had been showly clinineted. The result was that the time this narrative opens overy may and wanas on the planet was both mentally and planetary perfect.

<sup>10</sup> As time word on it becaute apparent that the iffe of the planet world be shortcased by the loss of all and water waper. The gravitation on the enrface of Maro being much less that on the Earth, nearly one-half as great, the gases of its zimosphere would more readily assays. The Kinetic Theory of Gause shows that a velocity of zeron miles a zeroed is readily obtained by the faster moving molecules of water vegor. This is the critical speed for scape from the Earth's stimulation. How much more readly will the water vapor stongs from a planet like Mars.

"Some schume had to be developed then, in order to reduce this rapid escape of the planet's vital fluid, if life on the planet was to be peteible in future ages.

"Martian engineers set to work, after due deliteration, to construct gigantic underground reservater lined with an impervisor material. After neerly a thousand years' labor the work was finished and the waters of the labor and near were impounded in these was underground storage bailor.

"The compared the previous firsts still further, that which was depended as more in the polar engions was carefully trapped as the automore nonmilited it. Harge subtrapped no polarite field their equator-wavels, assisted by encourses prompting plants. These conditist wave tapped at intervals the first stripping series, and at the time the prevent was been stripping series, and at the time the prevent was conditioned and prompting abalance was well such as the stripping series of the previous set of conditions and prompting abalance was well such as the stripping series of the previous set of the set of the set of the set of the previous set of the condition and prompting abalance was well such as

"Just as the late Professor Lowell hypothecated," I exclaimed, to which Hargraves added :

"And these sease, as Lowell called them, were the locations of the pumping statices, the interacty cultivated areas around them causing there to show any as black dots on the planet's surface, as your observations showed.

"The premittent blue-green markings on our weighbor in space are of a basyler soil and are the old sea body. The lighter anoly soils were shardened, because of the large quantity of water neceseary to make them fortlin, save along the lines of the crande. But to continue-

"With this? Might devised instruments the Methans had associational that their emphasizing planet, the Karth, was well avaided to engoget hits planet, the Karth, was well avaided to engoget hits the second structure of the second structure of the second structure of the second traces. Encouraged by the throught of the possibilities the which resulted in a machine which would reave which are could be a machine which would reave platform an emitting to this of the "Goldont Stock et", gasses formed by the emitmations of certain which second the the star of the "Goldont Stock with during a second by the emitmation of certain which during a second the the star of the machine would during a second the the star of the second to would be the star of the second the second the star model are starting the start.

"Wing-shaped members supported H in the air until its velocity was high cough for it to leave the afmesphere, while a second series of xoulds in the low of the craft retarded it when a larding had to be much

"A company of daring pioneers left one eventful day to commone the first interplanetary marginities our solar system has invery, and after smooths of an unersenful journey, haded safely on the Earth. An unforcement diseaster overboth the adventurons company, however. Under the greater gravitational form to while there were autointeerd here. While value tively frail bodies broke down. Fredapse of their inner organs coured many to die in agony within a month of their insting, so the propert was abandozed and the survivors returned to their naive planet.

""Utdammed by this failure they set to work to develop a race capitel of withbarding the new corditions. After a lapse of nearly faur bundend years a new expeditions of forth. This record party wan more successful than the first, and successful in founding a colory on the high platmar region where the offsider was found. Their bodies were stillingly braned by a nearl framework which relieve, to some stant, the strain to which they were subised.

""These first intelligent inholotants of the Ferth ware plants compared with us. Their average height was about aims feet; their large, which ware deweighed to accommodite the rarer atmosphere of Mars, were ensisted by a barrel-like check, but their insite were pliftlight this, though much better adapted to their new environment than these of their medicensers.

""Af time went on children were here into this new weld and new arrivals came across the gulf avery two years when Mars was in opposition?" Then came another constrained, as the children been here green, it was noticed that their intelliproce was inferier to fast of their pacents. Bodily they were smaller and startion, but their monihily they were smaller and startion, but their monihily but to that or a fastrian child but their age.

"'Immigration stopped while this new place was arritoutly watched. Everything within the Martina's power was done to check this effect, but without avail. Things went frem baid to worke as the second generation was horn, for these were still forther from the high metal standard of their forefathers. Instead of highly intelligent beings, the new was realled reserving to the arising the state.

"The fourth generation was but a groutsque cariculture of the original stock, and were already forming into bonds of messadie navages, having the enter of their community to wander at large over the face of the Earth

\* Theorething within the power of the Hardina betwee full to alleviate these conflictents, the projected plan was abandoned. Before lawsing this planet forever, to orders to their own sphere, it was decided to build a more ment to their only sphere, it was decided to build a more met to a soft intelligence and are to the soft of the statement of the soft of the

"Two other cylinders, similar in werry results to the one 1 found, were contracted of a longin noncorrorise motal which would withstand the durantic forces of the elements threadpart the ages until track hence, again appeared. This have the har been track hence, again appeared. This have the har been track hence agains appeared. This have the har been track hence against the start of the start track hence against the start of the start track hence against the start of the start track hence against a start of the start track hence against a start of the start track of the start of the start of the start of the start start of the start of the start of the start of the start start of the start of the start of the start of the start start of the start of the start of the start of the start start of the start of t would be it a minimum. One where I found it, asother successive on a container over which the Atlantic row rolls, and the last in the container which we know a Austraha. This laster may set which we know a Austraha. This laster may set there is a relative to the set of the last ording and the set of the set of the set of the there is a set of the set of the set of the set have been denoted by result does not be set, they lowing each will index well set of container and make keys in a the two hours of the set.

"This pirroit and all their works were then abandense. Fractically all other traces of their soluture have now workished into durit, though here and there I found remains of their supporting harness, for which they had used this remarkable metal, which is, I believe, akin to aluminum."

### CHAPTER IV

<sup>66</sup> B Y the time my curvey survey of the continute of the library was completed, the nutries had succeeded in clearing away the mass of earth around the criminer, so that I was better able to understand its construction and what had happened to it throughout the ages.

The walls of the eigent were approximately six feet thick with the sip and battern of covers from, before to without an apprent pressure to which it mights is subjected. The which structure was of one previous the site of the site of the site of the site previous to the interior. Four massive, sensity reposed prober, or vites, reduced on from the cylinder tilts object of these batts to prevent the cylinder tilts object of these batts to investigate and an ending were as the out inside of the site interior is have simally described to you.

"Originally the structure had rested on the surface of a hard limestone formation, but the gradual weathering of this had caused it to sink dopenwords into the little valley which now exists there.

"Having compiled my examination of the cylinfor and rationic mysaif that there was nothing more to be barred until other volumes were trapsticed. I correlately scaled and backed the entrance, after selecting a few of which I decined the most inperiant records to take away with me. The keys I seemed into a correct belt which I strenged about a second into a correct belt which I strenged about secolity.

"Bigbt months after leaving the valler I was once more in Washington where I hid my discoveries before the departmental beach. It was decided to keep the thing scored until an expedition could go to Africe and return with the remainder of the library. I expect that we shall be hearing from them in a few months' time, if all goes well.

"Among the volumes I brought out with me was this one." Hargraves said, reaching for the package he had brought with him.

Unwrotpping it, he banded me a lustrous metal box such as he had described. I took it and pressed the spring at the slde. The cover, which I may liken to the freet based of our books, flew back.

There before me, apparently floating in space, was the representation of a subere. So real was the

<sup>\*</sup>Opposition A planet is in opposition rearest to the earth when the Son, Earth and the planet are in the same straight low with the Earth and the planet on the same side of the Sam.

three-dimensional aspect of the thing that I could not resit possible my figure over its surface to assure reprod that it really was in one plane. We use as "Batteriot of the plane do repeter. More, At the poles glistensi twin polar copy, the ordbren was belied with a braid-batterio hand. It was evidently the full of the year in the planet's performanherin with a figure-batterio.

I recognized some of the principal features--Utopia, the Syrtis Major and the Fashass Lacus" (1)--though there were other bia-gramm matKings with which I was not familiar. The desert areas, I new at once, were much sensite than they are today and only a few chasis were shows.

I stepped to axamaze the "bage" on which it was depicted. Like the case, it was of metal, and mppaced to pass over a roller, fills the film of a canare. Afterwards Hazarob that it was on an endous belt arrangement, passing over a series of much belt arrangement, passing the percention and below contast with Hard. Hot this percention act been taken there was a damper of the absents techning and heing arrangemently rained.

Pressing the little lever-like arrangement at the lower and of the case as my companion directed, the picture fitched out of sight revealing another view of the planet. A series of such views gave details of every partice of the planet's surface and then I same to a different type of picture

came to a universal type of potune 14 were an Husterlan in hiving a algoratic englneering undersking. A low range of hill formed the background and down their place rates are unable statements and down their place rates are serverion. The latter form is not place to the were what is the latter form is a servering was no immuse converting at the latter of which were what I tools to be converting modifies, whose apprend also we cohonced by the diministry human-like formers I could see here and there arenow them.

Translating the legend below, Hargraves informed as that thus Hustrated case of the earabe urder construction and that the tuilding at the fost of the hill beased the purpling rechanizes which was to raise the water to its new level. This particular piece of work was at what we call the nerthern neute of the Trivian Chrosonite" (20).

pills do no stream observations are the pressing of the ster. Great confinencing works, many and of the ster. Great confinencing works, many and of the stere becomes and the start Batter Battering are well worth describing. Unlike our conversion are well worth describing. Unlike our conversion like atterns the ways reviewed amplified in advantance, for the buildings were provided in forces, each story being smaller than the cone being, with a broad supe space remaining around it. A reddieb store second to be used in histic construction, which a triomage of

(1) The reads: is reconstanted to read "The Piecet Mars," "Mars and reads," and "Mars and the Abole of Diff. "-shear values, which we have been approximately for integration of the second second

non-technical language — The Aution \*(2) Observations have above that there are no great elerations on the surface of Mars—nothing that approaches minimized size. dill green, well saiting the style of architecture, which had a Babylenian cast shout it. Famey carving or emamentations were wholly absent.

A number of torpeds-shaped edgets were evidently moving through the air above the ways between these massive plies, a heat of others were "parked" on the broad galleries of the buildinge, over which were what I supposed to be long windows which lighted their interform.

This, Regraves toil me, was the metropolis of the pixels, on these weres the occurity onlinear from which the affairs of this far of world were directed. A symbol romouth on a stuff at the top of cashbuilding marked the department to which it belenged. A faming San, creased parallel lines, a status and compasi, and a canter of frugt were strong store of these 1 aws. Twell have it to the rederive traggination to solve the mannings of these symbols.

Atolibre view aboved the adapts form which great netral litters in the of distant class, or to which they come to discharge, their living corges. A few were resting upon their crashes, tabling about fright not presenteers, or discharging the predicts of diindependent of the second second second second undergreated. All howy tracks was carried undergreated in the effeks, I was informed, and same to the surface could at its destination.

"To think that this was taking place half-a-mil-Non yaars ago," I asid to my companion. "I wonder what it is like there now."

"Bother days the region of "There are a straight of the second state of the second sta

It was late that night when my violiter left, very kindly leaving the volume behind for my further perusal and with a promise to aid me by interpreting the accompanying text. Without his aid I would not have been able to make much of It, and would perhaps have ease to may veryoneas expellations.

The following days, with Hargraves' assistance, I studied it thereaghly, comparing the maps with my own drawings and abecking up much of my observational data,

I have written down this atory so that time would not ease me to forget the finer details. Some day I may publish it, if I can obtain permission.

Protocyts—Sizes penaling the shows the remainder of the lineary has arrived in America, as all on friend informs use that I are quice at liberty to publish their (which has has read). At present linegraves, with a large star of assistants, is or angular in the translation of the records, but if will be a lined. The operator with a sea the publiable. The operator will be seen to be pubtion to the second second second second second will be seen as publicat for a few more years will the second private to as.

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### ELECTRO~EPISODED in A.D. 2025 By & D Skinner



incortery a marile point knowly hepped and to the helt of the higher all the two mountains peaks, he tasks a delicart comparwhen and communicat this with "Land". Threader the company

F. Lieuteaurt-Colored Algerrons Sidney St. Johnstens, N.Y.N.G., had been in a mercul conduction, he would certainly have been aware of a peculiar burning sensation in the region of his upper locat wat product your underformative it as hap.

pened that his actual physical state was most emphatically sub-normal. Still be could hardly avoid

the surpleion that comething out of the ordinary had disturbed him; and, with blinking eyes, he searched the apariment for passible inordenate things.

The first to attract his attention was a xadly folded copy of the eleven o'check edition of the Hoaving Basiletie, bearing the defau "Townlow Low

uary 7, 2005"; which, with its "ap-to-the-minute" Wall street market quotations, hy unread upon the deek before him. This he sweep to the foor with an functiont sweep of his arm!

Next his left hand instinctively rought, with practiced genetizion, a block bottle on a side-deck close by. Holding the bottle to the light, his even told have that it was sensiv. Thrains it unside hack into "Local" the fulst software of the mountain disappeared, and a widd potture of the "Parker Press" replaced it.

down above his woke-open insuit, his income repected the information with emphasis. Dejectedly keeping the bettle before birn, be glared in an inmore fury at two green isbelo—one the trade mark of a by-green century, and the other a "Rottled in Bond" sharp datadi "July 1, 1016"—which has wisdem teid him were bith foremrina.

Then, as the topographical details of his "de-

HU(00), we have been tool by coses of our critical, one nerve assess to result according to the second terms. If we way to a second case of the lass, the follow has been so there easily cosed in a study house matrices speechesses the second second in a study house matrix speechesses the star-study cose of the algorithm of the observe-measures and the study house of the observe-measures and the star of the second sec hical distain of his "dee" because elsever to his bourned vision, his eyes picked out the recumbeau form of his correctly sotired and correctly fasture ed valet atumbering peacefully and audiby in a Norris chair in the fac correst-such this under the very more of his manter! instantly the bettle was hundred at the valet's head t-such the latter

promptly proved his trained efficiency in the art of alcoping "with one eye open," by automatically and unnecessarily dodging.

Finally Algornou's superheated emotions found went in speech. Glaring savagely at his vehet, he said;

"Shay you variet!--"

He poused and chuckled for a moment at the

harror of the "pun"-then he repeated londly;

"Shay you warfet, wake up! Liaben frm. You proh lishy or jebon, bill hash boshipger hosh thief of raime if to abands me more abtuff like thish i abse nahrhan hash konkleggarfs trats. 'Ng gook him fired. Thash schull kill 'male ! You tell'sh him of a chart money' to abguedo on blokis 'n buy sharuple' fit f mbarliemen's achievento. Thash schull kill 'male !!

The valet fixed one eye on his master, the other being blackened and fully closed, and answered promotiy and precisely:

"Yee, wir I Ar you say, sir! But, begging your parden, sir, the protinous neet word vestersing that you should not derive any of that, so it was dangerous. He said, begging your parden, sir, that the goods thy make for the common people head been sent you by mistake. He apologized mest prefusiv."

Algernon turned on his valet in a fury.

"N you leth me kill m'self wish thath schtuff?"

"Beging your parks, if," replied the valet, "I did object to the best of my ability. Just you resisted most visionly, Makestrang my gra and knowleing me unconscious into this shaft, so that I only recovered just as you spake a moment apo. That poston must have tomporarily deranged your intillent, ai."

"Thash it! S'poiser d'ranged in'lest, Thash soltuff kill 'mule. S'too had! Here, s'take thish." And Algorner tosk a bill from hit pocket and tossed it at his wist.

For a moment he nat quistly as if in a profound study, and then another idea struck him.

"Shay you othrimp! Whash shiaring t'me like ow! for!" he said, addressing the whot. "Gash kishy on 'phone, tell hosshiargor-dag shend me 'normer owe quick. S'tell him 1 pst awfor thirst."

"Yes, sirl As you say, sir," replied the value with sharrily. "But, begging your parden, sr, the genderma did pertains to send another case yesterday; and, begging your parden, sir, I believe he would have done as, if the federal officers had not raded him and put him in ind."

For a moment Algernon shared at his valet in a speechless may that parily sobered him. Then the words came in a torrent of choice but incoherent investive.

"Whazaat?" he cried. "Thesh-cure gesh my booshlegger! I gesh them quick!"

He passed a second for breath, eyoing his valet the while with maudlin profundity, and then he centinued:

"Buy yea meckey-face' weptile, whath shtaring me fort" be exploited. "Gala bishy! Gala bishy or 'poine. Use p'win ecci. Tail mak-bal schief t' call hish dogs of my boeshingper a' erce. Tuil him I get his cale phure. Teil him thick Adfrice Shid'ry Shain Shoraves. "universitan'! Alg'non Shid'ry Shain Shoraves.

With a "Test, sir! At ence, sir! As you say, dir?" the valit chered premptly, and was seen buried in his maturin private code-tock, while Algerence, new considerably solered by his rage, because fully considers of the peculiar burning susnation in the region of his upper heft-based west pecked-mode of the fact his busing indicontrol beyond a doubt that his figures, Esmeraida Comentine Jones-Browson, desired to communicate with him.

Well versels as is were in the art of "zecasarge" of swords the "control of the spectra" in the induce variety of swords to which she is addition, a quarteral emistation of the strength of the spectra of the spectra interval of the spectra interval of the spectra interval of the spectra of the spectr

THE row had started when he presented Eamerspacially-designed miniature radio receiving-andbroadcasting sets. His own carried the equipment in a small cold case in his west norket, while the wiring, the antenna, and the star) frame which held the head-phone in place with microphone pendaul before the result, was colled and folded in a time golden receptacle on the outside of the pecket. The steel wiring was "Electro re-tempered" by a preprocess which increased its tenally should be bandred fold; while the concer was first tempered by the re-discovered process which set or re-tempered" the same as the steel. So that, while of gossamer-like delicacy in appearance, the whole apparatus was in fact much stranger than the old delicately-complicated, alternating "E.V.R.X.Y.Z." wavelength, which the makers believed preed against diplication, and which they guaranteed against static within a radius of 10,000 villes under any possible conditions. The cover of the outer receptacle of his own set was in shape a gold shield, with a "coread carfe" starward vamper i South Sea Island gelden-squart field on its face. for a decoration of European royalty; and Eameralds had agreed with him that it was cuits

But here was contained in the lack of a 'veridot's with stack of but was where the traviale lattice. This was deal to find the end of the lattice of the start of the start of the start of the lastice of the start of the start of the start of the lastice of the start of the distance of the start of the "start of the start of the start of the start of the "start of the start of

That, as he had believed, had settied their argument! But two days before this, she had armoured advanced with the beat that Wartbeimer, the Parts arbiter of the werefit's funders, could device in the way of a realization of his "polyter-frame" aarearry and the row that resulted had, this time, beet beyter on beht addee-with her scoring the final "point" by throwing her engagement ring at his fast

Then, through the great "Retrictions" thick and attached to his great radio outly, the how wolf held her "take the "transburgt movies the second of the second seco

For a brief memory Algoriton main's profession effect to only the problem as to just how long he should scop her waiting before he arowered her "call." The inter adjustment of thiss to the particular individuality of the parson concerned under the oriented adjustment and the main a matter control that the might her most works as accletion, canonic that her might her most work as accletion, instantic he acted!

Torohing a spring on the golden radio-receptede on his vect poolet, he caught the released framtories and the second results and the released framton ware into a deal and the disk and the his face. Then, choosing this works carefully and repreingly, he speed into the periods metrophyses with an attempted prediction to consult his thick targes, asking:

### "This you, Ram'alda?"

"Yee, this is me!" she mapped have promptly, "Who did you suppose it was? Have you been giving away any more of these "reachilt" radio sate to any other female? If I catch you physing any tricks on me with any other hussy, Fill make you wish that you had never beam born! If—"

Patiently, and spasking more clearly than before, Algernon stopped the flow of words by interjecting another query.

### "Want an'thin' p'tscular ?" he asked

"The 11 such also galaxie-input thus instant, who were the "The bare and bar in the second second second second regularized second second second second second second regularized second second second second second second regularized second s Algernon's stoppage of the verbal torrent was decidedly impattent this time.

"Shay listen," he broke in. "If you don't tell where at, I can't find you. Tell in code."

"Add't I tolling you just as fast as fast as  $1 = 0.01^{10}$  show relevant. Two hear inding you have a fast as I could make not been inding you fastly assumed not, and you took as sorth long them is assumed not, and you took as sorth long them is assumed for the table, and it links you are as bott, and I have forme table, and I links you are as bott, and I have forme you are still drank, and here is the incuton in oute: (WG-110 108-144); 385-142; 395-142; 495-140; and he are you put it forwn on paper right nawn is you don't forget, and..."

Bat Algernen had "hung up."

By now he was rober cough to realize that is we not sober cough for the task in head, so he quickly samped the broacht of an "Electric Egenerator avourd his write, so the regulator at "2 recents," larged into unconscience-such wroke at the could of that time an estirity different man, as the result of the equivalent of two night's mixed by the court of the equivalent of two night's mixed by the solution of the equivalent of two night's mixed by the solution of the equivalent of two night's mixed by the solution of the equivalent of two night's mixed by the solution of the equivalent of the equivalent of the solution of the equivalent of the equivalent of the solution of the equivalent of the equivalent

H18 first more so swetching, was to reach for a battern in the desk before him marked "Prockare Transporter"; but he possed with the moremain half completed, as a lock of pair disberted his face. For a moment be disaped built husds across his forchead, mounting, in helpless misery: "My God! Watt a handhafe"

His beinlessons, however, was only temporare Yurning to a aliver urn behind him, which here the golden inhid legend: "Pasteurined Water," he present what appeared to be a part of a sarved figure in the mahageny base and a secret drawer shot out revealing a number of coffee cure, spoons Sugar and 2 Jigger Cream." Dropping one of these tablets and a spoon into a oun he set it down on his deck. Next he took a diminutive collaredble porket; and, with its sid, picked out an all-butinvisible medie-point opposaled in the filterve area. mentation of the fancet of the urn. This he pressed with his floger sail. Then be pushed a butten in the fauort isheled "Hot," and filled the coffue car as he membled jubilantly to himself ; "Some trick this! You got your 'pastaurized water' according to government regulations all right, but-ob! You rage, spot the staff out and harled the cap across

 "Cart's help it, John," he said. "This is a real emergency and I simply have pot to have scenthing. On the face of things, it looks like the narcotas are the only genuics stuff left to us by the "Beckingener-Samszie"-Prehibitionist Combine."

Then, with clear-headed precision, he proceeded

Instructing his valet to make careful notations on a tablet to avoid mistakes, he dictated:

The second seco

With the dictation completed, Algerron undersy because conselsus of the fact that has system was demanding contenance after his preformed fast—in plain works, that he was vulperly innerge—and so, having no lines to particle of a seguilation repair in the regulation meanur, he pulled is gold case from the moket, extracted a counts of allokits starmed) "Equivalant-One Full Meal," and hartily swal-

Refreshed and invigorated by the nourishment as zeriously needed, he proceeded to quick, effective action.

Pressing a lotter in his dark models? "P.T.", an optimumly communication linking on the celling despised and anapped into the forms of a mapsedia despised and anapped into the forms of a mapsedia started with that member, perceptly add in the links. The loss prevend to be a Linking and Lock Similari Diritionary" of the organization of the Similari Diritionary" of the organization of the private color-back (accusate he holicewid that the top exclusion), then the second that the top

Bitoria: the book into his "Lighteniar Code-dacipherer," his trached his multi-flat lays of it his," have in the numerical excitation arises him by Kamerabia m he measure, and the dollate wire arise guidzy turned the papers and photed out for All m the works' parking "maximat" and "McKlakey" intrombergy the "tigse" she had "phote of, he was parallel for a moment by the method the structure of the phote such as animal and then he works and the phote such as animal and then he the structure of the phote-works and the structure of the phote-works and the strucard them he thermal of the Phote-works and that

methodian behind him, he nicked two fras needles points out of a helder, pressed one through its gulation mention of "Mt. McKinley" and the other into "New York City." Giving the globe a single revolution, the indicator of the "Lightning Air-line Distance Calculator" promptly registered "3068 miles 264 dast, 00 Inches." Throwing the clutch of his "Electre-visional" into the "2070 mile" circuit, he outline of the twin heads of "Denall and his Wife" burdy within the "W.N.W." notor of the white circle that appeared on the dial. Inserting a needleof the two mountain peaks, he tack a delicate course wire and connected this with "Local." Threwing "Parker Pan" replaced it. But, even with his microcopy, he could find nothing of his Lemonals." Finally, in the lower and, he picked out a faint Murr of fine lines fleshing, disancearing, and flashing again-and, remembering that also had bee was probably operating even yet, and that, there,

FOR a moment the incorgruous "tiger" torfinite mental hum, but he figured that she, in her estdent excitoned, had probably distorted or incorrectly expressed a glimpse at a mountain goat, or something of that serie.

Having successfully solved the problem of his Remeralac's ubcreations, his next move was to apply to the "National Asrial-centred Bureau" in Washington for a special permit, with "right-ofway," for an "Electric-flash" transit to Mt. Mo-Kinier, Alaxia, between the 20,000 and 22,000 feet strain, with return privilege "under his own power," starting "three minutes from moment of application." He also demanded photographed copies of pertuit and mensancy orders,

"Fermit, etc., scurcely meeted at that altitude, especially as only one other "Electric-flash' machine yet in existence; and that-," the clerk attempted to exceeduate.

But Algernon paremptorily abut off the aluggish clerk's remonstrances,

"Cut networks about what I need," he broke in, "and get have with what I want, or I'll call the oldef. Do you realize whom you are dealing with? New get bays, and SNAP TO IT !"

And, seeing in his "Electre-visional" that the mapic of his name had produced instant "imappingted"s activities on the part of the circle, he conmethed up his "Endlo Electro-photographing" comera, and turned his attention to the last mecesary detail to be arringed hearter his departure.

Blipping the plug of his "Radirphene" into the "E-V.R." wavelength societ, he samped the framework of its boak phene and microphene combination over his face, and called softly: "Charlie Grant there?"

"Yep1 This is Charlie speaking," his broker's voice rapiled, with terms economy of words,

Recognizing the voice, Algernon's next question was to the point.

"Anything doing on 'change ?" he asked.

"Quiet as a 'chink' funeral now-just over florry," his broker answered. "Two weeks are rumor Jim Macdenald-thief 'National Low-enforcement dropped ten points. Two days inter Jim resigned and N.B.C. lost twenty points. Next day President appointed Wheeler Wayne (who has never taken a drink in his life, where anybody could eatch him Wayne's first move was to order your local boot legger, Lippincott, raided and jailed, and the hettom fell clear out of "N.B.C." For pearly a whole day the Pit was stermed by a moh of the faist. hearted in a panie, begging anybody and everybody anything they would give. I had inside tip that officers only found one quart in Lingingott's ressession, so I did the charitable act (in your name) by relieving them of ten millions. Would have plunged deeper but afreid of complicating other Jenkins (head National Bootlegger Trust) settled squable about Jim's demand for more dough; and the 'avidence' against Lippicoott' was 'loot,' he was turned loose, and 'N.B.C.' feated back to mercal Bons, or can hang on-just as you say."

Turning to one side Algornon alipped a sheet of paper fato, and switched the connection into what looked like a completened development of the original typewriter; and then realigned to Ma bedger.

Tou did fine, Churks," he said, "Dun't Surget that you double your regular percentage when I am "off the reservation." Then, after a momentary heretation to consider, he rectinued: "Tell book keeper to read stitement into griven radiophone at man, as Lainaff how "Reducertweitenhored readgraph" connected. Unlead "Rockager" took as soon as yoo one without antriching prefix that you are zero of as 1 don't want ay mene publicly mixed in the business. And now Fitter, Cherkiel P. meing away for a hit-groubdly for any is in orthing unforeseen happens. If you want me, call on regular T&N.R. but use Sing distance." If you taking how to to look for mo, conce over here negative to the to the for form some over here negative to the to the for form some over here negative to the to the for form some over here negative to the to the for form some over here the form to the to the fort of the form of the some some over here to the fort of the some over here and the source of the source of the source over here to all the source of the source of

A <sup>8</sup> Algemon ceased speaking, the slivery 'ting' of a little bell on his "Radio Ricetro-obotogranhing" camera natified him of the receipt of the shotographed copies of his government permit and the correlating orders israed; while the discontingdictaphenetypograph" told him that his broker's bookkneper had completed his statement. From the former he extracted two slips of paper, and found them correct. But he studied the sheet of name that he took from the latter for a moment, in a perpiezed confusion at the phonetic simplicity of the spelling of the words. Then, reflecting that this mathematically-exact translation of oral sound would eventually assist in the elimination of the orthographic abourdities which always had burother two; and pressing a batton in the side-wall which opened a small door leading into a "conperson" sized compartment in a perpendicular preumatic tube, he stopped within, and was shot

Going to the largest of the hangars that dotted the roof, he pushed a botton-and the door flaw com and a elistening "Electro re-tempered" comer monstrouity trundled out on a truck. The best that could be said for its share was that it looked like a gigantic beer bottle. Stepping to the month of the "bottle," he pressed a button, and the stopper flow out with a load report. Entering the narrow passage-way through the "neck," he switched on the electric lights and found himself in a spacious, tempered-glass concustment "hisso-into" the itself with a vacuum space, and with the few neeessary contacts cluborately (numlated. A yank at a lever started as "Oxygen Supply" apparatus (already act at "One Person") going, and a touched button caused the "stopper" to fly hatk into place with another load report

There a relation of the rel

A shifted lower on a large laphaced set the "Interior Temperature Registate" of the compartment programmers and the set of the semperature register-strateging and the set of the semperature distance-strateging and the set of the set of the distance strateging and the semperature of the set and a set of the set of the second set of the strateging and the set of the second set of the trick is not be an of the second set of the second set of the second set of the second set of the strateging and the set of the second set of the second set of the set of the second set of the set of the second set of the second set of the second set of the set of the second set of the second set of the second set of the set of the second set fifth released an electron of atomic-energy from the basic atom into the "Atomic-energy Reservoir" to maintain the parity of the same's.

Botting Barrow II is a spheroteries durit, be prepertion of a sphero and spheromenetism. While and hand the "Exceptor-properties" and the spherometers of the Hard Tacket environment of the spherometers of the the spherometers and the spherometers of the spherometers barrow and finished the spherometers of the bars of relations of the spherometers of the spherometers of the bars of relations of the spherometers of the spherometers of the bars of relations of the spherometers of the spherometers of the bars of relations of the spherometers of the bars of relations of the spherometers of the spherome

Turning to the "Electro-relation?" dial, be there the dash to the head of 2007 Mile" closer, plated eet the fash routine of the higher pasks of NG, NGNs routing the state of the state of the state of the routing the state of the state of the state of the "Load" – which he knew was permanently onerelation in the state of the "Relativistic of the "AD" Rescond," pushed a head which that of the headpoort, state of the the terwhich colleges of the theory and the state of the head the the term of the state of the state of the state of the the term which colleges of the term of the term of the term of the term of the state of the term of the state of the term of term

Then, is splite of all presentions, he was asserptioned by the velocity high-maps that enveloped the high-maps that enveloped the high-maps that enveloped the high-maps of the high-maps and the same research and have a set of the same properties as it is asternationally also be a single full speed "In Reverse,"

Oparine his open with nerves taut for the crashill manuel, be reached for the "Plane-wing" hever with one hand, and gianced at the "Beeneismester" for the inflicitien of the moment when it would be safe, and messaary, that he throwcout his bplane-wings of "Electro re-tempered" stoel with a "prevail" of conclusions after fast.

Then, and denly, the dual peaks of Mt, McKinky, appeared directly in frent of his "Electro-taional", not, throwing acuiton to the withis, he passion-down the "Fluxe-wing" lever, and leard the ratific and hear of the adjustments, and any that the apparatus was with stating a severar text than it was guaranteed for.

painting over an he looked, the higher peak of her monitorin approach directly moleranely, and, her monitorin approach directly moleranely, and, indirectly approach the moleranely approach indirectly approach with investigation and approach indirectly approach approach and approach they approach approach approach and applies draws and approach approach approach and applies draws approach device shelf point at "Minimum-ex-follitude" such as the lever of the rare propulse which investit that instrument rathing hash into which investit that instrument rathing hash into the such as the same that the same same perpendicular to a full steps which is been at or encough though transplant makes justed about or estable in the mast "Anti-id Orgango" and has been registered in the transplant makes references that it was his rare perpendicular solutions and that rates in the rate transplant makes and that it was his rare perpendicular solution and that rates, register full as solutions and the rates register full that rates and the rates and the rates.

A GLANCE at his "Bietrovitient" about that he was parsited with and hat a few feet awar from, the top of the till about Parker Fees, and the first them is a saw of the Everytaic's biptone with sits runs haring in a case of i.e., But its "Barks serves Bearing the a sake of i.e., But its "Barks serves Bearings" and some abronning merrity, and line rest "spot-lighty" revealed the dotain below, babled the "Brensen" in wived detail.

CDD due to have the evident function. As equilable descent in his house of the start of the start of the descent in his house it and the start of the start erg in one spectra dual key, and that if the indication of the start indication of the start of

And thes-TO AN ABSOLUTE CRETAINTY, HE DISCOVERED THE FIGURE OF A MON-STROUS ROYAL BROAL TIGER ON 7HE LEDGE ABOVE HER, WHICH WAS POISED IN THE ATTITUDE FOR 17E FINAL, FATAL SPENIC UPON ITS FRUY!

With frontle energy he "graduad-source" the "analogs" were of the holison, graduad the parastruct, pended the holison values" wentroppered" to "buttle," and jumppel-making the descent in "recerc?" time, but heating to visitently that he was borded in the source, because, in this panic, he forport to pull the string of his parashase until he was two chirds down.

A momentary fear of being methored in the move, was followed by a spann of akilled "doubal" tostics in "locking" and aquirming his way out; and, foundering fragilizing towards his beloved, he yelled at the top of his wylce:

"Esmeralda! My darling! I am here?"

With the stately gence of a real "blue-blooded" aristicrets, the royal anaden turned majorically, and from the hasest within him with a frigid gizer --such as only those with four centuries of unmaxed "MayBower" blood in their veins, can hope to aspire to.

"Your presence is sufficiently perceptible," she said in measured traces, "to preclude any necessity for such holsterson conduct. In the future, when we are abread together, it will please me greatly if you bring your manners along with you, instead of heaving them at home. Also, I world results two that you have been fifteen whole minutes in answering my 'call'."

And then Nature claimed its own, and, womanlike, Esmeralda fell fainting into her lover's arms, murmaring as the lost consciousness: "Algr! My dwiling! My savier!"

For a http://mmsst Algernan pressed the inanimats form of his sweetheart to his mustly breast, and showered a storm of passionistic kines upon a wisp of hir hair so it floated in the breeze against his none---and then he bribuight him of that poised tiper on the ledge above?

Galolity be publick his "Electric Automatic," aimed carefully at the heart's heart, and pressed the button. A black spot showed en the spot ha had aimed at, and the air hearne filled with the preparet sfor of burash hair-but the buriet above remained in an apparently statuseque uncaractoraness of the assault!

Algebrash had remembered that, some size months befors, as Royal Bergal Viger had escaped from "Barenes and Balley's' elevas, while it was showing at Das Noices, how; and that the deferts is are confirmer wildering. This, then, was that light Happening in the neighborhead and naturally in a familited ecolities, a sourt of Emershik had recorded H and had areased for same in single. Be, as it roke wat out outs height for the famil, famil of below new gain had for all its travelet.

And then, just as all his troubles and werries second to have vanished, the "whit" of an airplane engine turned his eyes upwards; and, directly overhead, he saw a "Parity League" biplane circling for a landing.

With frantic energy he shock the unconscious form that reposed in his arms, and chouted late her ear at the top of his value:

"Estneralda! Durling! Wake up! That "Parity League slouth has found us! He is sure to be one

of those 'ex-convict' erooks working on a percentage for what he can get, and, if he catches you out here in public in that contants, he will reak you into af his 'langgareo' courts, and 'railroad' you into jail! Wake up! Es---"

THE sharp angle of Mary Jane's bury know-eq, adoptly from practice and forcility by instinct, projected into my left-hand former short-lib, finally aroused me; and, as if it were as scho of my dream, I distinctly heard the didect trens of her pantle voice in my ear, shortfurg:

"Wake up you, John Hurry! You're northe like a henel Harrel? I told you three mough near to sleep on your hald? Ture over an your right slid! And you're here taking something ordel in your shee, too! Who's this during Extension's, any way? If I catch her meskeying with yon, Tur centrh her eyes out! None of your iles, new! Three wourt any "Extension's in that picturepic we save busight, oo you heter not try to certing appliant of the out on the !!!!

But, preved by my rude awakening, and not feeling well anyway, I stopped the verbal torrent by broking in.

"If you eas't be axistled with mogging at me about rothing all day, but you must go wiking me up in the middle of the night to keep it up, I'll move into the space room, and but you sleep by ymmedif." I threatneed. "Besides," I adda, 'yen'w pat me crowide class off onto the bedrail, and nobody could sheep like that answery."

Hary Jane, my wife, was contrite and very hunble at once, which shows that I know how to manage her properly when I really want to,

"I didn't wake you up to ang at you, being the aid penitority, as also anguiged up to me and reached out her houst to careas me. "But that satisfd yours down in the cellus has heen populg-off to least the based for an hear, and I yout know that you'll least be while batch if you don't lead to it you'll least be while batch if you don't lead to it is to both, but if never does any good for me to say arthing. You'll just—""

"Well, if it's going to 'pup,' it's going to and that's all there is to it," I breke in petulanty, "If you thick you can just make the mext heady yourself and I do, you can just make the mext heady yourself and not if you can do any better. Now more over and give me enough of the bed to his confortably in, and give me a chance to get a little size."

And, as my "better-half" squirmed back to her own side of the bod, I turned over upon my right side and slept fairly well for the rest of the night.

## The ULTRA-ELIXIR of YOUTH By A.Hyatt Verrill

Author of "The Man Who Could Vanish," "Through the Crater's Rim," etc.



"I will shrink to an infant in the cluthes I have an, in the makeshift, ext-doors things I am wearing. My brain is will clust and filled with the thangifts of a grave man-yre, zone the solar Not ship of my labeland is unchanged. . . . I have saught perpetual yeath and I have found it, but each a yeath! Youth reduced in the with degree,

### THE ULTRA-ELIXIR OF YOUTH



ROM time immercorial mankind has sought for the socret of eternal youth, for some manus to prevent the rarages of age. In many lands and in many ways men bass devoted their lives to

a reality, They have recovered world minimums, a reality, They have worked world minimums, marks, have have worked in a teamp lumit for a first have have worked in a teamp lumit form the start of the start of the start of the start is well come in a most annual group of the start well well with the past three years in fast, while the start the start of the start meaning - attling the past three years in fast, while the start of the start of the start of the start of the start have the start of the start of the start of the start of the start have the start of the start o

Now that the man responsible for the results can never repeat his performance, and has left no detailed explanation of the presan whereby the conditions were brought about, there is no remon why an account of the whole matter should not be published.

Unioutindly many of my readers will recollect the scatteness caused by the introducible dispparators of Doctor Elina Henderson, the well known will seconizer. Hologist of McCrachen Colleye, Probably, too, it will also he remembered that, almost coincidentially with his disegnerations, a number of the University tradecite vanished, as well as two private citizens and a physician.

As a great many more or less conflicting accounts were published in the newspapars of the time, and as miny of thuse were far from accurate, it may has well to give a brief resume of the second for

strange as it may seem, the disappearance, which for a time supplied headline material for the press, had a very direct bearing upon the discovery of prepetual youth, or rather, I might say, the discovery had a direct bearing upon the disapmentance.

The facts in the case ware simple and were well antablished. Five

stability, two private different, are instruction and a formic decry trayerble with border. Hisdermon, completely manihold without any dodent and the stability of the instituted after the dispersame of Dector Hearman, revealed the static that the stability of the stability of the dispersion of the stability of the dispersion of the stability of the stability of the stability of the dispersion of the stability of the stability of the stability of the dispersion of the stability of the stabi ogy from Dr. Henderson. It was therefore assumed that the meetings refarred to were in the nature of purely scientific affairs, although why the unseigntific murchant and barker should have been present, or altotid have visited Dr. Henderson's laboratory, was a mystery.

That Dr. Hönderen not vanhade, it is highly perkleft toth is word have been moved at makseptistic toth and the second second at making person and the second second second second and the second second second second second second in the second s

FURALLY, and making the case even more hirdfining, the gravitients of all the two were fraudtheir through containing tasked mode. The tradeet motion of the metric and hardner were discovered in their provide offices, and begins we discovered in their provide offices, and begins we discovered motions are not able to the start of the start term of the metric of the start of the start term of the start of the start of the start motion of the start of the start of the start term of the start term of the start of the start of the start of the start term of the start of the start of the start of the start term of the start of the start of the start of the start term of the start term of the start term of the start of the sta

MODERN science is deeply immersed on enterviewest base to ensy result the Excise of Tunit. Coulddar Interaction is programmy prefixed on the other will comyours for averest handred years. The excise, is his off and each and a second prefixed on the other theory wildow expected and the other theory are nondifferent ends of the other theory are nondifferent ends of the second of the other theory designed precisions on the prevent of the other second distance ends of the other the streng near comtagence of the other theory near comtagence of the other theory near comone could remember having neen any stranger or other person with how when be was hast seen. The juntter of the building, after attriving his bust to revisualize the events of the past few weeks, stands that he was under the ingression that he had seen a young man —A youth of fifteen or therrobeuts, extering and i.e. uving the docted

however, on several constraint, but he could not be not weakers or not has had never seven the extention in the young follow it company. The ways have in how means, which requires the seven defined that the had noticed a young man, and shift of show the same may, which requires its seven defined that the had noticed a young man, and shift of show the hadron size research weak to find the seven in the same seven in the seven the methods in the seven in the seven proton mode frequent within is their complying the the networks in a black as a person and be written as No trave of such a person and the seven in the seven is the seven interior of the seven is the seven is the seven interior of the seven is the seven is the seven interior of the seven is the seven is the seven interior of the seven is the seven is the seven interior of the seven is the seven is the seven interior of the seven is the seven is the seven interior of the seven is the seven is the seven interior of the seven is seven in the seven is the seven interior of the seven is seven in the seven is the seven interior of the seven is seven in the seven in the seven in the seven is seven in the second secon

Bot like all other mysteries and nonzoids, the matter scon bot interest, and within a twolvesmuch was providedly forepotton. Thus matters about when I received a fatter from the regents of McCmaken Oblego in which I was offered the patients of Professor of Bitleogy left vecant by the disappearance of Ire. Henderan.

Ordinarity, 1 thisk, 1 would have desitions, for 1 and an accrete spinn, and while the matry at a data and a second spin and a spin and a spin and corbita, put it did not offer the accept in research intermediate and a spin and a spin and a spin and the remotive spin any spin spin and and a spin and the remotive spin any spin spin and and a spin and the remotive spin any spin spin and and a spin and the remotive spin and any spin spin and and any spin is a spin and a spin and a spin and a spin and the spin and a spin and a spin and a spin and the spin and a spin and a spin and a spin and the spin and a spin and a spin and a spin and the spin and a spin and a spin and a spin and the spin and a spin and a spin and a spin and the spin and a spin and a

I therefore accepted the position, and, a few wonks inter, found myself in passenion of Dr. Henderson's laboratory, instruments, notes and arourshops. I am not superstitious and are not nervous, and I have never been subject to hallocinations on when I took charge of Dr. Henderson's work and able feeling of being in the presence of others, of being constantly watched. At times this accountion became almost unbearable. Several times I found myself involuntarily stepping aside as if to avoid stepping upon or bumping into someone, although the more was county, and once or twice I actually stasted and abbrered as I seatted to feel hands tourblag my limbs or body. It was, of course, vide, ulans. I was no believer in phosts or entitle and I decided that it was marely a psychological matter, a reaction of my nervous system to the atmosphere of mystery which pervoked the place. Hence, I haughed at my own sesantions, called upon my superior maxility to govern my subjective aerves, and proceeded with my work, but throughest my stay in the historatory—which was, I must contens, of short duration—I never overcame the decidedly unconfortable forsing which I have monitored.

My first act upon taking peasanaion of Dr. Hena thurcurk search of the premises with an orgality thereach housedeaning. Dr. Henderson, like so many scientific men, was unfortunately far from atus, formula and chemicals had been left in disorist had used them but: drawers and curboards up the place I wondered how the police could have litmus poper, and other rubbish in a closet I cave spect a and which, temporarily at head, completely fant's parments, rather mussed and solled and evidently worn. For a space I sat, gouing at the ting garmants with a strange mirgling of borrer, disbeen true after all? Had my old classmate gone feed an innocent child on the altar of science? If itself? And what had been his relations with the others who had wantabal? What fareful the had occurred to cause them all to disagreer 7 Surely I thrught, no matter what events had led up to the culminating destruction of the shild. Dr. Harder, community contracted of the case, Dr. nemorover he had done had hervad doubt been done in a wistoken, a warned idea that it was in the same of science: that the means would be justified by the recorded his theories, or the results of his emeriand, abandoning all other work. I sought diligently some serap of paper which might explain every-

Of excess, I realized, here was a possibility, even a struct show the ball of circles the stars are a struct a show the ball of circles the stars are ball disappared, tagether with the others when it as there schools and the loss implement of with min it for the structure of the stars of the stars are structured. The structure of the stars and the structure of the their freeds and hence would have dostroyed ary circle. The structure of the stars are structured and the structure of the structure product and the structure of the their structure of the stars and the structure of the structure of the stars and the structure of the structure of the structure of the stars and the structure of structures of the structure of the others had made away with the most important evidences, there was more than an even chance this they had overlooked or had completely forgetten strey notes which would three light on the matter.

• A state of the state of th

AND as I did so I became more and more asteamole at what I found, for the indimputable evidence of Dr. Handarase's writing proved blot the vanished biologist, whose whole life had been develot to actione and prevent facts, had belived in the wholly unacientific and preposterous dream of perpetual youth.

 $\vec{n}$  is an inclusive masses we cannot support the second secon

A little later I same upon the following: "I have cantronly sounded my class by dwelling lightly upon the matter of arreading deay and producing as-called perpetual youth. I judge neveral of the young max were intensity interacted as, after the

letters, they remained and pitol ins with many quastion. The nelevel open up existing minima the hilenshing down of existing fitness were possible, each outlo accurite, encoupl up accident, and pertical immortantly could to achieved. And what hermentics accompatibilization angle the achieved by a satisfit, an artist, any intellection man, if he was assumed of a nivity, healthy existence for hundred energy, the brain power, the physical and organizstation of the nirro of 15%.

T below: this might be accomplished. It. C (the decody statistics (b) Dr. Birks They may not the E, statistical distribution of the statistical statistical statistical attention of the statistical statistical statistical statistical distribution of the statistical statistical statistical distribution of the statistical statistical statistical statistical distribution of the statistical statistical distribution of the statistical distribution of the statistical distribution distribution of the statistical distribution of the statistical distribution of the statistical distribution distribution of the statistical distribution of the statistical distribution of the statistical distribution distribution of the statistical distribution of the statistical distribution of the statistical distribution distribution of the statistical distribution of the statistical distribution of the statistical distribution of the statistical distribution distribution of the statistical distribution of the statistical distribution distribution of the statistical distribution of the statistical distribution distribution of the statistical distribution of the statistical distribution of the distribution of the statistical distribution of the statistical distribution of the distribution of the statistical distribution of the statistical distribution of the distribution of the statistical distribution of the distribution of the statistical distribution of the distribution of the statistical distribution of the statis

For several pages after this had cetty De, Henderivar's diary omitted all reference to the subject, and I begue to think that his observations had been whelly theoretical, suit that he had not sectionly considered the matter. But in his I was groupy mittaken, for once again the subject was the sole topic of the notes.

"I believe that we are on the way to solving the matter when caused by the lapse of time," he had written. "A regrettable accident has indicated the when naming over the village of Emerane. One of are mentioned a most curious and interesting phonomenon which has occurred where the socident took place. The health of the residents has greatly overlight, and some ancient and dying trees have shown unusual and most astonishing growth-putting out new shoots and fresh leaver. I have visited Emerson in company with E, and have writed all these statements. Vegetation is far more lexuriant in the area about the village than elegwhere, and E. the OW gas with which the airthip was inflated way the direct cause of these interesting showcourse As workers in the isboratory where this gas is menufactured have exhibited no signs of similar effects, we can only assume that the emilation, which has so for been inexplicable, altered the gas in such a has the power to arrest the ravages of are and to cause rejuveration in organians. Unfortunately the composition of QW is a closely guarded accred, poses. Could we only obtain a small amount of the gas we might make sytourning discoveries."

S<sup>UCH</sup> thoughts mood through my brain as I peformed the succeeding pages of my predecessor's journal, until once again, I found myself fascinated by the record.

Bridnuby Dr. Haederson's problems complet furtion much of his fine to permit him to make regular entries, or else tothing important enough to trannershe secarred, for the sast entry in the journal was dided nearly two weeks after the foregoing and, at was no offen the case, music so reference to what had occurred in the kalerin.

"There is now no doubt in our minds that ascalled ape may be arrested," by worke. "My experiment, 02A, has proved this. Is a way, the capletics was rathen dissources, for it destroyed much valuable apparatus and quels nationally induced mutcas. However, ho is rapidly much which his deskress that the annalog rapidity with which his induced that may have his the sub sectory to the diffects of the unknown channels is the modeling over all the W grass. For the start has a start of the start is the start with the start of the st

The is a great give that reduces it as beingword by lack of fluids. To server the approximation and chemloah required to every no our experiments, and to perfect them, it will be accumant to accure larger than to every Eq. 20 with the approximation of the second set of the second second second second second set of the second second second second second set of the divided by approximation of the second set of the divided by approximation of the second set of the divided by approximation of the second second

Again there was a lapse, until under date of Fulr 5th was the following : "Montross has naved the way for earrying on the experiments. His mole, a Mr. Redfold is a wealthy banker whote obversion has Montrea, that he much give a million if he could retain all his faculties until his death. This gave he related what we had done and suggested that light his unch was intensely interested and exthat he might be a witness of our experiments. I have agreed to this as had E. Her friend, Burke has also been taken into our confidence, and five of my students have been enlisted in the cause. We have agreed that what we do must be kept to our solves until we most with success or failure, and an society. We have no desire to let others know what we are doing or to let the press reporters get hold of the matter. Hence we meet more or less secretly

"Montrons in antiroly recovered and is working diligently at his chamical preparations. Barks, by the way, has been of inentimable aid, for he has managed to accure the formula for QW. Political graft after all has its advantance."

As 1 read on, 1 because more and more emmeds, more and more facinated by the revealation of this initiation fournal of the missing biologist. Already much which had been mystericina had been charact op. The bend which had initial Borks, the laterlashed merchant and political bases, Radiah the Holded merchants in Parge the formule physician, more than the Hardgenera biologist, and for, stadents and Dar Hardgenera.

### THE ULTRA-ELIXIR OF YOUTH

son for the matchings of the ten was chara and, beyord question, all hold seen fit to vanish for the same reason. I had hitle doubt now that even that reason would be divided at 1 read as, and forgatof the fournal. But what I found exceeded my wilded forwards and becauted, atomical, fairly trenthing with sectioneer, I read the whity incredible, yet indupringhal true itory of the most anamice events even transaction by brance hards, a dory are at a follower.

"Montross has succeeded. He has separated over gas. Among these is an entirely new element which the kay to our success. Even if we full, the disand Bedilcid are fairly crazy over the work. The my wife. If we anceed, the vieta before up is too margelous to realize; endless wars of percebual youth together; never to grow old, never to hose of our appress from the world. We have sraned at length on this. Burke and Redfield were at first money-making opportunity in it treating persons for fabulous sums-millionaires he stated would nav anything to rotain their youth, while Redfield argood that if no one grow old the world wood soon bewever, pointed out that even if we could prevent the reviews of time we might not and metable woold not be able to prevent the rayages of diseases nor fatalities through accidents and that, youth being more impulsive and reckless than maturity. themselves of the trastmant. Monimus also minited intellectuals being able to earry on indefinitely would more than effect any dangars of overpressin which might arise. He himself he stated would devote his entire life to producing artificial foods. thus reducing the areas espectial to growing cross and housing. For my own part. I declared that it that we would. I felt sure, he heartfly sick of youth of us believe it desirabe. Barks in a devout Reman Catholic; Redfeld is a pillar of the Episconal showh: E. is very religious and a member of the which predicts to perturbate religned 1 and there belower is the completion of the Croice and His step, and relative the completion of the croice and step, and relative the classes are required would need to forme the characteristic of step of the thereas and the classes of the the classes of the classes of the classes of the classes of a scoregistic and classes the law or classes of the Nature 6 member 1 and agrees, has no classical of the Nature 6 member 1 and agrees, has no classical of the predict score of the classes of the classes of the Nature 6 member 1 and the classes of the classes of the classes. Never score the classes of the classes. Never score the classes of the classes of the classes of the classes. Never score score classes of the classes of th

We have arried an very extensive twice with that, as Montreas repected, the parts detected that that, as Montreas repected, the parts detected that that, as Montreas repected, the parts detected that unrepected statistics. While the lower forms of the respond to 1% is prediment and heavens rejurcerated. So that the part have some avers the Interface of the form of the lower that the state of the parts and the state of the lower that the state of the parts and the state of the state of the state of the parts the parts of the state of the state of the state of the lower the state of the state of the state of the state Heaven the state of the state of the state of the state Heaven the state of the state of the state of the state Heaven the state of the state of the state of the state Heaven the state of the state of the state of the state Heaven the state of the state of the state of the state of the state Heaven the state of the state of

"WE have bit it! Purely by accident we-for I must give credit to my assistants, and especivily to Burke who is the last man in the world one would expect to make a discovery - -- purely by accident, I say, we have salved the problem. To while away the time, Burke brought a radio receivcontaining the organisms treated with Juvenum was close to the set, and whereas all other treated radio ast continued to five and thrive with remark. able vigor. Burke, odfly enough, was the first to notice it, and called our attention to it. Johnson, pesses an intimute knowledge of the apparetus. He declared that the electro-magnetic waves, or the electrons from the tubes, must have been instrucooled to experiment along these lines. Unsuestionably Johnson was right. Organisms, both animal and vesotable, expected to the vacuum tuber action and treated with Juvenum become relays. expire rapidly. The question now is, do the retion after a certain duration of exposure to the tubes or is the action of the radio correy essential in asder for them to exist? .

"Perpetual youth is within our grasp! Once organisms are treated with Juvenum and subjected to the vacuum table" action, they retain their vigor and continue to Hwe without arrive. We row have In matter, was for for some the new former memory of the source of the distance of the source of the source of the source of the distance of the source of the source of the source of the distance of the source of the source of the source of the distance of the source of the source of the source of the distance of the source of the source of the source of the distance of the source of the sou

"We carned believe our senses. Every experiment has been a tremendeus success. Three days are Montreas's dog was a minerable half-bland toothicas thing and today he is frisking about like a puppy; he can see almost as well as ever and perrot is gay with the plumage of a young bled, he talks and chatters constantly, and climbs about that Ruriss, Redfeld, Johnson and several of the others fasteted on taking the treatment decrifts wither desirable. I had sought for means of reand restores youth. In all probability further resourches and experiments will enable us to adnumieter a treatment to such a manner that absort and permanently fixed, but at present we cannot how much of wouthfulness will be restored. Earnwould be far from desirable or plassant if, after beardless hove, irresponsible youngsters whom no They argued that by taking a light treatment they they had made the experiments nearlible they Johnson and the others aided with them, and at had to be the first to take the test. I convented,

"But I insisted that only a very light, almost asperificial, treatment abouid be given, and to this they concentral I have watched them carefully: E has kept accurate records of their pulse, respiration and temperature, and we find that they already these distinct signs of alleft reformation. Johnson and the other young men abow it the most markedly, but this is to be expected of course, as their systems are more responses and less deterforations of orlin and issues renders the action of the treatment more rapid.

"A terrible thing has happened. My worst fears have been confirmed. We have all taken the treat ment and we are all in the same awful predicament.

in the same state to which they had been altered by the treatment. Then, to my horror and amagement. I noticed that the dog and parrot were showing signs of growing constantly younger. The parret was losing its full plumere and was acautring nin-feathers. I burried to the appriments sion. Burke, who had been a start, forld man of sixty had become unrecognizable as a young man of thirty .- alender, freekle faced and red, balred Redfield's alteration was even worse. From the paunchy, gray-whistered hanker he had become transfermed into a sallow-faced young man, and cotthing a glimme of muself in a mirror. I dis ance. Almost too distraught to express my fears I rushed mully to E's office. But instead of the woman I had expected to wed I found a beautiful girl who, outwardly at least, appeared no more than twenty years of age. She, however, did not above my fears. She was overfound at the recovery of her woathful beauty and she was shited at the change which had taken place in monelf. In win I tried to explain to her that if the rejuvenation process continued we would all he recorded as more boys and girls; that already Burke and Red field were afraid to annear before their employees.

"But das, parkaga beware of her method and automical heroidere, argued their up form user granulies. We were, as 1 web hero, in full possession of all the horoidige and experime see hed toxicited during our lives. Regardless of physical appendicates we were manner, experimose, and fully developed mantility, and, also added, unreceitanably the backes and merger, experimose, restributed the backes and merger, and allo experimenmentantic trans and view, could accountifia for more than in backe physically again conditions.

"A FTRR a time I felt that perhaps the way rejuveration might continue, that up one could foretell when it would ensue.

"The only thing to do was to devote all of our energies to finding a means to centrol the action of the Javanum, and I summoned Montross and the others, who had all lasped buckwards for from buto fifteen yuars. I explained my fears and the necessity of finding some means to check or control the action of our discovery.

Thus it we doput he effects of the breakment properties to score of their second, so as particles, and the score of their score and the score particles. The score particle score particle score particles and the score parts, and it is a first score part score particle score parts, and the score parts, and the score parts, and the score parts, and the score parts an

"Realizing that no one would rearganize the banker or the merchant, I suggested that they go to their offsea, put their business in order, and then retifies to their sportments until I had had an opportanity to carry on further tests of formule Meatrees and moral Had werked out.

The new lates, Settling was called with the backgoing that share, permethod, was well in his for handling that share permethod, was well in his for handling that share permethod in the settling of the stars of the settling of the settling

The only redeeming batter of the day was ny scrings to E. We bok for that the we walked higher as indicator would many any fawing we be about the start of the start of the start we want the start of the start of the start We all have that we are part human help anhae schede scare. Over it as a grown share help anhae there, nor tables, offset in the scause of a startes, the prevent as displayed boosts to in, the bound the prevent as displayed boosts to in, the bound the prevent as displayed boosts to in, the bound to interface with the plan at the Crester. The far anrea is a bodying reasons-welled and stroot the start of a bodying reasons-welled and stroot the starts of the start well well and stroot the starts of the start of the start of the start of the starts of the start of the start of the start of the starts of the start of the start of the start of the starts of the start of the start of the start of the starts of the start of the start of the start of the starts of the start of the start of the start of the starts of the start of the we are shown, but it is to regult, graving onetistic presence. The shown its model is a second transformer of the shown is the shown of the shown of Arienzi Thurke and Defield are to follow a shown and the shown of the shown of the shown of the and the shown of the shown of the shown of all best definitions and the shown of th

"Such horror ! I feel that I must go mad. Were it not for E. I would make sway with myzelf. know new what has become of Montroas Jahran and the others. I have found a note from Montross stating that he and Johnson had agreed to make a supreme test, to make a brave effort to avert the horrible fate to which we were doomed. a stronger dose, in a hope, a more chance that, like some poisons, one treatment would offset the other. What happened I know only too well. It is facredible! The thing is unthinkable, but true! The dog, two days ago, was a feeble manny; venterday it day a round white egg appeared in its cage. Today the cape to empty. Nature is being reversed! the damnable treatment of Juwenum, are programine backward. Reward doubt Mentrous and the others have already vanished, have already passed My wife and I, of all the ten, remain as rational human beings Burke and Redfield are gurgling. coolng, helplant bables where wants occurs all of look at my darling wife. No longer is the a wareas. no houser a building girl. She is a slim wisp of femialuity perhaps twolve years of are, but still pessenging all her womanly instincts, all her knowledge of medicine, all the thoughts, the longings, the ambilious that were hers when, seemingly ages 580, we first discussed the question of perpetual

"But bravely, uncomplainingly, she has barne the ordeal which we are searing through. She has never blamed me; she is as patient, as smilling as chourful as over, though she knows that only a few days remain before she, too, will be a helplass infant.

"And the siter borrow of it all, the most burriles part of the whole afford, is that even to the last minute, even though they erose and ary and drood like normal industry. Barrise, Refford and the others peakes the latellatet, the bratist, the sensations of their mature peaks. I can use the and 1 shiver with iterese at the slight, for the appropriate facetories and the start of the start face" CAN scarcely bear to write. Bedfeld, Burke and the others have gone. Yestarday they were there, tiny, red-faced, toothiess, newly-horn babies, and today no trace of their presence remaine. And my wife! As I write, she who was rev balanced Elvira is granning about the floor while L the last of the ten to succumb to the effects of our accursed experiments, alt at the deck, torn with unbearable dread, with indescribhave brought upon my wife and the others. And though I am writing this in the same hand which I used when a full grown man, although I have felt no change in my brain, yet I am but a youth. a more stripling, a beardless boy of perbage a down wars. Were it not far Elvira were it not that until her last memori I must care for her, I would fallow the example of Montrons and Johnson and would hasten my end by taking a double date of Juvenure. But instead I have destroyed everything. Every chemical, every formula, everything to do with the domnable affair has been made shall be left that will be available for others. And face the most terrible fate of all. No one will be left to care for me. I shall be a helpless infant and, must. I feel sure, yo through the retrocessional process to oblivion, for I long ago promised Elvira that I would not take my own life, and I feel sure, I will not be granted the aslace of starving to alghtmarish offair is but a recordion of life at it has been for us; that time has been turned back, wived the perils of infantile mortality nothing can prevent us from retrocerding in the same manuer. an infant. I cannot hroe to successb to atsreation now that my infancy is to be repeated, even though there are no loving hands to care for mt.

"And another strange thing has harmoned. Of late I have been aware of the presence of beings about me. They are invisible, Intangible, but I feel their nearness. Are they the spirits of my back beyond the stage of human form at birth, they have been unable to return to embryonic form, and are still filling the atmosphere about

"These will be my last lines. My heloved wife has more. To the very end she seemed happy. In her baby even, as I tenderly, though elemnity fed her, was the look of contentment; her hely mouth smiled and there was none of the second which contorted the infantile countenances of Burke, Redfield and the others. This morning the faded from sight and vanished, and I feel that somefirst time I have given throught to mattern aside from our own affairs. What I wonder will the air? No doubt there will be investigations: the

police will be salled in ; but only to make the sevetary the greater. What will they think when they find the halv clothes which have served for Eurice Redikid and even for Elvira in turn? Only I will be without the tiny surments. Long before my body is small enough for them I will be unable to dress myself. I will shrink to an infant in the clothes I have on, in the makeshift, cut-down things I am wearing, and grawling from them, a naked infant, I shall probably find them an interesting plaything. Strange, new that my fate is so near at hand, I am so colm, that I can see the humor of the altuation. But my great regret is that after today I will be unable to record my sensations. Even if my mind remains mature my childlish hard I am new a child of eight or ten years in somerance and physical characters, and I am forced to sit upon a pile of books in order to write. Even since this morning I have realized I am dwindling have been forced to add two books to the nile. infant's garments and other things in a drawer beyond my own reach, for otherwise, in my infantile here in my isboratory. I can write no more. My brain is still dear and filled with the throughts of a grown man .- you even the scientific side of very intellect is unchanged. But I find the pen difficult the characters I wish to write. And there is no more to record. I have sought perpetual youth and I have found it; but such a youth! Youth revisible existence, the youth of the pre-natal, inexplicable grom of life, pertone the -

The journal coded in an underipherable scrawl Trembling, shaker, pale with the suspense of what I had read, I sat staring, and was aware for the first time that the vact laboratory was durky with approaching night. Then, with a stiffed cry, I sprang to my feet. An invisible, intengible presence seemed to be man. I could have sween that fingers elutched my clothes. With my scalp ting ing, terrified as I had never been in my life, I fed from the room which, doubits remmon sense and reason, I felt sure was still terornted by the missing ten. And I was even more terrified as another thought finghed across my mind. How did I know that some of the tarrible element James rum, might not have remained in the laboratory? exposed myself to its effects? How could I be positive that I, too, might not find mynelf going backward, doomed evontually to man out like a muffed-out candle? Never again, I determined for a space I knew. I would live in deadly fear of signs of regained youthfulness.

But fate took a head in my plans. That night a disativous free smeat McCracken College, the laboratory with all its contents was utterly destroved, and to this day the true explanation of

the disappearance of Dr. Henderson and the nine others has never been published

And my faars proved groundless. I grew an after reading Dr. Handaraan's amoning journal. I felt sure that all danger of my having been esposed to the perils of perpetual youth were

And, as Dr. Henderson's diary has burned to ashes with the rest of his possessions, and I few that the yould momenty of its contents might grow world ahall know the truth.

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(2)				
(3)				
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# The CHEMICAL MAGNET By Victor Thaddeus



Turning, he stappened back down the sizes has the ininterfer of the vessel, and screetberg be the speckhery, then planetered a the death astern halfing a fury station of the second s

tunning a current soil that played with a pair sup-prior plant phermaneum. I had not planyes of this change rule tunce, they be being a supervised with the series.

### THE CHEMICAL MAGNET



SOW that Schirmanhever is dead, and allow american the world over are seeking to redstoover the secret of the extraordinarry chemical magnet which hrought hum wealth and fame, it is celly fitting

public what hitle I know about his life, his mar-

An unhappy love affair made of the generous enthusiast a cold-blooded scientust, who subordi-

Schiemanhapper tailed little, and if he had any dreams beyond these covering the computed of that reaching out for material prosperity had cast a blight over his life, no one shall ever know of them.

Of all men of genius that I have known, Schirmanbever was the keast secretive about his own ideas. He seerred to harbor no appricious that his lying in the path of accomplishment made him simmight fail. Then again, it may have been that he talked far less freely to others than he did to me. impersonal way, I can have no doubt-I call myself

I foot wet Schirmonheyer when he was firing in City. He was introduced to me in town one day of his eyes-enlisted my interest remediately. He dark thick hair that fell low over his forehead and straoyied down his neck. He wore a shahby lightweight overcost, and looked generally unkempt. Scill, he had a striking personality. One feit his

dutes scrutzing the ocean from inland weigts.

resorts. The beach, relod high with great timbers.

mind. He scened barnhe said little. I grow to -----

It was an automishing beach. It represented the

packing cases, cars, bottles, and other riff-ruff flung disordered appearance. At night, in both directions, a million lights traced the distant cosol line : to the aouthwest, in clear wonther, might be seen the fainter simmer of the Censy Island beardwalk, be-

Here Schirmenbever lived the year round. Dilanidated in appearance, the cabin was quite muz inby at his very decretop on the heach in mexhaustbreezes. He bought his stores each work at a fish-

It seemed had enough to have to tream such a distance for food supplies, but how could be manage too interested in talking to Schirmanhever, and noting the opulpment of that part of the cabin curthus. Did Schirmenhever have a well? I disbe quite undrinkable. But where did he get it? Suddenly I remembered that the same problem must have existed for the old bermit who had been the calua's previous inhabitant. This convinced me that whatever the problem's solution might ha

Shill I was puzzled, especially when on my next

Later, in the cabin. I lern to him.

"Yes, water was old Martin's problem," said Schurmanberger, "He had main reason he had for problem any more "

I.

The last few words he said willingly, and his exasked. "Have you found a rearer place to get it?" The cable was situated among a low ridge of sand-"I don't get it," he snewared. "I make it,"

"Oh"" I excladed, with a laugh at my own fool-

Schirmenhever smiled again. "No," he said, "I don't distill it. But I make it just the same."

He got up to open the churk stove, and throw in was blowing, ratiling the anahes of one of the small windows. Even though you could not see it, you sensed that wast expanse of nearby ocean over which the gale was driving. And I asked:

"You make it out of ocean water?"

"Yes, out of ocean water," he replied.

 $\boldsymbol{H}^{T}$  such within more at the time. Below, if anoty, which longshow or provide convensetions. It also get an joice of the nature of the investtion set of the second from the longitudicy viework, that second allow from the longitudicy viework, that second second second maintenance of the second second second second second maintenance of the second second

One day, drawing back the curtain of his linkerstory, he picked up a beaker, filled it with water, and asked me to drop some table soft into st. When I had dens a, he soft:

"That wain't much trouble, was fit? But what a lot of trouble to get that sait back again-I mean by evaporation. There should be an easier way, should't there?"

I replied I thought there should be. Schirmanhever now placed a clean should be distinguished to be bench. On the paper he put a handful of and that he had picked up outside. With the next he mixed un several unchase of from filters.

"Now," he asked, "do you know any easy way of getting those filmers back again?"

"Well," I said, "If you had a magnet-"

"Exactly?" He predeced one, and draw the diams out of the avaid, acruping them off the may set into a lithe asparate pins. Thus, he tooked at ms. "By my process I can draw solito out of water just as acsity as that mapping draws run fultyer out of the axad. Let's say Pre invested a chemical manuel."

Its ratio to kinestit, and adole, "That's an insensate way of putting  $R_{12}^{-1}$  strength of the first source is used of putting  $R_{12}^{-1}$  strength of the first multi thing. What I have advected its a way of pergence of the strength of the static of the strength of the strength of the static of the strength of the strength of the strength of the static of the strength of the strength of the strength of the static of the strength of the strength of the strength of the static of the strength of

He glucoid at one corner of his laboratory where there also is quasi cloub-like arrangement with pipes loading in and out-weidentity a casing arcenal score corrested appendix. "Want to see it work?" he adod.

I solided. I had noticed that corner of the laboratory before, and half-grassed its significance. But this was the first time Kalirmaniever had offered my information about it. Now he picked up a pulitied of associate, and poured fit into a large funnat that pretraised upwards from the wooden casing. When the water had all workbode into the Interfere to cases around to the frent of the scalars out burned a value. A memory liber a function the hard planed on the flow hence filters one. Solitonics for molecularly down the adia, molecular of the form outpleased places the distribution of the to filters. Theorem fin the metery of the apparature a effect continuous guod staffic is both value, majoritic a chara. When the first output water had storged, the a chara. When the first output distribution of the the distribution of the store of the store of the staffic output distribution of the store of the both of the first output distribution is and stored both the half on first magnetization as interests in the both distribution of this factor flaboration of a whitthere of the store of the first output distribution of the store of the store

"Now," he said, pouring the contents of the little bin into the backet of fresh water, "you see before you the pailful of zen-water again."

The whole precise had taken so short a timeestroity more thus a couple of meanlow-and its operation had been so neiticleas, to seemd reming from the interfor of the module except that little wherpering noise mode by the sattling sait, that I evoid only rands amond.

"It man," answered Schltmanhaver. "The very some sen-water. My apparatula in hero," he tapped the worker assing, "had simply divided it into its two components—the pure water and the dissolved solls."

"And it got it all out in that short time?"

Matronalessor radial at the horizontary in my core. Then in thread, "Two it put at all out, and new, "Then in thread, "Two it put at all out, and the second in the second second second second second in still before may low radiation was different at the second second second second second in still before may low radiation was different in still before may low radiation was different second se

This was the thing this astocradist ins. Ones 1 realised Soltzmethorev's fursalise actually evolueating the status from setting with such race, is second to no the norther works astoching achievement of the sentery. If he stopped at this point, he had only is constructed by a second second second insurant forticas for himself. But Schlitzsaherer second to think to had a second-second second second to the sentery of the second second second second metas and the second second second second second metas and the second second second second second the process the califying perfect thing he had decremed [b.

"There" be world exclaim, gesturing dramstifally towards the lengues of evens, "just host at the immensity of B". A greater storeboses of misembit bapelses. All the metalized at the misses of the earth put bapelses. All this metalized on a con-metalite eloments in it in some shape or farm. Yest Mecker Ocean, covering the greater portion of cor mianel.

### THE CHEMICAL MAGNET

miles deep in places, and into which, somer or later, overthing gets worked! All the metals, even one of the mast precisions—pold. Fax, gold in undrearted of quantifies? Secretly even a trace by analysis, hot form and form when you have an inenhangthile reservoir to cemb it out of. When the whole seems in your mine?"

MORE then now, along this provide, I standard the thermoscience starts. The speece of and withevels, its industry built of filter around his then, its means a survive divergence of the starts of the starts and starting built of the starts of the starts industry of the starts of the starts of the starts industry of the starts of the starts of the starts industry of the starts of the start of the starts of the starts of the starts of the start of the starts of the industry of the starts of the start of the starts of the industry of the starts of the start of the starts of the industry of the starts of the start of the starts of the industry of the starts of the starts of the starts of the industry of the starts of the starts of the starts of the industry of the starts of the starts of the starts of the industry of the starts of the starts of the starts of the industry of the starts of the starts of the starts of the industry of the starts of the starts of the starts of the industry of the starts of the starts of the starts of the industry of the starts of the starts of the starts of the industry of the starts of the starts of the starts of the industry of the starts of the starts of the starts of the industry of the starts of the starts of the starts of the industry of the starts of the starts of the starts of the industry of the starts of the starts of the starts of the industry of the starts of the starts of the starts of the industry of the starts of the starts of the starts of the industry of the starts of the starts of the starts of the industry of the starts of the starts of the starts of the industry of the starts of the starts of the starts of the starts of the industry of the starts of the starts of the starts of the starts of the industry of the starts of the start

It occurstly to me constraints plot this story of the second start is not stored by the second start is the second start back is consistent as the second start is second start is the second start is the second start is second start is the second start is the second start is second start is second start is the second start is second start is set in the second start is second start is second start is set in the second start is second as the second start is set in the second start is second as the second start is set in the second start is second as the second start is set in the second start is second as the second start is set in the second start is second as the second start is set in the second start is second as the second start is set in the second start is set in the second start is second as the second start is set in the second start is set in the second start is second as the second start is set in the second start is set in the second start is second as the second start is set in the second start is set in the second start is second start is set in the second start is second start is second start is set in the second start is set in th heven's overstrained mind practiced a groinsque self-deception. At last, enriceity getting the better of all sense of decease, I took advantage of a moment when he had gene down to the occan for water, to alip into the laboratory and examine the machine.

Buring at the splinker, I realised I help's beyond rule. Early the splitker was empty, or within it was asfuly sereousled all the vital mochadion of Solvin-malver's process. All the splitder expressing had no spectrage through which the second institute of the top which weldowity protected just and a characterissic paint as it was in search of Beckless of the rule waving on the splitker, I Beckless of the rule waving second second second Beckless of the rule waving the isosator.

My hard was grapped in mid-air-dishirmanhaver stood beside me. He had seen me through the window and returned quietty. Instead of the sing angry, to I crpected, he brunked axis my confailen and underta with the more versativ.

"You wouldn't have discovered anything, and you might have killed yourself."

The shows the softwar until T had let the hiskness shows the software scattering had been softwared as a sequence of the software software

"Yes were surgiced lexents you are robling compliated," how do. "You expect the starliking and the initiate, Way weren't there are the start of the start of the start of the start between the start of the start of the start the outside, but you'd be surgicial if you have that density examplies and the start of the start what density examplies the start of the start the outside, but you'd be surgicial to be start the start of the start of the start of the start of the instruct of an extended to work the best and entry to a person of ideas there who may assure the start of the start of the start of the start start of an extended to work as a feature assured to save. It should be start of the start start of a start of the start of the start of the start start of the start of wire serving correct as a million-tet strend word areas to popole who first know expring the strength of the strength of the strength of possible strength of a strength of the strength of possible strength of the strength of the strength strength of the line. And there shows all the strength of the st

This lips truthind to be smithed. It was not seen out last this the product—where a low work nearly, and the second set of the second s

cm 21 has lived here for air years. Has he actively according to a synthege during this period? I used a regular any strengther that the second of the second se

Then one day the impossible happened. When I arrived at the cabin, Schirmanhover told me ha had inherited a fortune. A rith unde-on his father's side Schirmanhever was of German descent, on his mother's Irish-had just died, and news without excitement. I confess I would have lawyer, puffing from the exertion of the long trudge, and with his shoes full of sand, supplied an incontrovertible proof. I thought than that Schirmanhever's troubles were over-that the loss of the cable would be of no immortance to him, as laboratory in a far more convenient location. But Schirmanhever stared on in the cabin, apparently he had started them. Perhaps the fact that good fortune had come his way paly when he could almust do without it, made him the more bitter. His ing at the sand duras, held the same personal antegration. But are day when I visited him, he searced calmer than ever I had seen him before. after me in a peculiar tone that seemed to carry with it, a strange presentiment, "Well, good-bye "

If will the last time I was to use bediminations by the second second second second second second down to workness. The selection of a particular down to workness while of the fragments of a particular second second second second second were abouting the line of a read that would part the detailing them the size of the data. Watching I concluding the size of a second sec

Mucrositie all up respirate about the motections of all intermediates that define the definition of the second second second and accentific journals for some second second second of the respective momentum second second and the respective momentum second second accentification of the second second second accentification of the second second

During this period of vibrace I had in my keeping son little thing to give reality to the 'vanished Schirmanhaver and his spheridi aspirations. It was a attack array of paper, the baginning of a letter I had found in the ass grains on that marring when the others was being form down. On it were the works:

"Dear Anne: At last, after all these years, I have. . . ."

The writing was Schirmanbryer's, and he had evidently been unable to go any further, or class had discarded and thrown away this first attempt at a letter to the women who had rejected his love.

It is a shear four yours after failurnaisheers, disperances that is a toolkery for out has more on very row (is in a data of the shear of the shear of every row (is in a data of the shear of the shear front are of the sweapeers. The shear of the shear front are of the sweapeers is been as the front are of the sweapeers is been as the front are of the sweapeers is been as the front are of the sweapeers is been as the front are of the sweapeers is been as the front are of the sweapeers is been as the sweapeers and the shear of the sweapeers is the sweap production of the sweapeers is been as the sweapeers and the sweapeers is been as the front are of the sweapeers is been as the sweapeers front at way of the same and the sweapeers been as the sweapeers of the sweapeers of the sweapeers with it way of the same as the sweapeers been as the sweapeers of the sweapeer

The events of the next few years are history, so I shall pass over them briefly. We all remember Schirmanbever's first great infustrial triuses) his breaking up of the potash menopoly, which after how Schirmanhover's American plants supplied the foreign product imported from the great Strangfurt deposits; his development of those strange and stupendous fleating halks, known as all that nation's achievements in building up the situted in the whole economic life of the world; the sward to Schirmanhever of the Notel Prize and his rejection of it; the shortive attempt of the erty everywhere as the hitherto untouched reune of three hundred and fifteen million eshie soften bounds to be explained on a gigantic scale. until he was virtually dictator of world affairs. We were told of the many deaths resulting from attenued to discover the secret of his chemical mag-Marnet Fleat, inspered with by exgineers seeking up in dock at Heboken, killing a hundred men and

All disk to go to home here it is to be a the second seco mutter, "No, I'm not quite ready yee--i must wait a little lenger!" Then one day I received that memcable briggram requesting me to come immediately to San Francesco. And a work litter I was du Rehrmanhower's yacht with him bound for that kerely little jaland in the Facilie which fath had detrend cally one of an should seve have a live.

Arrivel as the bilar, an expetible part of troptical states of the state of the state of the states of the label in the skew or whith leads the curtaining its a orall rect, where the start danafered leafst not of the yack are discussed, the coupling hereit real method drinks, was as the dress hill on the backst with provisions, had been hill on the states of the part of the states of the states of likelihood and the states of the states of the islandstate. As shown of the states of the states likelihood the states of the states of the states likelihood the states of the states of the states of likelihood the states of the states of the states of the likelihood the states of the states of the states of likelihood the states of the states of the states of the like like of the states of the states of the states of the likelihood the states of the states of the states of the like like of the states of the states of the states of the like like of the states of the states of the states of the like like of the states of the states of the states of the like like of the states of the states of the states of the like like of the states of the states of the states of the states of the like like of the states of the states of the states of the states of the like like of the states of the state

This is had cone is thin remain eyes to put the lowering time in scenes system in section of relations, which were his genuine had not yet or end the section of the sectement of the second section of the secterior due to relate here considered at his powerdering the critical heat is considered at the form in the "relating laboratory. At the logistic lines he was now alcosed to attempt. One some when he per a chep is may while we can show this three the logistic lines are also also when he per a chep is may while we can show the time that laboratory particular. It was about this time that laboratory particular, particution of the second se

After the they receipticating to part assumption them these the weather of the first characterial marged methods and the second second second second them the second second second second second them the second sec

He broks off. At the time I did not grasp that free meaning of what he said, I only had a vaguas hot distinct come of danger. Perhaps it was the warmth of the tropic night, and Schirmanhavere's glowing eyes close to mins, the black outlines againot the startik sky of these tail uslam reminiscent of days when the whole of the earth was a vast focund jungle.

"Won't there be a risk in such experiments?" I saked. "If such chemicals do exist, and you collect them in any quantity, maps? they have a frightful effect on the human body?"

"Very likely," answered Schrmanhever, but the excitement in his voice proved how little hs cared. He added, "There's always a risk in the Unknown,"

From now on he grew pale with a dreadful paltion. He lost his appoits. He had trembing fits that made no face he had caught some tropical fever. I are his encought some tropical fever. I are his encought and the some tropical before him as thought to peak hask as an unificable hast. He paced the white beach, muttering to himself, and exclusion. One days he devoted is

"Two found it at mat—the,Berert of Life! Two got the thing that first brought Life into existence! Two got it there, out there" He polated to the floating laboratory. "That much of Ut?" He capped his hands. "And before Fin through FII how this much of Ut?" He three out his arms in a wild posture that seemed to embrase the entire horizon.

A thrill of herewshick through no. Suddenly T realized the trained of why Schumanherew was wasting away-centembered my casail suggestion of the night, frequents next morning. Something deadlier than poison was devozing him. I acknot his arms, tried to prevent him from going out to his arms, tried to prevent him from going out to his arms, tried be was mad, whereyr mad.

THE next week was a highlmare. Schlermanhever, with the curating of cashens, aleyt on the beat new, feating 1 would obtain him if by returned to the bunglike. But he cases on above stealably and in the measinght 1 are him several times paing if which schola buttering along in a gause were like a dranken man. At has I could stand it to conduct L privile, term at that I could stand it to conduct L privile, term at hat for any own life, to conduct L privile, term at hat of any own life, what he was doing there, and bring him foreibly hack to above.

I set out one evening in the dusk. As I put foot on the deck of the boat, Schirmanhevur emerged from a hatchway. He was mapping, his even were multical, spit at sight of mo its source is guilt have of its parts. With a conversion experiment is pare 14 we obtained the spit of the spit of the spit of the residual law was dynam. Territopic the same of the dense of the spit on the its instruction of the same of the spit of th

An encountered task match as the first of the set of t

THE END



# **HICKS' INVENTIONS** with a KICK By Henry Hugh Simmons The Automatic Apartment

Author of "Hicks' Self-Servint Dipint Table"



more status of his 25s. South : more was by the logs, while an

with him, talking-or rather he was

He's put that , that's sure. When

tarted to back, and we were bombarded with every

HERE is the second series of "Bloks' Inventions

Here I was walking Hicks' side and listening even offering him one of

The reason I came to ing a thing objectively of that group that was with as the night of this1. . er. . milestmuts little irrenties with the Azematic Diaper Table can do as. They arrangly washed their hands of that investion and of me. Tet the sidistig table subleng pat on the market new. We have a compacy organized and Mappen with any investions whan it is being tried of the Table and the automethic weak like beening the state of the second second second second on the second se

So Hicks' talk want as, and by the time we hall arrived at his hence. It had presented him is straighten everything out for him with he relative and fritois and to permade them all to earn and immed his area invention, theoryh 1 had not as yet idea of Hicks' powers of contensions. But here we were at his huma, a three-sterp inflar of marge rooms. We offinded the status and presently we found ensuring documents, documents all status in the status of the status of the status of found ensuring the observation in this and is a status of the status of the status of the status of the found ensuring the status of the

"Looks like an ordinary living room, ah?" asked Hinks.

"Like a more than ordinarily pleasant one, I ahould say," I replied, allowing myself to ally into one of the november overstuffed chains.

"And yet, O'Keefe, this room is as unlike an ordinary room at a hen's egg is unlike a golf hell," said Hicks. "This is room Number One in my Fully Automstic Apartment."

"And how does this room Number One in your Fully Automatic Agastmant," I said in jocular ton, "differ frem any other? Survey you are not trying to kid me into believing that there is anything unusual about 10<sup>4</sup>

"No. 1 as not typing to kide you," Hicks register with fright giving. "I screetly take a first when the strength of the strength of the strength of the in the iteramentance that this room is noticitating and coveraging, a discrementance. Resolution that the strength of the strength of the strength of the thread is a first highly impact with iteracy. "With the strength strength of the strength of the thirth of path strength of the strength of the thirth of path strength of the strength of the thirth of path strength of the strength of the strength interversities of it. "Strength of the strength persistentias. The I will now hit notice they not origin," and stringth, research one of the batteries

I. MALTER up turpelse what he chair in which it and, together will is here notice, now rule and the table upper which it had prior dependent on plattering the state of the state of the state of the direction, better a north noticell years which direction, better a north noticell years which ensure the state of the state of the state prime topod this one. At the end of the norm a track of the state state of the state accepte while long alteriade. This resurges or we define band as much of its owny, bondies considerable interpretent of the second second second second proceeded sales (the well in a strategilt line act, as represented as the segment of the bang research and elevery in this second wells in a strategilt line act, wells allow the line wells in the strategilt line act, well allow the line wells in the strategilt line act, well allow the line wells in the strategilt line act, wells allow the line wells in the strategilt line act in the strategilt line act and the strategilt line act strategilt line act and the strategilt line act and strategilt line act and the strategilt line act and strategilt line act allow the strategilt line act and strategilt line act allow the strategilt line act and strategilt line act allow the strategilt line act and strategilt line act allow the strategilt line act and strategilt line act allow the strategilt line act and strategilt line act allow the strategilt line act and strategilt line act allow the strategilt line act and strategilt line act allow the strategilt line act and strategilt l

"How does it strike you, old man?" The voice of the inventor nosmed to come from afar, so dazed was L.

Well, 1914 be duched," wave all I measured to strikters a I words the senset of TR prefereband. And again the shakalensity cover, superframes-mindel and the strike strike and the strike strike strike of the strike strike and accentical its work and every fields in the strike strike strike strike strike strike the strike mettered, not with a tight hold had strong the framiliaries, and these pieces which had had strong framiliaries, and these pieces which had had strong strike str

The investor struck a match and list a cigarette while I wiped the perspiration off my face. "Well?" be insulred coronally, between two puffs of his cigarette.

"Calm yourself, my boy," planidly stated Risks, Carnet Sweeper and the Self-Arranging Furniture just one fiature of my Automatic Apertment. iron plates are attached low down under the fursirows under the flooring. When I push the butten, the first thing that happens is that one row after another of the electro congnetic poles becomes magnatized and then demognetized, thus moving the furniture slong. The sortion sweeper is furnished with newer of its own, but size kept true to its reith magnetic field. But I will now show you come things which are really remarkable. Let us are cood to the kitchen." And thithar he led the way, while I followed, trying to brace myself for the next surprise. We entered the kitches, which was sparsous and beautifully arranged, with chearful colocy decorating the walls and colling

I looked around me. Everything was there that though be found in a well appointed sitehen. The slick was of percelain, but I could see at snoe that there was more to it than just a sirit. My quetioning giance was interrupted by Hicks' watchful over.

"An Automatic Dish-Washing Device, of course," the explained. "But more than that: an Automatic Dish Conveyers. Anothing set down on this endless helt is immediately conveyed into the dish wonker, washed, dried and carried out, and depasifed at the competite end,"

The placed sourced caps, narrow and forces and a couple of large pass on which leads line as with the manufacture of the start was a pain at a rangel place buryers is not provide the start of the start of the start. A rand are the correspond proton constant of the start. A rand are the correspond proton to region of the start. A rand with the diffusion disappeared, water, which continued for fully a minute. Butarray of disbest resupported on the other side of the array of disbest resupport on the other side of the proton of the start. I also the start of these resupport of the start of the star

"I did not so far provide anything to distribute the dishes on the shell," half applopetically said the inventor. "But for the present this will have to do,"

"But, Hicks-" I said.

sew Tells, let us pose as to sensitiving interesting, and in a kone of ran local with the principal sensitivity is profess any principal sensitivity of the sensitity of the sensitivity of the sensitit

"Bat, Hicks-" I said, in a tone of awa,

We have at the setup, for heaters, 'and "the setup is the setup is the setup is the "the setup is the setup is the setup is the The other densities of the setup is and along the setup is the setup is the setup is the end of the setup is the setup is the setup is the end of the setup is the setup is the setup is the end of the setup is the setup is the setup is the end of the setup is the setup is the setup is the end of the setup is the likely due to be were it is the setup is the setup is the likely due to be used is the sheet is the setup is the likely due to be used is the sheet is the setup is the likely due to be used is the sheet is the setup is the likely due to be used is the sheet is the setup is the likely due to be used is the sheet is the setup is the likely due to be used is the sheet is the setup is the likely due to be used is the sheet is the setup is the setup is the likely due to be used is the setup is the setup is the setup is the likely due to be used is the setup is the setup is the setup is the likely due to be used is the setup is While I was trying to formulate to my mind an apology for my rudeness in the morning, Hicks went on:

"Now, following out this idea, what would be the way to clean the floor? What, O'Keefe, would be the way?

"Well, what would be more natural than to have the floor also perforated, but instead of wathing it, as it ware, by air, to wash it with water?" quarted Hirks, answering his own quastion. I had to admit that he had me there. "Well, anyway," you will note something which prohably escaped is also full of small perforations worked out in a below it there is a flat tank which can at will be filled with water and emptied. If I press this but ton the water will rise. Step on one of these math and watch." Here he pointed out one of three or rooms, shout an inch or so high. We steroed up a thousand tiny fountains, each one about a ball inch high until the whole floor was solvroorged maler a greater tash of water "We do not used to nuch any batton again to make the water go disappearing, carrying with it dirt, dust, and discase serms. The floor is now," he went on in a tone of a lecturer explaining some wonder of nature, "still wet, but by pushing this button I rerunning down the drain, which can accommodate a cubic foot of water a second, just as also the sonply pipe is unusually large, permitting a flow of a cubic fost every two seconds under the normal

I Josked and any, I was feeling a little feeloo, and I remember wondering if I had not had some of anomaboly's homelever this mentioner, for I was having a queer feeling in my head. The separatio desting hadness was too much for an ordinary man. I took Heists so.

"I have some other features here which I varied to show yoy," and if Hick, "that it is perhaps just to well that you see taking my least that you samehist. To show sees a roady, my least, I that have not show when I till you that I have sameblar out of the collarsy, seasching usings and searching for which this world will be gratiful in searching for which this world will be gratiful in a distribution of here and the seasching using and distribution of here and the seasching using and of homoscopic you have how the seasching will you arrange this thing for me with my-ort, forcano-channels"

That was a uneless question. In the first place, I had already promised him, and headen, after whiat I had need I would have arranged for the King of Icidiani to come and see it. Why, it was wonderful, marrielase, hig-not himk of such as files. And the way he had it figured out-presture per square filth-would first per second-prox know that kind of thing always gets me. I have a lat of respect for mathematics and engineering, though I know nothing about them. I tool him I would immediately go and see these friends.

T was the following Taussing which they seem all magnetized is that is hade set, we resided when Smith, the first over 1 trick durawas not oblight bases at the rest was we submittained the T base is the rest of the rest at the rest of the rest at the rest of the rest

"This is something still now to you, my down of World". Hills was anylong. "This is the Antomatic these Balaring Stand. My pushing this has no start the start of the ablency" starting, except that this is about a stortheory that and the start of the start of the ablency is able to start this is ablent a will be kind an acquire to place years fast upon this will be kind and the the the start the start of the start of the start of the start of the start and the start of the start of the start of the start is bad the fort sources of nontrain the start of the start of the start of the and then the startic warks is start of the start of the ablence start of the start of the start of the start and the start of the start of the start of the start precess without not pain start of the start of the start and the start of the start of the start of the start of the species without not pain start of the species without not pain start of the start

We worked and we are a local file arm, leange to be local end, so that the local file arm of the protect built of the local file arm of the local protect built for any builting it fores. Not, been a seen branch protection of the local field in the local file are also and the local field in a set of sense that we show the local field the protection of the local field in the local field in a set of sense transfer in a sense we will be protection with the local field in the local field of the local field in the local field in the local protection of the local field in the local protection of the local field in the local field in the local protection of the local field in the field in the local field in the local field in the field in the local field in the local field in the field in the local field in the local field in the field in the local field in the local field in the field in the local field in the local field in the model of the local field in the local field in

"How ever do those brushes get any blacking?" mixed the practical Mrs. Smith.

"A very natural equation, Mashan, and area which as very partiment," regarded the investor. "The solution is an simple as it is a efficient. To passing cot, each break much pass over a well upox which blocking is distributed by another rall in very most he same way their to his is distributed in a pointing mess. So that part of the investor," and is modely, "many barrow be trened my orange."

"I think it's marvelous," Mrs. Smith replied.

"To think of all these things that yos have shown us this marring. Yos call this an investica---why it's domens of inventions. Oh, wouldn't I lave to Eve in this spartment!" she soul.

<sup>10</sup>Wild, how," interpret leving, "do yes think, Hisks, hat all that muchaney is guing to work? Hisks, hat all that muchaney is guing to work? Indicates Predention to go work? That thing there are it don't hit po for three winness. But comting with the post of three winness. But comting where they are it three seconds. Supposing three was a far, then when T is an ulli withing of these was a far, then when T is an ulli withing to nee the roat of pour spartment, but off-hout this stifters me as any emotion to be resident."

Propie who must take the cherr out of life are an abumination to me. I would have liked to have told Irvine a. Graidh't the fellow see how wasderful it all wat? But I could have saved myself the worr, for Hids had the namewer ready.

convergence inclusion of a finite set reality, "When I shall blue the arms would use it leads to the set initiality, what I meant were of correr, onlines it initiality, what I meant were of correr, onlines it initiality, what I meant were of correr, onlines it turn as detection the structure blues, initial as you turn as detection the structure blues, initial as you turn as detection the structure blues have neuronal or. Three minutes is marger the lines resulted on the structure is installed but reactive structure due a specific during a line mater."

[INVERS based a little shaked in this structure regramments, " may see with take shower" and array measurement of the sequence of the sequenc

In 6.40, and then queues a large bar entroping the context products of the large bar and the second product second products of the large bar and the second product second which is could fully result. It is a light density is present the large bar and the large bar and the large bar present second products of the large bar and the large bar and the large bar and the large bar bar and the large bar and the

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ing. "The colling, I believe, is doing its work. Now let us try the floor. I push this switch, and what hermany?"

Therefore there was a small of different line. For  $M_{\rm eff}$  , a can set the bigs specificity at wars,  $M_{\rm eff}$  , and  $M_{\rm eff}$  , the set of the set of the set  $M_{\rm eff}$  , and  $M_{\rm eff}$  ,  $M_{\rm eff}$  , and  $M_{\rm eff}$  , and  $M_{\rm eff}$  ,  $M_{\rm eff}$  , and  $M_{\rm eff}$  , and  $M_{\rm eff}$  ,  $M_{\rm eff}$  , and  $M_{\rm eff}$  , and  $M_{\rm eff}$  ,  $M_{\rm eff}$  , and  $M_{\rm eff}$  , and  $M_{\rm eff}$  ,  $M_{\rm eff}$  , and  $M_{\rm eff}$  , and  $M_{\rm eff}$  ,  $M_{\rm eff}$  , and  $M_{\rm eff}$  , and  $M_{\rm eff}$  ,  $M_{\rm eff}$  , and  $M_{\rm eff}$  , and  $M_{\rm eff}$  ,  $M_{\rm eff}$  , and  $M_{\rm eff}$  , and  $M_{\rm eff}$  ,  $M_{\rm eff}$  , and  $M_{\rm eff}$  , and  $M_{\rm eff}$  ,  $M_{\rm eff}$  , and  $M_{\rm eff}$  , and  $M_{\rm eff}$  ,  $M_{\rm eff}$  , and  $M_{\rm eff}$  , and  $M_{\rm eff}$  ,  $M_{\rm eff}$  , and  $M_{\rm eff}$  , and  $M_{\rm eff}$  ,  $M_{\rm eff}$  , and  $M_{\rm eff}$  , and  $M_{\rm eff}$  ,  $M_{\rm eff}$  , and  $M_{\rm eff}$  , and  $M_{\rm eff}$  ,  $M_{\rm eff}$  , and  $M_{\rm eff}$  , and  $M_{\rm eff}$  ,  $M_{\rm eff}$  , and  $M_{\rm eff}$  , and M\_{\rm eff} , a

"What is the boot, "What in the boot is the matter?" reared Irvine, who was the first to recover his senses. "What is the matter, Hicks? Are you trying to drown us?" "I accidentally restand the sensemimental excites.

"I accountility publied the experimental reston, and it refused to kitk off. It doesn't matter, Pil. . . . " stattered Hirks,

"What the dould do you mean, doesn't matter?" bellowed Smith "Den't you see that you have completely ruined all our dothes? And it doesn't matter! Now of all the ...."

"I didn't mean it that way, Smith," wailed Hicks. "I'll turn on the warm air and we will all be dry in a minute." With fewerish hands be fingered the avitableard.

We had all been reservering, and as we reserver and everyholdy lealed at binself, denoted from brad to foot, three was a feeling in the air as of a does thunderstrems beweig and ready to break. Simulting would have to happen to divert thiss people from delling on their twulke, I thought, and as I thought, it did. Hitch had found the buttos, and there was a field.

All at ones, I heard a high white, and instance hear was an explosive part, and the air work white. Just before I, there in egraph, a low why it was a white the second second second second second second second term of the second second second second second term of the second second second second second was written from our hand second second second was written, from our hand second second second second second. It was an format for a second second second second. It was an format that I could not hand second second. It was an format that I could not hand short by our distribution of the second second second second second. It was an format that I could not hand short by an distribution of the second second second second second. It was an format that I could not hand short by an distribution of the second s

"He, kaboo! He, kaboo! Hidal" organization Smith between sparms, "what, kaboo! at he bet, kaboo! are you doing; kaboo, kaboo! "arm the bloming, kaboo! thing off: L kaboo! kaboo! "born the bloming, and outil not go on. "I am ha-ha-ha, knohool turning it off; I will turn it off, I have turned it off, knohool' knohool" oughed the investor as well as he could, between merges. "There will be no more of it, knohool?"

A FTER a few minutes the dust settled and the habel of meenes ceased. Then a flood of alogenese brokes locas. Everyloty was tabling Hilds what he throught of him. In his missay, the unhappy inventor turned and started to fool with his existableand.

"Lead the way out, Hicks, let us go and never non you amin" reared Irvine.

"Dismiss us instantly, siy," sternly ordered the professor, who had managed to regain as much of his dignity as was possible with a face like a miller and clothes that looked as if they had been through the four mill.

"The back way is the quickest way out," said the inventor, carer to got rid of his cormany. He lowing. But it was looked from the outside. "I heen wondering how he kept them apart. I was to learn later. The shoe shinler mechine tran door the professor approached with dignified sten. Just landing on his back, with his neck on the fostweet of the shoe shining machine. I gasped. Instanth halding down his hoad. Before our herrided game As the stuff bristles dof their work, his shrick of desteration could be heard a mile. The urity Miss clamp. I tried, but it was no use. The roughland brushes had by this time finished, and new aureared the polishing outfit. Immediately the professor's which the brunkes started to rub down to an ontical pelish. Even with the full realization of the elitation I could not refrom from admision the brushes worked. Judging things objectively is a habit with me, you know. In a few seconds the professor's nose abare like a super-polyhed black taking on a wunderful ahine. Ninety-free strokes a doe hundred and ninety fun. By George the high it. I remembered. These wave just come ideas that flashed throateh my mind-farmer how the human mind will work in close situations.

The professor's struggies helped as little as his streams. "Push down your release entitle, you didty," rated livrins. I could have kicked snyelf, Why didn't I at least think of that simple thing?" But Hicks stord there, push as chease, accept for the large smeare of fuller's earth on his face, fam-(Gauliand on sace hi2).

# The SHADOW on the SPARK - By Edward S. Sears -



..... As the destay using the blood as hereester Granat's the hundblock, with a math mercennet, propad a basafts of cost, herees to be an an and the second of the second



HEN Dr. Mittan Jurris descended the gang plank of the liter Homeric, on his return from the Internetic Congruss at Vienna, in the year 1995, he Congruss at Visnus, in the year lwos, no fully expected to find his most intimate friend. Jim Craightaid, at the pler to meet him. He looked about him, somewhat disappointed, then

stepped to buy a paper before halling a taxi.

He was busy with the notes he had made at the Congress, which he was pledged to read shortly tion. Hence, it was with more than ordinary interest that he looked at the glaring headlines of the those employed by the European seess.

Ont glance at the first page of the newspaper informed him why Jim Craighead had not met him ered at Vienna. Dismay, herror and unbelief strove would not permit such a crime. "Craighted inquail Derfunctory" read the streamer. "Well known train. The platform was wet-the train was already in motion-he missed his forting, one leg-

The incuest had begun that very day. Very Jarvis was reading want to press. It was after two and the dorire immediately resolved to hear what

asked Mr. Bailey, a haw-

"And with all these presentions, the abook of the operation killed Mr. Creighead?"

"That w" be all for today," said Mr. Batley

"Tomarrow, I will want to ask you a few questions,"

to leaving the court room, while the large crowd which had gathered out of curiosity to hear how

"What do you make of it Fulton !" he questioned

"So far, we have learned nothing, Jarvis," said Dr. Fulton, slowly, "I knew how close you and Craighead were. You must feel terribly shocked. It seems clear that the operation killed him. There is no ground for suspicion, but we must make some kind of fight, hefere we pay a \$300,000 policy which has been in force only six months. He left a large

Dr. Jarvis went home in a days, known study immune. He had been provarbially tough, hubbling over with sitality. "How had he last that ireres. day towther-the day before he had aniled for Europe. They were playing tennis at the country

Dr. Jarvis, trying dasperately to prevent his game, swing down visionsly on a high bounding like a volley, impossible to handle. But Jim Craigthe ball, like a shot from a gus, sped down the side

H ERE is a morder detective story of a different type, which we unservely recommend in you. It appear -----

"Dunn," he oright of fifty and I'm your junior by ten years, But "Dor," answered Crain-

\$100.000, the examiner

tern was necessary as soon as Mr. Craighead

"That is correct," replied the doctor

"Ware all the usual procustions takes ?"

"Oh, yes," said Dortor Lawson, "I attended to that mysaif. The wourd was perfectly sterilized,

"What do you mean by that?" asked Mr. Balley "Lettie offers are used to fasten the safe of the severed blood vessels. Afterward, they are replaced nally being absorbed as healing programs," replied a dreas risks in my condition. I can run a mile at a good pace and do any stunts in the gym that a

the same are, had just run up to the slab heave in aload of him in a long arrin, though he didn't even

DOCTOR JAEVIS recalled that picture non-the his adopted son's head, his arm foodly on his should

dor and the possible area shout the givit's smaller. The gridben tory follows, atheogen which the digits have, netthere gridben nor yelding, atheogen with a torsh of automa wheats; the was addicately featured, with an expresative mosth, instituted to be serious. Now, with those two mens, approached harper and menling, abser revealed was registering and the serious. Now, with those two mens, approached harper and menling, abser revealed and the shadelened and souther. The givit, athrough thill, accend dimutive being theme two.

If the bountful girt and the handsome yorth somed well and full of vitality, Jim Craighned was almost inselect in hit default heartmose. Rous was the orthoards ese of Craighned's state who had field when he was a faw years old. The bond hetering these two was very strengthed's state and state of the strength of the state of the state activities the horzent Craighned had waged a lowing girth. The bay could not be hardened.

At college be was all for humaniting, dusting, dusting, high, but these achieved in humanitaseemed in how back left out of his nature. Speed to the second as Conjecture hashed and environment. A set as Conjecture hashed second seco

Craighead was inclined to discourage the intrimary has any revealing between the pair but whom Reas hapen to grind samely at basis I have to the bay hatched, he fequa is consider the girl lens a likeliho that the second second second second and buy how of her fishery. But is he was well obsorted, a bay in all her actions, so that Jim soon grees as found of the sais Ross. This, then, we bicrisely which had here breizen up by a trangely so breaking. In Arriver multi set to be hasttransition.

Like all healthy men-man who have never folt an ache or a pain, Jim was viriually a behy when assus slight out or other wound earme in a tentils or other game. Once Dector Jarvis had found him taking morphine. Jim had said, withir shamofacedly:

"It's not a habit, Mill, but I just can't stand pain. I've never had much I goess that's the reason."

This last day he had seen Graigbead, the recollection of which came to the doctor's mind over and over again, the young man had taken the front sast with Toreic, while Jim and Doctor Jorvis nat in the near.

"Jim, ald man, Fil he missing you," said the doctor, as they left him at his spectrum.

"We'll be waiting at the pier when you come back, Milt, twice as famous as you are now," was Jim's retty.

Thit was like him. He had helped Doctor Jarvis Thit was like him. He had helped Doctor Jarvis through his acity difficulties and asthadas, encouraging him and reploting in his uncoexises. He was foster father and pal in one. So Dector Jarvis was very impattent as his brain refused to accept the fast that Jim Graighead was dead. In no way could be recould: his stury's friends, would bell him. His analysis was scatching. Nothwould bell him. His analysis was scatching. Nothent the start of the start of the start of the start scatching in a start of the start of the start of the wave construction of him. But for how years but to wave construction of him. But for how years but to from a starting. This thread three him to the room of Impector Convent is budgettered: They were good Friends, for the detern has dyna gives must be started.

"Inspector," began Dr. Jarvis, "what do you know of this Creighted inquest?"

"Well, Doc," replied the inspector, settling his huge frame back in a capacious chair, as he wringrime involved. This is such a clear case of a man dying from the shock of an operation that the police have no more interest in it than the mobile. Of course Credehead was a big man. I knew him well myself. He used to ston here to nick me up some times, so I get to know what an impatient shap he was. He told me that he'd sprint for a car, whenever he had to ride on a street ear, like any kid of seventeen. The insurance contenty would grab at anything suspicious but nothing has come up. We all know the story. Craighead got too cocks in his application shilling and was run over. It was mucky and rainy, so what followed was almost inexitable. Tough on the insurance companies, though Doe Lawson seems positive that it was the shock of

"That is just why I den't feel satisfied," sold Dr. Jarvie. "Lawsen is an old practitioner, a good sugood, kut were part to make up his mind what killed his patient. The more you night show him the probability of some other cause, the more etabloarily be workh believe in his own theory."

"There are guite a few of us like that, Dec," stuffed the impector. "But, you knew the whole family. In there argues who could profit by Craigbead's death?"

"Well, there is Ress. Thur's adopted are and his mephore. But he had all the manage he machin-he was in the bankness with Jim. Then, face, Jim made to scrent of the fart that his fortune was to go to Ress. So I think that Root is out of the question, for they ware advorted to each other. Roos is the idealistic type-he would he more aget to give mergy away than try to get it by market."

"Who else is there i" queried the inspector, indifferently, for he could see no mystery in Oralphead's death.

"Then," continued the doctor, "there is the girl to whom Ross is engaged, a perfectly inneers creature who simply adored Jin-he treated her as if she were already his daughter.indow. She is an orphan, Teesle Prettyma,"

"Tessie Prettyman?" emplofed Inspector Oraven, "Geed Lord, Dortor Jarvis, do you know who Tessie Prettymen is?"

"No, she has no family that we know of, but she terms to be a very refined and charming little lade "

## THE SHADOW ON THE SPARK

constraints "Into the imposent, however, from the Weahs," Constraints in the program of the last tens withing Pigg. Bill: Biowy down in the Yomapigg: Bill: biology and the program of the protein straints and the program of the protein straints and the probability of the protein during the prosent during the protein during the protein during the protein during the prosent during the protein during the prosent during the pro during the produring

This revelation grated on Dr. Jarvis. He did not believe for a moment that this assoct looking girl had any criminal teaderactics or was capable of playing such a dual rôle as the affismed of Raw Graigbead and the "meetift" of a noterious criminal-

"Expector," he said finally, "have you time to go up to the hospital with me? The records or the head surve might tell us something."

"Time, "inter," yourd Craver, "this is official business now. What we have to learn is how Piggy Bill's sweath happens to be engaged to marry Jim Ceniphead's son. First thing, we'll go to the hosgital, then we'll tak with this young man who seems to be instauted with Testis."

Is the inspector's hip car it was a short trip to the basylei. The recents half them rothing new. It was for, Lawandw case, so that whitever be mithle have to any work bo developed at the inspect. But for the fact, and/endy avayled, that Pinzy Bill was assessive in this needs of events, the inspector would have remained sasted in hit hig chair, asrenely puffics on his pins.

"Dor," said the inspector, suddenly, "let's talk to the head nurre fart, then we can look up the young man and Tomie."

"Miss Cornbill," asked the Doctor, when the head nurse appeared, "did you see Mr. Creightad when he was brought into the hospital a few days ago?" "Of course," render the nurse.

"How did Mr. Cruightad seem to you ?" he queried

"Dettor Jarvin," the surse said, "Mr. Craighead was very baily hard. He was not a patient auffert —he stord the pain irritably and was releved when it become accessary to otherize him. He asked the dretter to give him a hypofarmic a couple of times, but the doctor refused."

"That we like Jin," morning Dottor Jarvis, "Bat," confined the nurse, "he sheald not have field from the operation number normal conditions, Of course his mential condition was very bad. He was a very handonse man, in the physical condition and he maneed, time after time, "I had as lief been killed as lose my fort."

"When Mr. Craighead was taken home, Miss Cornhill," asked the doctor, 'Mid one of your marses accommony him ?"

"No, sit," was the reply, "Mr. Craiphead insisted that his non and the young man's hely friend he with him-anyone also, he was sure, would irritate him more than help."

"Thusk yos, very kindly, Miss Corahill," said the Doctor, and they left the hospital.

"Well, inspector," began Doctor Jarvis, when they

were scaled in the car, "we don't get very far at the hornital. If it has between Roos and Teasis, I guess it may as well end where it is."

"See here, Doc," said the impactor, gripping Dotor Jarvis by the arm, "yea've started me looking for a marder or some crime and by the electral, yeu are not going to let any semiimentality about a preity gird check our investigation until we know that there is or is not a crime."

"Inspector," register the Decker, with a back pitter in the exp." who get a three is any c'ut at the bee like disk, it any with year is the east. It simply most outdots and the second second second second second is backwedt, but who the estimation is the face. Dr. Lowson has certified that Jim Crainched def at animal content. That present any kind of picture nature. In fact, there would have been to picture nature. In fact, there would have been pays. Narw, we must derive a work have been betown the second second second second second second is normal meaning.

"That's true erosuph," replied Craven, "and we don't want to alarm anyone until we have the goods on him. You he at the imprest bright and early and keep your syze and ears while open. I will find out when Tessis want to see Piggy Bill last and join you have."

The impactor left Better Jarvis at his does a proof to may conflicting envision. He had started tooblevery roling which is known could no league ha stopped. But he did not want to leave Reas open to an indiciona statek. His efforts to communicate with him, however, were anaxyoulling. After a sherptom aight the doctor refreshed himself with a primary a shown, with the doctor with the present is a start, a spart, which further with the present overflow with Lawren and the start. It had just

"Now Deckor," began Mr. Balley, representing the immunoe company, "you were describing, youtaday, the nature of Mr. Craighead's injuries. You mentioned fastening the harenostate yourceit. Will you bill the censur and the jury what you mean by that?"

"Why, yes," sensured Dr. Lewson, "to use layman language, harmontata are little elips which are applied to the ends of all the suvered blood voxenis when we amputate, thus cleating them so tightly that no foreign or toxic substances can find their way in."

Dr. Jarvis leaned over to the physician of the insurance company whispering, "Fullca, why deem't your lawyer and kim how the alock of the operation or blood poison could kill kim, if the hasemotiate were prepering anglied?"

Dr. Fulton communicated this message to the lowyer who immediately shot this question at Dr. Lawson.

"Dr. Lawson, if the hearnotate were properly applied, how do you surpose the polecous subclamon got into the wound, if the wound was stelle, at we must assume it to have been after the operation at the hearded?"

"Well, one way, which I assume to have been the frue way, is that the poisons made their way through the wall cells of the blood weach-the arteries, weins and capillaries," replied Dr. Lawson.

At this reply, Dr. Jarvas shut has bee very grantly, at this mamont, Inspector Craven alluped into the

"Doe," he marmured, in a low tone, "we are on the truck of acceshing-Tessie visited Piggy Bill twice. the day before Craighead died. He's a had eng. handed except this narootic deal. He's bad, though, bad enough for anything. Now, here's another furny thing about Piggy. He's an educated rogae, How does that fit in with your story now?"

where we are heading, but that last remark of Dortor Lowson's above me that Jim did not die of the cause his death. With a few more facts. I think I can clear this mystery. I'm half tempted to take a

"Walt notil you have the whole story," advised the inspector. "If we have to make any arrests, we

"Doctor Lawson has just made a had break," said Dr. Jarris, "which makes it easy to show him un although I hate to discredit him. He really is a good surmoon, but he's not modern enough. We

He then scribhled on a piece of paper, "Ask who

In a few seconds the hwarr asked:

Dr. Lawson Mr. Craighead was in charge of a

"He was in good hands, Mr. Bailey," said Dr. Miss Tessie Prettyman, of whom he seemed to be

"Is Miss Prettyman here?" succied the lawyer, "She is sitting just back of you."

"That will be all for the present, thank you, don-

"M ISS PRETTYMAN, will you take the stand?" asked the coroner.

Both Dr. Jarvis and the inspector looked keenly at She was tall, well formed, with a wealth of blond heir which approunded a very beautiful expressive

"You named Mr. Craighead during his last illness did you net, Miss Prettyman?" asked the lawyer.

"Rora and I took turns, and sometimes both of us sat with him tegether." said the girl. "He grew

"Sometimes I did and sometimes it was Boas" said the girl in a low voice, in which a slight eatch

"Gad. Dor." snapped the inspector, "where is this young chap? If he knows anything we can sweat both him and Teasie."

"Thure he is, three seats over," replied Dr. Jarvis "One look at him onght to antisfy yea."

They looked at the tail, well dressed youthchap, yet now with his lips tightly compressed, evi-

"Mits Protyman," queried the lawyer, who as yet "how did Mr. Crauthead die? Describe his ayon

"I can hardly tell you that," answered the girl without hesitation. "Ress would be down for awhile in the adjoining room, with the door open, whenever Mr. Craighead dozed off late at stoks. Mr. Cratchend died very suddenly, for I ran in a very dapper. Ross of course any birs die bet much tell me nothing about it. He said it was too awful."

"Now is the time, Doc." said the inspector, all his detective instincts aroused, "We'll see what the can see how doep in the affection of Piggy Bill's

In the girl, the inspector, looking for important sible accomplize of Piggy Bill Hovey in some foul

"Swear Ross Craighead," said the coroner, who did not know whether he was to be bored with a lot of insurance statistics or was to face a drama net

The burn of conversation in the courtroom ceased tion the inquest was tanding. Even to the common this long rehearsal of symptoms without any avosed purpose seemed unpersonally delayed. Inspector Craven's presence pursied him. He did not especially relish having the police oversee his conduct of an incusst. He asked rather curthe that the

"Mr. Craighead," began the hawyer, "were you with your father in his last hours?"

"Did you purchase the medicines administered to him?"

"No, sir," was the reply. "He was very querulous if I left his side. When I deced off, he often called me just to talk. He felt the loss of his activity so much it was pitiful. Miss Preityman, who loved him almost as much as I did, for we were always together, never minded going out for whatever he wanted, day or night."

"I should say not." multared the invasion grinds

"Now," pursued the lawyer, obedient to the docsome understanding of the exact cause of your father's death."

"Woll," answered Ross, wearily, "he insisted on taking opistes; he know hew to take a hypodermin hans. He was not a drug addict, but he often said that he would take suything to drown pain. It happened like a flash. I did not know that bland poison could travel so fast. The night he died he

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Using a piper of a strength derive, in M and M an

"The hopeless fool," he crited "I warned bim sgainst thet very thing. He prostically killed himself. The shock of the operation was enough at one time."

When he reached the house, he said it was too into to do anything.

"Did you look at the bottles on the floor "" asked the lawyer.

"Yes, sit," replied Ross. "They were all thrown together in a breaken heap-they had been on a small shite at his bedside. In his struggles, he must have overtained them. On, it was terrible, torrible." Here, the young man barried his head in his arms, shalong with the never of bits ensultan.

"Inspector," said Dr. Aarvis, "that young man was describing a death from sizychnize polanning. We must find out where that sizychnize same from Lock at that girl now!"

The impactor followed his game to where Totale sol. Bits was obtringuib berror strukture. A look of distruit errors into the same distributed Booth's discussi. Form the same, Race was attent to ge to hat sole but at a sign from the improve an effect tokk him by the same. Racing half in a shall ensu the impositer. This heart same as be cought that look of densite on the sign's factors.

 $\begin{array}{c} \mathbf{U}^{\mathrm{TRR}} \mathbf{V} \mbox{ atom } i \mbox{ the drama was apparently by } \\ \mathbf{f} \mbox{ or } \mathbf{r} \mbox{ are } \mathbf{n} \mbox{ and } \mathbf{n} \mbox \mbox{ and } \mathbf{n} \mbox{ and } \mathbf{n} \mbox \mbo$ 

of murder now; when I am through, it will be your affair to bring the guilty parson to instite."

"H'm," musicil the inspector a second, as if in death, then posted his men with orders to let no one leave the court root until he gave the signal. "There might be others," he reflected, "so why not beg them all?"

Dr. Jarvis now stepped to the table where counsel and dectors sat. After a few whispared words, Mr. Bailey rase to his feet.

"Mr. Coroner," he mid, "one of our most preminent physicians, an acknowledged authority and the closest friend of the deceased, its our next witness. His testimony may clear up some of our dificulties."

The proved corely are proved only the due to the second core are proved only the second seco

Dr. Jarvin was sworn. He was then examined on his various degreen, his experience, his ederatify and other studies. Mr. Bailey, instead of adding a series of quantices, meaning has been been any testimony that might throw light on the death of Jim Grainbead.

"I would like you to bear patiently with what I have to say," began Dr. Jarvis, "interrupting, if you like, when I have not been sufficiently olsar, for whatever sussitions you may care to rut.

"Bisparious tensors, bits metroteomic solids of the bis front 11 here may here means the the strategy harmonic hermologies, bits in Generative and the matching of the strategy of the strate about the nucleus much as the planets revolve about

"Now, this discovery led to the measurements of these tiny particles, Science wanted to learn cules. The electron is about one thousandth the volume of the hydrogen stem. Do not think this is all a pedantic discussion. You will see in a very

"The atom," continued Dr. Jarvis, "Is invisible under the most powerful microscope. The molecole is larger, but defen the mirrostore. But having gone thus far, science had to go further The next larger mass after the molecule, is the celleid. A colloid is a formless substance classified as a slima. It never takes a definite form like the crystallins substances. Solutions of gold can be made in the two forms-there is a colleidal orth and

A look of sturefaction was on the faces of the inspector, the corvoer and all that vost throug in had it drooped during that tenss tilenes. Back of these wystic words on enjame by. That the doctor would clear it up, his easy self assurance seemed to

"Even the colloid practically haffee the microscore. In the ordinary atmosphere, merely cloudy impressions can be obtained. How then is the presence of any of these tiny marticles discovered? It is very simple, when the method is disclosed. The colloid cannot be seen, but it makes a shadow on an of a celloid is suspected, its shadow on an electric spark betrays it."

"Paydon me, Dortor, for interrupting you," hecks in the hewildered Mr. Balley, "but if this discussion ing about, are so small that they cannot be seen with the strongest microscope, how it helps you any to know they make a thadow on an electric operio. In fact, how do you know they make a shadow on

"OU may have read at times, Mr. Bailey," re-"Y plied the doctor, "announcements that an ematical calculations to be at some point in the heavens, which the telescore has been unable to penetrate. Well the speed of light, which is 186,eve could not see. So, a photographic plate will scontimes catch the smaller particles as well as the largest stars, too far away to be asen

"If you consider the light as moving in waves it and make no impression on the eys or on the photographic slate." The doctor here took a sheet of saner and hastily made a sketch which he showed



"The ways of natural light are closer together, but still too fay apart to eatch much of the smallvantage," The doctor made another sketch Natural light waves:



"In natural light, under the microscope, it is at times possible to get a hazy impression which convers httle information. But it has been found posthan natural light waves in a vacuum and thus to cought in ordinary light." Here the dortor made



"Thus a sholow thrown on a spark of an ultraviolet my in a vacuum will be recorded on a photograph of the phenomenon. The discovery of the Becomerel Rays, the X-rays and the various rays known as "gamme," etc., were all stepping stones to our knowledge of the timiest particles. Com-

"A photograph would show the presence of a colloid without great difficulty. Now, what is the relation of the colloid to the problem we are trying to solve? During the world war, things were learned which were mothered by necessity. Surto a toxic condition, it is not what is technically known an blood poison. It is definitely the shock of the operation. In the world war it was learned that the shock of the operation was due to the abarration or inditration of certain toxic or notaccous substances which belong to the colloid

"It was observed that if the hermostate were removed from a wounded member, which had been was roticrable. This led to the conclusion that the harmostats kept out something which could enter sion which followed was that the cause of shock was screething which could not pass through an the blood yearsely. Experiments have shown that while agentalline molecules would pass readily enough through a marchment filter the colloids re-

"So, if a wound is made perfectly sterile and hasmostats are used to seal the wound hermetically, the colloid poisons are excluded and, an they ing of the wound effectually prevents the condition brown as short which so often is the fatal result of an operation. The tiny colloid, first known by

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its shadow on a spark, cannot enter the blood atream if the wound of amputation is sailed.

"The locars of the world was showed that the output of the second was showed the second and applicitive presence a compact and different barries dead. It may not set now wave we have astions dead. It may not set now wave we have asdead to wat due to person which second in through add prelimps through excitations of the this locar add prelimps through excitations of the second true that the vector wave perception and the other hand water of the second wave perception. The through the perception, the second wave perception and the period of approximation.

"If it was impossible there, it was impossible elsewhere. So, it Juin Graighand din act dio of the shock, had did of something eits. It was not blood points, for it would not have studied on a time of abort a time. It is don't was day neither to hierd points more to shock. Of what, then, did he did' Symptone tall us chearly enough. Creightacht and doorites in unchealtal renogate, surprisons which point atmost uncertainty to the fast that That points, it soart was expression.

Had a thunderboth detroyed the copole on a matrix tability and eaued it to even his on them, or had a key relevant in crying that a tild wove, wise ranking ap Recodwort, the excitament could not have been greater. The girl was crushed, Wes is guilt hance could be read in the terrified features? The conner's jerr, which a few minutes carlier was ready to render a version of the origin of the to an operation, was now annious to recommend the arrest of a surreducer.

FOR a few seconds the atmosphere of the court recom was tension-as whipped by the solution of the solution between anoved resultantly to the actors in the drawn. To grit under gasted, almost terror strikken, looked across bestechingly at har lower. The youth reformed her gasted, administration of the solution of the reformand her gasted, administration of the solution of the reformand her gasted, administration of the solution of the

This eminous elience was broken by the corcose. "Dr. Jarvie," he said, "the fact of poleoning can readily be established by an autoper. If it reveals, as you assert, the presence of poleon, arrests must follow."

"We can if a father the autoputy you find the multiputes who, builty survively, would find," where the in-monotone, who had followed the constants of Dr. Jarvis and decided upon his course of static and the state of the area backing for proads which you are contain to find, if Dr. Jarvis is not mitistant, and be does not table like a man who is initiation, if will table the presonanties of averesting Ross Craightand, on the charge of polarizing cost background, on the charge of polarizing or bring an accessory to the polassian of his father".

"What a faul he" cried the youth, heaping toward the inspector, with whem he would have grapphed like a wild beauth, had and the police interceded. After a vicient struggle he was manacled so that he could threaten no more harm. The isspector was unmoved by this demonstration. He was calculated by girl main wass. Either dew would remain cake, is a might be expected of Piggr Bilds, "worksit," or nik would try to asse Ross. His calculation was perfect. Koss had not yet been calculated when girlt's voice cauld be based above the turnel., Terror and dimany minifed in the cry, fore granued be is much forward to reach the main termination of the main termination. The react the standard when the main termination of the react the standard with the standard with the based baby the standard with the standard with the standard with the standard bins to chain bot, the react to be arress the room.

"Whatever you say, Tessie, will be used against you," he said. "Do you want to take the stand again? Perhaps you had better talk to a lawyer." "No. no." she cried wildy. "I will toll you every

"No, m<sub>2</sub> "and exist which," If will be you deterthing I know, I did not understand what it di it all and it is too herribo. That hey you access, Bess-you do not know hum. He couldn't kill be ready to the order of the couldn't kill be ready to me if he is chard, Bott I active committee to me if he is chard. Bott I active committee on more than the instance of the stark of the sector me if he is chard. Bott I active committee on more that the instance of the stark of the secment of the sector is made the sector of the sector method is the sector is made in more one of the sector is the sector is made in the sector of the sector method is the sector is made in the sector.

Slowly the moved to the witness bax, where she took the oath again.

"Mire Prettyman," said Mr. Bailey, "boll us all the facts you know in connection with Mr. Graiphad's death. Tall us particularly where you obtained any of the drugs administered to him during the period followine this coeration."

"This is true," Tensis having "that I bought all the drogs which Mr. Contribution models. All the prerectprisms were filled by the Groves pharmosy: There were two or three for drightalis and one or isses for antitopelic workes. There was another precipition which I must describe. The day hefere Mr. Conjubrad died I went to the prices to see Bill Herver."

The impactor whispered quickly to Mr. Baller, heatfor whore he had taken a chair. The lawyer now own his case. The gift was to be avouted. In fur hardner terms than the inspector used for the third degree, he shot out:

"How many times did you go to see this Bill Hower"

"Twice, the day before Mr. Craighend died," she answered duly,

"Bill Hovey, in the parlance of the underworld, is your 'sweetle," is he not "" parsued the lawyer.

"You filthy cad," barst from Roce, who tried unavailingly to break his manades.

"You'll be gagged, if you don't keep quist," said one of his guarde. But the inspector turned and motioned for silence.

"Mr. Balley." replied the girl, with dignity and reactiment, "Bill Every is a man who, I have berred lately, has cormulated many wrongs, but he is fifty-two years oil and I are twenty-two. He never was my invertiel," as you call him, after you are to well acquainted with the unforwerfel; he in my teerphice."

Three was a mormur of approval from the opertators, who obviously did not like the way the examination was conducted. Inspector Graven leaned toward Dr. Jarvis, "Say, Das," he whispered, "I'm beginning to see light, We're only getting started. How about you?"

"Did Nr. Gräighead and Ross Graighead know that your stepfather was in prison?" asked Mr. Buller,

"When heat Catalood first solar as to show that this hear association that it is the solar solar

PROMPTED by the Inspector, Mr. Balley contimose his questions.

"Why," he saled, "did you go to see Bill Howey the day before Mr. Craighead died?"

• T should got have gone at all," regular Tossky, "If Mr. Coalysch and not requested it. He sent me ard a couple of times to a draggist with an oll prearizington for narrotisi-morphilms—and the druggist refused to fill it. He have Dr. Lowen had forbidfert it and was afrack. Then the pain get so had that Mr. Coupledond tessel thetain wereated be within we couple and the faith wereated be within the senter in the factor faith of the senter senter in the factor faith.

"Tends,' he said, 'do you mind going to that no account stepfather of yourn? Ask him if he can tell you where to get scene morphics. Thusefellows always know where it is to be hed. Just say that you want to do me a good turn-that I am is anot nuite.

1. The second second

"Bo, I want to see Bill Howay at the pelson. He accessed glid to see new and taid mu what an injutive had been done him. He said he felt sure he could get out if he had money ensugh to pay the lawyers. After he not out be intended to go off consequence and start right again. I taid him I was due to have it wall here he said:

"Testle, I could fix everything up if I had \$10.090. You could get it, too, to help your father out of treaths"

"'How could I get such a rum?' I asked.

"Why, your rich friends, Mr. Graighead and his son, they have all kinds of money-they would give you \$15,000 if you tried them out."

"If that is the price of asking you a favor, Bill Hovey,' I minwored, 'I may as well go,'

The decayed, thro-trid to such an --aril he would for anythic 1 wands--acids there is 0 aryst what he hold said. Then I and it has where I could would be anythic 1 would be also that the other of a source of the heat I would be also that of any own account to hip him. I didn't want to tail BH anyling the marking course him to two the two any high the marking course has no two to are over the marking. I and I didn't how-with the world on how heat the beatman from was to rewell on how how how how how how the twoset of the beatman.

<sup>1</sup> "Tossis," is said finally, 'I'll do this for you without any strings. I know of another drug that he can naw with the morphism. It is casticd acophism and is known as a mydriatic. But it has other properties, too. Do you know ampliing about it?" "No,'I a narwerd, 'I never studied much."

chemistry,"

"Bill wrote same words hastly. He said it was a preacription which I was to take to a place near Tarrytewn."

The moment the girl maniform "Therptown," two backdeed meen in the court room new hardly from their seate, are moving toward the door, the edder to a course of the courd'or where there was a telephone both. But the importer, who had followed the girl's neary with the unnost attention, was watching every one of the speciators in the growfiel court room.

"Get these two men," he ordered, putting to the pair, who tried to force their way along more quickly. The second man actually entered the toihane hoult, manisaily moritory the lever to algual the operator. An offser parased on him before the spectrate hand answered. Be screargized mightly, for resistance. His common the matter to mickly for resistance. His common effect.

PANDEMONIUM now referred in the court roum. Two reporters rashed to the telephone booths, The police mode no exception for the men of the press. For some minutes the confusion was too great for any values to be heard. Finally the inspector successful in making himself heard, his hig, beening toose deministing the upress.

"Mr. Courser," he began, "nothing but the scoresity of proventing early secondered from middlen his essipe could justify my interforease with your forbidelistic. It may online reven to update the digitity of point used there, it thiss of any other of truth in the orient flat yours with the base stand was tolling, the villant certainly could not be without interest in this layers. It would not due to come kinnell, see would be due to remain second any second second second second second to come kinnell, as even and as due to the second second second second second."

"Will you continue your story, Mire Pretty-

man'" asked Mr. Bailey, with more courtesy than he had yet abown the girl.

In a former vorce, inspired with the hope that her story was gaining credence, Tessie resumed her norrative.

"Bill wrote the prescription in words I could not understand. He said it was Latin. I studied a Rittle Latin is school but not that hand. He called R modical Lahur, besides, the writing was very reamped and would have been have to read even in Kngich. The last part of R I could not make out at all.

"He's an actist,' said Bill, 'bds druggirt yeu will visit-a man of parts, chaugh deformed, yet in his art, a creature of moticalous skill. Fany bi is, too, about his proverptions-he will always have them very measer and formal."

"The prescription have no address,

"Where must I take the prescriptions?" I asked him.

"On 42nd Street,' he add, 'off Broadway, look for a taxicab, roi car of the hig comparise-there is a cost of arms on the door, with a figure rine above it. Tell the driver Bill sent you with a precription. He will take you to the phase. It is a long rife, but you need have no face.'

The set of the Bar Bar and Paralyses, as it is the set of the set

"A kind of wayon track led through a gate, which hung on one hinge, just the words. The driver lifted the gate to let the car through, thus closed it again being this. Some distance from the road, well hidden in the trees, we sume to a bouse, once a tranated house, but now becking very displicated. It did not seen a likely place for a drug stortift. I aski working as you conclude a directed.

"The car stopped and I stopped out. The prive knowled at this door twice, rather sharely. Some one poered through a dual-covered withinke hill cloud by rickety shutters. In a second or two the door opened, the driver number a new words and we were uthered fits a strange room by a missharen dwarf.

"It was first up as a singe store-souther, theorem illed visits, all historical, produced bactures, directed bottos, all historical, produced bactures, directed bactures, who field near with exception of the singer start and the singer start and the singer direct set is bactures, who field near with exception on a 1 held priority bactures and glosses are one as 1 held priority bactures and glosses are dial exceptions. When its hand field the present priority of the singer start and the singer start drops with still on other block?. There was a small bacture was an and the singer start and the singer start drops with still on other block? There was a small bacture was an and the singer start and the singer start drops with still on other block?

 $\begin{array}{l} \operatorname{der} \operatorname{THE} \operatorname{series} an adding order the bose for the M of the M$ 

"Why all this round-about way to get a little drug? R was all horrible. I wish that you would not take any more of the stuff?

"Mr Graighead just laughed, "Well, little girl," he add, ff a man insists on buying liquer, he must go to rather uply looking phones to get it-off he must have morphine, and the doctors will not get it for him, he must go to even utiler phases. But we will never ity that and h?

"That night he took a hypodermic but zerow teached the bottle. He kapt all out of alght when Dr. Lawson cannot the next morning. Toward night his solar because intense again. That must have been why he used the drug the misinkapen drugsits had given me. If I had only known—ab, if I had only known."

Tessie gave way to uncontrollable subbing.

When the had grown asmewhat composed, Mr. Balley asked:

"Could you read the prescription at all?"

"One word, only," replied Testie, "Scopolanin."

"There was a file," said Tessle, "with a number of other pranariphing file upon it; the druggist put the one Bill had given me with the others."

Half Aired by the ordeal through which she had parsed, Tensie walked unbindered to where Ross and massacial. Inspector Graven himself removed the handwalfs from the bay's wrists. He drew the wird to a their bestie buts.

"Mr. Coroner," said Impactor Crewen, rising, "I am prepared now to make the extraordinary request which I monitored before Miss Prettyman had complete her testimony. There is here one way to the here two prices, Assuming, at 16 do that here there is a strain of the strain of the strain the men who tritical her were allowed to cause. It is possible to tray the draggist, who dowlines, with mean wayse by addrawing the capable of a willing as the strain of the strain of the strain of the strain were strain of the strain were strain of the strain of the strain of the strain were strain of the strain of the strain of the strain like it in order that no warring may be given. If the strain of the strain strain as each with a strain of the strain strain as a strain of the strain strain of the strain

"It is an extraordisary request, Impeter Graven," replied the errours, "se extraordinary that I do not know if I have to much additary power, Before even dedifing I may additary power, is it possible clear up the young woman's stery. Is it possible that also withed this Hovey in prison and that it was possible for him to give her writing without dehedred?

"When a man like Rill Hovey is cantured, Mr. Coroner," answered the inspector, "he is often siver a great deal of spregrant freedom in order that he case, that he may betray the hiding place of a lot of dangerous drugs. It was even contemplated to release Hovey and keep him under surveillance, but be is so allopery a character that the plan was abandoned as too visity. Two men were detailed to follow the young woman on her visit to Hovey. They were not clever enough for the job. The taxi driver went three times around the block with the officers two cars behind on his trail. The driver knew it. He drove around the block until he saw the traffic signal about to change. He dashed across the street while the officers warted until the signal was charged again. When they crossed the street taxi, as Miss Prettyman has related, did not return to the city that night. When she returned to the prison, the officers who were supposed to be watching her, were still looking for the taxicah, which they learned had turned into Broadway. This incident, however, will reall in more stringent rules

"WHAT I propose to do in this," continued Inmy spectro forwar, "I propose to take Tanais and Dector Jarvis with me to Tarryiew. Daises hear been worrod, the druggist will be arwiting news. You men from thit point are to custofy. These may be others posted here. For that reason car mission will be futile if anyone is permitted to leave."

"If I make such an order," said the coroner, "your men will have to enforce it. No matter how you travel you cannot go to Tarrytown and back under five hours."

"That is true, Mr. Coreany," and the impetery "yet this in workhy of consideration. In the last four years there have been access messphilds mardem through poisses which cannot be obtained offices poisses have been facent last has the source man addited in backbang with a supply of damperons substance." The coroner hesitaled no longer. Rising from his chair, he pronounced his decree:

"As the pressing effect of this court I barely erijon and forbid any percent to have this courtroom until the return of Impactor Graven or until he has advised the Court from Tarrytown, which I require him to do the instant he has accomplished or fulled to accomplish his mission."

An additional detail of officers had arrived. There were a few margure seguiate this nateries of autocraits power, yet be nummers were soft, for there was no speciative of the ansequent durin of overfas in the construction. Sense possible ladded and the demountered. Encore possible ladded and the soft years. Others quite volterently exponed her enses to other software softwared and in the coret reson multi be norisy relaxed.

The girl, a picture of abject despair, sat at the side of her affanced lover, uncertain of a future which only a few days before seemed rosy with the dawn of heps. Turning to her, the inspecto said:

"Tende, you must show the way to the druggist near Tarrytown. It mann freedem and vibilization for you and faces if we were'ly your words. Dotter, if we can find that prescription, it will need more Latin than I ever knew to decipher it. Bons, I think it is comine out right—as right as it can."

To this Reas made no reply. He present Testie's hand in farawell, then the trie left the courtrons, hundreds of carfors eyes following them. Some women whispered as Testje passed them:

"Good book descial"

Inspector Graven, not during to trust himself, as be remarked to the doctor, took one of his men along as chauffour. He feared that be would drive too fast for eafety. So he said to the officer:

"Tarrytown, Bercolo, at the best you can get out of her."

The automobile had a rlot car sizes, but it is safe to assert that no riot car ever ran like that one. There were few carves to make and with a few excuptions, the read was perfectly straight all the way.

The car could run at a speed of over state. It reaver nearly that the entire distance. At hey recoal along the highway, runsis fait the universe signing from she. The thought of what jakes in the world maint her we when this adding of the hought from hey creations and the thought of thought from hey creations and the bur all pointed out objects along the read-a difficult task, with the our doubling about to find the phone and talengaph path about resulted a phone.

"You masta't worry so much, my child. What is your anxiety, now?"

"Oh," she cried, gulping to keep down a sob, "if the hanchlock has taken alarm and gone away, what will become of Ross and me?"

"The shack will still be there, won't it? That will confirm part of your story," said the doctor.

These words bewildered the trambling young .

"You don't believe, then, that I gave him poison deliberation ?" she fully and

"I would need more proof than we have now,"

To this enigmatic reply there was no response.

They were not long in reaching Tarrytown, where Inspector Craven turned to Tessis, saying :

"You had better keep your eyes open new for the place where you turned off the main road. The speedemeter says 52 now; if your guess of the distance is accurate, we whethic run much slower."

Beronio ran the car more slowly for three miles, hot Tonsie did not receptize the turn. Nearing four miles, as the inspector was boginning to be assailed by dynits, she said subdishly:

"Note beyond here, I remember, is the cross road. This pateway with the two store lices at each side, opened as we passed—a car econing cut delayed us for a moment. It should be less than a city block abed."

THE inspector full almost obserful when, two hundred feet farther on, another road crossed their math.

"To the left, Boronio," he ordered, "when you come to the trees take the wagon trail and go just a short distance."

Importer Craves and these weeks flatouily, Box ans we has have a small a since in which has have no many strategies and the strategies of the strategies of the first first Birs and manifest the words like a disking doil. Tays were all unarrest as the final test approached. Mentally, the inspectre Marcol the device with half back has to a to dely elever birs the device of the star back in the star of the elever of the star back and the star back of the device of the star back model and the star back of the star back of the star back of the star Protocol and the star back of the

"How far did you go into the woods, Tosale?"

"Pomility four or five blocks," replied the girl.

"Beronis, give the doctor your gun," ordered Inspector Craven, "He may need it. Lead on Tensle, but go softly."

The evening was coming on, the axisms air was cool and damp in the megheted woods, woody, with their undergrowth; it was difficult to think of a house of any sort there. Yet they followed the first horshields, almost treading on the back. Five hundred yards they tradged along the winding path when finals stored.

"Look," she whispered, pointing to the right.

Both room followed here glance, assing with relief a diloptitude fraum house, to all appearances unoccupied, saves for an almost imperceptible this line of smole which wan just visible above the howare developed the chimney. The door was closed, latt would probably offer no formitable solution. But, would probably offer no formitable solution. But, on the front of the house. They were half chased, hold by a hit of robied ribbon.

"Dec," whispered the inspector, "I am going to allo over to the dece. If anyone tries to drop out hw that aids window, use your gen. If any of Hovey's gaug is about, they worlt mince mattars."

Inspector Craven was Minself, now. The house was here, that was certain. Stealthily he moved toward the door. Unnerosited, he gained the doorway, where he should for a moment likeling to way, where he should for a moment likeling of a sweer fait taking. Its path has the doubler against the door, it was holded and resisted has be indee and write anglety impact, dours the door open. As he almost full over the threshold, a sint way, and the should full over the threshold, a like and write the likelihood open and the should be the way approximation. The system should be compared by the gam which covers like the hold hit hold open to the gam which covered kins. The instantion to report the gam which covered kins. The instantion the strength open and the strength open and the transformation of the strength open and the strength open and the gam which covered kins. The instantion the transformation of the strength open and the strength open and the transformation open and the strength open and the transformation open and the strength open and the strength open and the transformation open and the strength open and the transformation open and the strength ope

"Are you hart, inspector ?" asked Jarvia

"He winged me in the left aboutder," and Craven grintly. "TI had not stumbled when the door gave way it would have hear weeks, for it was well aimed for the heart. Pretty lookin' hird, aim's he? Is ha the one who filed the rescription, Tenie(1"

"Yes," replied the girl, while the dwarf looked at har malevolently.

A small fire hursed in an open store. As the dottor, scelarg the blood on Inspector Cravens cost, began to examine him to learn the extent of his injury, the hunchback, with a quick movement, grapped a bundle of pagers spiked on a file and three there into the store.

"The prescriptions, the prescriptions !" oried Tessie, in a panic.

**CORDETTING** his wound, the impector langed as the burnchlark, felling him is the forw with a to be bown more than the second second second to the bown more than the second second second to the bown more than the second the sheet of the second second second second second second these the but sould had singed the editor. The dotrot, fargers callered second the callow. The dotrot, fargers callered second the callow.

"Tests," said the inspector, nursing his wounded abuilder, "run through these papers. See if you can find anything that looks like the prescription Bill Horey gave yes,"

Eagerly enough, now, she lifted one sheet after smother from the file. Not far from the top she came on one which she examined carefully.

"This is it," she said, holding it out for Dr. Jarvin to read. His profaustenal instincts, however, overcame his carisalty.

"Inspector," he cried, somewhat shamefacedly, remoradul for asplet toward a wounded friend, "let us have a look at that shoulder first."

"It hurst like the devil," said improve Creven, "but that like the devil," said improve Creven, "but that like is starring, so safety first. Take a pair of hadcen's out of my pocket and samp them on his wrists. He would blow us all up and himself, ta, if he work the chance."

(a) A log by the acceleration minimpers dwarf, cleansiby Drash they isolated at his worked. The dwarf's are more than the source of the sou

The impector was not seriously wounded. The

built find by the burshback, from a victors little subtrantic 23 bad gran strategit through the ebusidra models, seavring the smiller blood vessels. It is a strategies with the seave the seave the seave the Craver was impatient to hear this trends. Has they found the greeceription H if they had, his weam making with the H rate, fit was a food. He had make a mobalrama of a corease's investigation. If without cause, he was a mage. With cause, he pre-

"Doc," he rold, as soon as the bandage was drawn tight and a tourn/quet applied, "see what kind of a fist Piggy Bill writes. If (its the literature the little lady says, 170 bet it conducts Shokemener."

Dector Jarvis then spread the paper Tessie had given him on the counter, while Tessie and the inspector leated over his shoulder.

"The first paragraph calls for morphise and secpolamin," said in. "But scopelemin has no virtue in a surgical case. But wall," he added, "there is more. Mr. End what before "

For a moment be was speechless, then began reading words forcementationalities to his bearers.

"Morsour of cler null' was the saturation, then came the following words: "Ctat Men drifting words: not' "scoplaintif" et le mot qui expression transit de la noix vorsique ont la mene total; il servit blen dormage e l'en preventrait tran pour Fautre."

"What does it all mean?" said Impector Graves, "Weal," asserted the detect, "is in not medical Latin ror any ather kind of Latin. It is written in fairly good Precedy, not at all difficult to follow. This is how it reads," My dear fifted, it is very which algorithm the extract of non-version have the same number of letters. It would be said if one missiok the nex for the others."

"That was why he tool Tessie scepolardin would bely Gwishrada. It happend to have the same numher of letters the way he spelled it (without the 'w') as strychains. Strychnike is an alkabid of new varies. He knew Tossie was ignorant of French-the rest was easy. But I don't understand what he board to avia he it."

<sup>10</sup> The topics of gravity of the thety is abouted the "Thet, a should gravit like thety is abouted the inserted a "Weil is not set if \$6600. If Training and inserted a "Weil is not set if the the the topic set orming on hear from to set that he pert enough to pay the inverse who purposed to get this out. Why his form have Possie paying historial for marker the sets ton years." Then turning to the gift, he continued.

"Temie, you have our compliments. I hope fortune will smile on you. This has been a terrible ordeal for a young girl,"

"Indeed," solbod the girl, as reaction set in, "I do not care about fortune, now. How can I live, knowing that I bloged dill my beneficate, the one who was as much a futher to me as my own might have been had he lived,"

The destrot took the hundle of prescriptions and with a number of vials considering prohibited drurr, merceins and tools existing the druce druce of each destrot for fourier of the nume to be Thusship Ching. For some of the present is the Thusship Ching. For some of the present planese to the Ching. How one of the present planese to the metropolic large month to have a couple of different some topped large enough to have a couple of different some to grand the drug store bidden in the woods, so that no evolution might be destroyed. In the prescriptions were search orders for deadly poloans, spinby Proxy Bil Howy, to down him many times over. The proof in the Crainford case was recriming.

Inspector Carsen than bisphinoid the corrors of the taxocos of their minides. Beneficiary terminal tions in more leburshy facility. When they arrived at the Gornserfs Corri with their prisoner and the impactor showing the avoidness of a built, the same that fabbraic loggest all description. Inside the description, Inspector Querer, double his investigned as its end, the description their journey to consider the showing the description that yourney for a triptic fabric description that yourney for a triptic fabric description that yourney for a triptic fabric description that yourney for the start of the showing the start of the start of the for a triptic fabric description that yourney for the start of the showing the start of the start

D<sup>R</sup>. JARVIE followed the inspector. He identifield the prescription, and pave its hideous import to vividity that the spectators shuddered. The urre took heat a form minutes to evolve a worker a sublet

As the verdict was announced, a fixely dressed woman nurmered auffility:

"What a monstrous injectice! That young man inherits all his father's wealth, although be helped to kill here."

She was one of Jim Craighead's numerous cousins and charrined that his big estate was beyond her reach. Ioss Graghted was too far eavy to hear her remark, but she beard his regit teethiestly, for he ruse to his feet, hefter the crowd, dasch by the rapid turn of events. He took hold of Tessie's arm, and stood part the corner.

T write to any to you, Mr. Connect, publicly, W. Menn, Ye Di, A. Siris and to Enspect for Corvers, Batt Allow what has been reached here tasks, it is the second se

"You are free," said the coroner. "All the evi-

The crowd moved aside to let them pass. As they moved toward the door, the girl clutched with both heads, the arm of her partner in crime. Unvilling criminals!

The dwarf was never tried. He was found dead is bills cell the next moraning, despite the conclusured next to prevent bia suicide. A result capacity is the motich showed bias has was also appeared for the possibility of capitre. Pippy Bill ided metririculty before any charge was presented capatient him. "Statisfies," remarked Largester Graver, "as Webster area, wild, its conferming."

A year latter, Dr. Jarvis received as consumement from Sydney, Australia, telling of the birth of "Jim Craighead, Second," "a wonderful, Mend hoy, healthy and noisy," The doctor emiled as he recolled that his pawer of appointment had not been screened.

## 510



# HICKS' INVENTIONS WITH A KICK

y HENRY HUGH SIMMONS)

(Continued from sume 497)

bling with the bottom. "It won't work," the inventor wolled, "Something has gone wrong with the system. I remember now," he added, "I had the hand release takes cut-just taken out experimentally. "If have to put it in again...,"

"You will have it put in again, you confounded peanut-baaded damb-ball," reared livine above the shrinks of the professor and the walls of this formaly company, "when the professor has had his from scalped and has been survived. Go and this the pictor off, I tell you! Haven't you got enough scene?"

The entire compary steed assembled around where the protonor was having the shine of his life, everybody suggesting, tailing, shruting, Smith tried helpfully is pull the protonee out by the lens. Reducided threlas of ageony made him dent. from his Combine aboves. I due my fool more he shire to cateful the julies? "I get it?" pulled likely, as we heard the writeh of a bottom.

<sup>14</sup> At even 1 foll that something was wrong, wrong, wrong wever mith verar spain. I did not know what it was. Yes, 1 did, it was the water rising an my fort. Did I are just a while apo it was famp how the homon mind acts? You know, the first bling it hought of was the produces. "You it work, Hicks," I reared, "you will drown him."
<sup>14</sup> will," arone hask the decoulding of the state of the state

"I will," same back the deepairing ery of the investor. "I will, I will I will But I can't. There is something radically wrong here. Something must be wrong, I an sure,...-I know something is wrong ?" and he want into a spasm of working with the switchbord.

**TOO brackfit that something much be strengthed**. Meanwhilt the water was raining at the rate of about helf will be about the something the solution of the s

"Get out of here, the rest of you, or there may be the devil to pay?" I ordered. "You can't do the professor any good and the water is rising. Get on ?"

To have hence it must be add that the prim Miss peak retained. "We sky with you to the end, daw, and hold your hand," she erround over the right der the waiter the humans were working with andimiteded ageed, raising little surriging edites the dimiteded discuss the installant, which was by this work of the start was a start of the company relative through the installant, which was by this With difficulty benef doog to bound the fract room. I felt the outward rush of water, while the level fell soon after. All of a sudden I beard screams of terror. "Hold the hose." I ordered Mirs Peak, and door. The water was two fast bich. Irvine was standing on a table-did I tell you before that he always was a coward? Smith and his wife, my aunt tration in the water, and every time one tried to rise a step, and karplank! ait down in the water. "Someit is biting me," screamed Aust Eulalia. For a That confounded Automotic Carpet Sweeper was there under the water, rashing back and forth, and get up, "All get up on the mble [" I shricked, "ce you will be killed." Evidently they more ready for any advice, for they scrambled out over the chairs and on the table with an alacrity begatten of desperation. They could all just find room on it. Just as if galvanized, moving toward the opposite end of the room, and all five not down in the lake below. Screams and curses instantly rent the air. There again was that confounded mation awayner, at longer sucking, but running all the same along the four, knocking the unfortunate people down an fast bellowed, and at that moment, remembering the profemor's pilght, I rushed back. By this time the water was three feet doop and was witting close to the end of the hose. But thank excilcent there were only twenty seconds left until the release would work. Daring the alway of excitatent, a life sector crowded into seconds. And did you ever notice how during a perious crisis, you will do unimportant things? Perbaps I needed a mental rest, for just then I saw the Automatic Eng Bester in front of me. It flashed through my thoughts that Hicks had said that it ran at a meed of 15010 R.P.M. II would be interesting to see that spindle on. This was my chance. I could do nothing until the release worked--why not put time to good use? All these thoughts crowded themselves into that brief moment. I hast down close to the baster to observe the way the arongle acted, and pressed the button The cor-bester started like a gun. A lock of my bair was sucked in and wrapped around the highspeed spindle. In a hundredth part of the tick of a dollar watch my head was pulled up until my forehead rehted it. There was a brief moment of conpiede, and three solid handsfot of my hair, pulled ings. I turned off the switch. My mind was cleared adorament, while a little stream of blood slowly trickled down over my nooe

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Then I remembered that I was the one who had fixed the thing up. I began to think. Grusserre details of severa I looked around cautionaly. Then I squared my shoulders which is as it should have been, for it was not my fault

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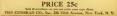
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