17-25 Jan 1891. Min Carb weel's work has been interesting, though still unformation. Two often wells, which Ithrough the unifered, proved blowe been rifled although the felling seemed most fite clean. Author, which was certainly unopour, proved to leave never been used, being filled with perfectly clean mod cetting. It has been about our after being cut, & the damber made; to felle up & built over solity. In Than found another well dose to I (but not inter centry which has been plumbers, tis portably the tout. In another undped (?) will we have notyet readed bottom. Then plane cleaned all over a mind mastaba with 7 folsedoors to damber it, A many wells. Whit all are sitter blank , or with some poor nelowids Un sleping parrage in a runner martales of stone, on massive as the pyramind. This weare now amptying. He two biggest mustabers here we have

XI. Wasta. 17-25 Jan 1891.

This last week's work has been interesting, though still unproductive. Two of the wells, which I thought to be unopened, proved to have been rifled, although the filling seemed most of it clean. Another, which was <u>certainly</u> unopened, proved to have never been used, being filled with perfectly clean rock cutting. It had been abandoned after being cut, & the chamber made; & <was then> filled up & built over solidly. Now I have found another well close 'th/<o>' it (but <u>not</u> in the centre) which has been plundered, & is probably the tomb. In another unopened (?) well we have not yet reached bottom.

Then I have cleared all over a ruined mastaba with 7 false doors & a chamber in it, & many wells. But all <yet cleared> are either blank, or with some poor reburials of XXIII dynasty.

The sloping passage in a ruined mastaba runs into an overlapping chamber $\[\stackrel{\frown}{\kappa} \]$ of stone, as massive as the pyramid. This we are now emptying.

The two biggest mastabas here we have

cleans largely on the top betramer find. any wells. Vie antrana many les of a sliving parage; butter parage in the Juned mestalea would now night out to the fit, when perfect ! which seems so untilly that Ithink it may have had a well bit I all Ilane on trace the endomorwold often frami most pter way round. Arthur pyramid is a Jeveloged (or suveloped) mastater, vas low find no rumains of a temple outle E. side, Ithink to many have a falsedown relaxine in the E. face. On boling abter E.fa.ce high up, there is a ceritors dight defressen out

cleared largely on the top but cannot find any wells. The entrance may be by a sloping passage; but the passage in the opened mastaba would run right out to the top of it, when perfect $\[\widehat{\kappa}\]$ which seems so unlikely that I think it may have had a well to it $\[\widehat{\kappa}\]$

I have now traced the enclosure wall of the pyramid most of the way round.

As this pyramid is a developed (or enveloped) mastaba, & as I can find no remains of a temple on the E. side, I think it may have a falsedoor or shrine in the E. face. On looking at the E. face high up, there is a curious slight depression on it

[♠] A at two steps B A & B.

destroyed

steps casing

rubbish C

This suggests a much above a fulse 2007, printly. Especially and in tothe 3. After middle + the masters false door usually is so in a mentale. In Examine the matter Sham determined I make a deep cut through the publish to the base as at C., reaching from the middle to well below the face grown above. This is a big affair, costing proably \$15 or 20 drough some et about 1-12 per ausi jan. flow ten pairs on it, + satra boys to corry staff. May work very hand, + two or three times day ways. The large to be fullen blodes are the trouble, as they have to be split of + carried out. To get the stuff out There was minor going way The Attom will go out at a July central cut, F. Thus it will be so up a waste heap. The like is 70 × 35 ft. at the top , him untally , of about 50 resp from the upper edge.

This suggests a mark above a false door, <u>possibly</u>. Especially as it is to the S. of the middle, & the master's false door usually is so in a mastaba.

To examine this matter I have determined to make a deep cut through the rubbish to the base as at C., reaching from the middle to well below the face grooves above.

This is a big affair, costing probably £15 or 20 though done at about $1^d-1^1\!\!/\!_2^d$ per cubic yard. I have ten pairs on it, & extra boys to carry stuff. They work very hard, & some cut 20 cubic metres <or 26 yards> a day, earning two or three times day wages. The large fallen blocks are the trouble, as they have to be split up & carried out.

To get the stuff out I have two minor gangways

[R] G C H D E for the middle mass; the upper stuff goes at the sides G F

D E upper stuff goes at the sides G H,
F & the bottom will go out at a

deep central cut, F. Thus it will be so distributed about as not to need to be carried high up a waste heap. The hole is 70 x 35 ft at the top, horizontally, & about 50 deep from the upper edge.

To day has been brutal, with a high cold wind, & at the pyramid work the clouds of dust swept up, hiding all the work, & stung one's face & filled one's eyes.

I had a pleasant visit of two days from $M^{\rm r}$ J.J. Tylor, who has been publishing copies of paintings at Luxor, & is on his way to India.

M^I Bliss is with me, & stays a week yet. He has diligently being/<en> following up everything, & will give full attention to small points of brickwork & pottery which are all-essential for his work at Lachish.

My eyes are too tired & sore with dust to write more. Letters & papers <& Whitaker> $rec^{\underline{d}}$ by Austrian mail, J 14th Jan.

M^{rs} Petrie, 8 Crescent Road, Bromley, Kent –

26 Jan - 1,786 1891 Alast wegs to the Great sur prise, benterry & Freser com cairo fora little adrice; + they thought of municipal som to see me for a might as a change. This well was so templing that they stayed aday bace I send. The great trap Door, weighing 6 or 7 tous was in its place. But by cutting away the brick maser & ! levered wit, x gradually sefully - work we could til it former the passage was filled with manning. So Fraser cut + pulled that out. Heast I cranted in of looked over the last block that remains, into the chember. In first thing I saw was a great believe the flow; it has been burgled by a forced tuned from below! The body of Ra-nefer however remained, lying on its side, against the west wall, head north. Strang tray the head was booken loose, & one hand, but the had was laid in place on a stone. This works as if the place had been plumberd in early times when the body was

XII Wasta -26 Jan - 1. Feb 1891

At last we got to the bottom of the unopened well. Just then, to my great surprise, Newberry & Fraser came down. N. had been overworking, & went to Cairo for a little advice; & they thought of running down to see me for a night as a change. This well was so tempting that they stayed a day to see it opened. The great trap door, weighing 6 or 7 tons was in its place. But by cutting away the brick -- work we could tip it forward. well Fraser & I levered at it, & gradually sepulchre we tilted it over. Then we saw that trap. the passage was filled with masonry. So Fraser cut & pulled that out. At last I crawled in & looked over the last block that remained, into the chamber.

The first thing I saw was a great hole in the floor; it had ben burgled by a forced tunnel from below! The body of Ra-nefer however remained; lying on its side, against the west wall, head north. Strange to say the head was broken loose, & one hand, but the head was laid in place on a stone. This looks as if the place has/<d>

respected. It has been searched in the deed to the wrists, for ornaments. It is marvellously plumper out, or modelled, in pitch tresin, + coals with the most exquisitely fine linen, like that of the dynasty. There was no sign of a Africa or sarableyes, nor formy funeral furniture. It was very vigesting, after the long work we has with it. I fromse Stronger out the body, + shall bring I away, being so early. The large desprove that we have been clearing for two orthon weeks went Town to water level; + they could reach the panag roof under the water; but of conseil is inaccessible without a force Inthe mastales Aura we sound the well estapos hamber outly + we used, we found & cleared a large cutting made by a plunderer; + then lit on an unspend well, which we may lufe is un rifled below. there also author unspend will going on.

respected. It had been searched in the chest, & on the wrists, for ornaments. It is marvellously plumped out, or modelled, in pitch & resin, & coated with the most exquisitely fine linen, like that of Pepi & Mentuemsaf of the VIth dynasty. There was no sign of a coffin or sarcophagus, nor of any funeral furniture. It was very disgusting, after the long work we had with it. Of course I brought out the body, & shall bring it away, being so early.

The large deep well that we have been clearing for two or three weeks went down to water level; & they could reach the passage roof under the water; but of course it is inaccessible without a force pump.

In the mastaba when we found the well empty & no chamber empty & unused, we found & cleared a large cutting made by a plunderer; & then hit on an unopened well, which we may hope is unrifled below. I have also another unopened well going on.

there are many ther cuttings & wells (59) being cleared. A great mustate near the pyramid we have cleared on the N. suid I find the brick face to dercen some 10 ft below the et mass of disport grand banked against it. So Law cutting into that to see if there we any autronce under the chips. be commer succeed in finding any outrance on the top, so far. It was st in a gap in the brich work at this N. can that we found the Cople bress lamp, foride Lectore a sketch.

There are many other cuttings & wells being cleared. A great mastaba near the pyramid we have cleared on the N· end & find the brick face to descend some 10 ft below the ch mass of chips & gravel banked against it. So I am cutting into that to see if there be any entrance under the chips. We cannot succeed in finding any entrance on the top, so far.

It was at in a gap in the brickwork at this N· end that we found the Coptic brass lamp, of which I enclose a sketch.

2/3 [₹]

At the graning the great alexande on the the walls ofthe causeway leading up to the pyramid, + have traced nearly all of the enclosure wall ofthe payment. The benting on the south side is still a puzzle. to find large blocks fit, but under 12-14 feet of clips. There what week tour, having visitors to Than now taken an lever. Huysleep to write the 20 no more now. Jam all day long numing about todaing after very 70 that a visit from gw. bourner who was a list of him? Is words in America. Hers Petric. 8. Crescust R. Bramly, Kint

At the pyramid the great clearance on the east side is going down still. We found the walls of the causeway leading up to the pyramid, & have traced nearly all of the enclosure wall of the pyramid. The building on the south side is still a puzzle. We find large blocks of it, but under 12–14 feet of chips.

I have not had much time, having visitors, & I have now taken an hour off my sleep to write this, so no more now. I am all day long running about looking after my 70 men & boys.

I had a visit from M^r Warner who was a host of Miss Edwards in America.

Letters & papers came, & Pal. Note book.

M^{rs} Petrie, 8. Crescent R^d Bromley, Kent –

1-7, Feb. 1891 Wasta wells here seen design to redicule the Explorer. After clearing out one which was quite undpend, + finding nothing water in it, I tried, & grow author well in de same meestate, also unpened; but this again had no interment though then were some objects. The bottom optimiselle had a heap of britain bride x dif sterom in, up to the level of the chamber roof; on that was placed a rush mat, for that long four alabaster bouch (too broken) too red forting sinker (bother), a bundle of 50 flint flakes tied round with rush, + 57 sturs lying about : some offer needles, & three delle, one with blue paint. Her flints are all findly placed side the side without any sign of hafting! the the bowls were wrabbed up in clother. There now found a trind well in that mastata, Mich has been

XIII Wasta – 1-7. Feb. 1891 –

The tomb wells here seem designed to ridicule the explorer. After clearing out one which was quite unopened, & finding nothing whatever in it, I tried, & got on another well in the same mastaba, also unopened; but this again had no interment, though there were some objects. The bottom of the well had a heap pf broken brick & chips thrown in, up to cha/<the> level of the chamber roof; on that was placed a rush mat, & on that lay four alabaster bowls (two broken) two red pottery dishes (broken), a bundle of 50 flint flakes tied round with rush, & 57 others lying about: some copper needles, & three shells, one with blue paint. The flints are 「₹] side all finely flaked thus without any sign of hafting. All the bowls were wrapped up

in cloths. I have now found a third well in that mastaba, which has been

plunders, but which Law respensing. Another unspend will in a different region, provid to contain a Cataburial, about XXII sprenty, with a few beats to a boken miseror ground down. Atthe proposed the great out into the east in continues, & Shipe 5 neach the bottom in 10 days or so. It is the only chance appearently of finding the kings name. Luowhaye each end of all the joursides of the pyramid. sistemetly exposed; so dean survey it shortly. outh south inde ofther pyramid I now think there was a tout within the peribolos wall His comoto from that. Under 15 feet of chips + big blocks thave found a great Squere space such in the rock,

plundered, but which I am reopening.

Another unopened well, in a different region, proved to contain a late burial, about XXII dynasty, with a few beads & a broken mirror ground down.

At the pyramid the great cut into the east side continues, & I hope to reach the bottom in 10 days or so. It is the only chance apparently of finding the king's name. I now have each end of all the four sides of the pyramid distinctly exposed; so I can survey it shortly.

On the south side of the pyramid I now think there was a tomb within the peribolos wall, & disconnected from that. Under 15 feet of chips & big blocks I have found a great square space sunk in the rock,

far below the pyramid pavement, & with fine stone masonry by it. When we get down into this we shall see whether it is a tomb well as I suppose. Or it may possibly be connected with the pyramid itself.

We found a painted recess with traces of some scenes on it, which I am making a coloured copy of as time permits.

Many other points about this place, I am clearing & examining, & I hope we may score some prize for all this labour.

I have written to four people already to night, so I must finish. I shall have time for writing more now, as Mr Bliss has left to day. He made good use of his time while here, & has

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started as well set up as possible, I think, from a month's study.

Letters & papers received. I hope to answer A·B·E· shortly. Palestine wages book came, & I gave Bliss the names of the workmen.

It is satisfactory to find that I am paying less than any one else for labour. The Fund payed to Jaillan $60 \, \text{cent}^{\underline{m}} = 95 \, \text{sparas per metre} \times 60 \, \text{contracts used to be} = 60 \, \text{Now they are from} \qquad 50 \, \text{to} \, 40 \, \text{And I pay from} \qquad 30 \, \text{to} \, 20 \, \text{according to the hardness, or} \, 1\frac{1}{2}^d \, \text{to} \, 1^d \, \text{per cubic syards}.$

Col. Ross who was over here yesterday was astonished at the amount done <u>per</u> man, & chuckled over cutting down the government terms. As 1 para on the metre means £10,000 a year <to government> a minute change of rate is very important. Not withstanding the low rate, my men are many of them earning double the ordinary day wages, they work so hard –

7cb.8-14. 1891. Atlast, meden has XIV broken its silence, + there is something , broite about this week. Firstly we Similar find of about 3/3 the amount, on the hillocks of west diffs, except by trending. Mulespre lot has a deeplange well beside it, unspend, of this we are Mainting, that I may not have mention

[Page also numbered 1.]

XIV Feb. 8-14. 1891.

At last, Medum has broken its silence, & there is something to write about this week. Firstly we found a deposit of pottery of IVth dyn; I say confidently IVth, because it is like the pottery of Gizeh, & unlike that of the XIIth or later times. There were about two dozen large bowls & dishes of fine smooth red pottery with polished rouge facing, three unbroken, & the rest broken anciently, but al nearly all there. Then we had a similar find of about 3/3 the amount. Both < Each > of these lots were in a small well adjacent to a burial well; & in the body of ruined mastabas, built of pyramid builders' rubbish, & entirely degraded by denudation, so as to be untraceable on the hillocks of waste chips, except by trenching. The <well of the> larger lot had/<s> a deep large well beside it, unopened, & this we are now clearing out.

These mastabas are east of the pyramid on the edge of the plateau of pyramid builders' rubbish, spread out around the pyramid, overlooking the valley. Among these is a small chamber with remains of painting, that I may not have mentioned

before. It belongs to a greatman, Now was D&J, PA car named Neferure \$ \$ 3 ; butthere seems to be a trace of a small sign after to, putafi a similar scenes are valuable as being so early, but are in very bod state, on must planter. Lam Appring in full size Nouvest Facsimily.

Newcor Lean get a spare how for it.

There is honvesting (by tearing It, not cuttere) tiping it cutting), fishing with nets, bird catching, + grand open in body clothes. Then in a small medate mostly denied.) stone panel. Ithe pulse door fallen & buried. It is fordryd relative Hekenen, Swin seates, with a servant bearing a basket on her hear before him. JEDERSE STATE OF THE STATE OF T It is very simple in style, that finds some. The reversed I is peculiar. A situation

before. It belonged to a great man, who was [], named Neferure []; but there seems to be a trace of a small sign after [], perhaps a similar name elsewhere may clear it up. The scenes are valuable as being so early, but are in very bad state, on mud plaster. I am copying in full size coloured facsimile, whenever I can get a spare hour for it. There is harvesting (by tearing off, not cutting), fishing with nets, bird catching, & grand oxen in body cloths.

Then in a small mastaba mostly denuded away, like so many here, we found the stone panel of the false door fallen & buried. It is for <a> royal relative Hekenen, who is seated, with a servant bearing a basket on her head before him.

[R Figure / seated

Bearer

It is very simple in style, & not finely done. The reversed [\Re] is peculiar. A circular

The pramid work has gove on with some interruption by high winds, which brought own sich slowers of chips + statt from thisteely cut face (which is very loose) that hoas blight to stop work on the inversibe. be lit on the sloping casing, I saw that they that you wall enough in for it. They at the with ofthe promed for there appears the side fan fen court, to great stela or belish, standing-perfect in it. This is a great find, as it is guit un attached, I even the original top offing of the wall complete. The arrangement Jeanstyl see Marsia an inscription on this societe, but there is on Rabiteps pair At present my work only reveals the part end of the preat fit, forty feet high of disp statt before from see the whole

[Page also numbered 3.]

The pyramid work has gone on with some interruption by high winds, which brought down such showers of chips & stuff from the steep cut face (which is very loose) that I was obliged to stop work on the inner side. We hit on the sloping casing, & saw that I had gone well enough in for it. Then at the middle of the pyramid face there appears the side of an open court, & a great stela or obelisk <over 13 ft high> standing - perfect - in it.

A stela obelisks, thus [🕅]

I cannot yet see if there is an inscription on this obelisk, but there is on Rahotep's pair At present my work only reveals the parts }A; and I must cut away more of the end of the great pit, forty feet high of chip stuff before I can see the whole

court, the this relief, and the false door which ought to exist. There being no ther shrine or temple, the arrangement being just like Rahtty of anywhere, probably for within the interest coals of the promise. Still ! hope to find the name externally; and the astonishing preservature of the wall guite perfect, of the stella, shows that the place was venerated until it was wiend of safe from & were This result fully justifies my big untertaking. The cut was all or witting, Junest so about \$ 20 growk, (bray worter I an spal value of time of care) , timake a who big snough to hold three good sized houses, or else d. nothing. Now Slife. we shall really solve medium; I we have in any case a most interesting traheable price of the history of promis development from the mastale ; just what I outlind ogean ago.

court, & the other obelisk, <u>and the false door</u> which ought to exist.

There being no other shrine or temple, & the arrangement being just like Rahotep's, outside we may pleasingly dream of a decorated chamber, statue, &c; but, if anywhere, probably far <with>in the internal coats of the pyramid. Still I hope to find the name externally; and the astonishing preservation of the wall quite perfect, & the stela, shews that the place was venerated until it was covered up safe from d mere quarrying & smashing.

This result fully justifies my big undertaking. The cut was all or nothing. I must do about £20 of work, (to say nothing of an equal value of time & care), & make a hole big enough to hold three good sized houses, or else do nothing. Now I hope we shall really solve Medūm; & we have in any case a most interesting & valuable piece of the history of pyramid development from the mastaba; just what I outlined 8 years ago.

In the chips over the court was found a vitte wooden box with paints in with , Se 11/1/1/10 1= F. L. A. = \$ en Afor Thos possely Bakerai Lit was a wax figure 5 /4 in high with com fuffer lyth, osives?. It was all boken up, & the arms of the june lost in of loose stones & said, where withing small was expected, from a tolor a bad chance. It bother as if thering were still made about thrine, even ofter it was choked with nuthing. We may find others! This took not book time early; I should have thought XXI-XXV of, bibit was the date of the mobile in x x 11 specky the bank of chifes. Amongst other things these have proved that the clear gellors glass ring bead? @ are of xx11 period. Isnspector as they often occurred at

Illabur, but absolutely dato before.

[Page also numbered 5.]

XIV <u>8-14 Feb 91</u>

In the chips over the court was found a little wooden box with painted inscription almost illegible, lid [\Re] side [\Re] side [\Re] possibly Bak-ra-i

In it was a wax figure 51/4 ins high with crown of upper Egypt, Osiris?. It was all broken up, & the arms of the figure lost in the digging; for being amongst a mass of loose stones & sand, where nothing small was expected, of course it stood a bad chance. It looks as if offerings were still made at the shrine, even after it was choked with rubbish. We may find others! This does not look to me early; I should have thought XXI–XXV dyn, but it was rather low down for that age, as we have the date of the rubbish in XXII dyn. by many mummies buried with beads in the bank of chips. Amongst other things these have proved that the clear yellow glass ring beads [₹] are of XXII period. I suspected <this> as they often occurred at Illahun, but not absolutely dated before.

on the south of the grand, him conclude that there was a large chamber below the zoous Tevel; + gitter under the parament, or polales under a small pyramid. Tharty tund it worth spending \$ 10 on clearing all the avea, in beeit has been so ulterly cleared away. We find the edge of a pit in the rock, out of which comen bit ofbuilt stone has been stripped, my tota base fit which wi have chared part of. Ait is under 25 feet of hand bed feliles of bound of grapsium, & big blocks of stone, it is not a tempting matter to go further. In rock passay, seems to have les from a will outsile of the building into the chamber below On the desertable of the pyramin stood a line of tombs, perhaps with above grown building but Law wheestown. There are 5 or 6 of the shabout 1/4 mile from the pyramid; tone we have cleared has a well World descending

On the south of the pyramid, I now conclude that there was a large chamber below the ground level; & either under the pavement, or perhaps under a small pyramid. I hardly think it worth spending £10 on clearing all the area, as I see it has been so utterly cleared away. We find the edge of a pit in the rock, out of which every bit of built stone has been stripped, down to the base of it which we have cleared part of. As it is under 25 feet of hard beds of chips g bound by gypsum, & big blocks of stone, it is not a tempting matter to go further. The rock passage seems to have led from a well outside of the building into the chamber below the surface.

On the desert side of the pyramid stood a line of tombs, perhaps with above ground building but I am not certain. There are 5 or 6 of them at about ¼ mile from the pyramid; & one we have cleared has a well of brick descending

as those they taid out a building such as a mastata, & probably a promise ales.

[Page also numbered 7.]

against a breastwork of large stones; the section being thus $[\Re]$

[₹] brick & earth

[\Re] stone

recess chamber passage

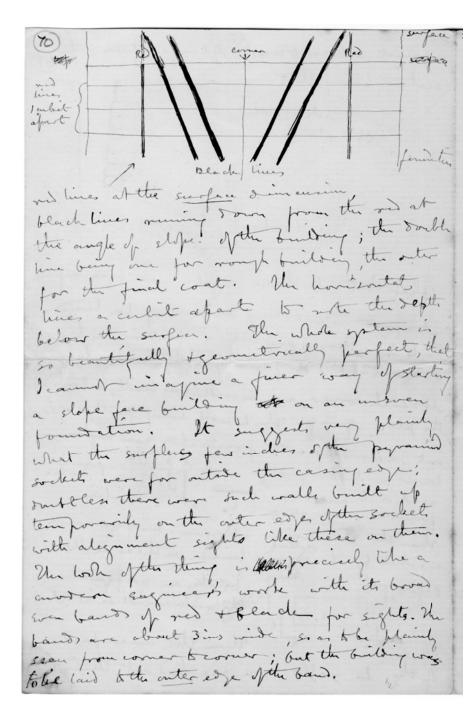
I fear that all these wells have been rifled.

A most interesting discovery has turned up as to how they laid out a building such as a mastaba, & probably a pyramid also. At each corner, an L wall was built, outside of the plan [\Re] The L wall being further or less out, according as the foundation was higher or lower or higher; e.g. [\Re] at A or B according as $\mathop{\rm ground}$ A B $\mathop{\rm ground}$ foundation was at $\mathop{\rm a}$ or $\mathop{\rm b}$. b $\mathop{\rm surface}$ a section

Then the dimensions at ground surface were marked by broad <vertical> red lines on these walls.

e.g. [
$$\widehat{\mathbb{R}}$$
] R R to take an exaggeration R R the red lines will be at RR

R R R Then the inner faces of the L walls are marked out thus: –



red lines at the surface dimension, black lines running down from the red at the angle of slope of the building; the double line being one for rough building, the outer for the final coat. The horizontal lines a cubit apart to note the depth below the surface. The whole system is so beautifully & geometrically perfect, that I cannot imagine a finer way of starting a slope face building at on an uneven foundation. It suggests very plainly what the surplus few inches of the pyramid sockets were for outside the casing edge: doubtless there were such walls built up temporarily on the outer edges of the sockets with alignment sights like these on them. The look of the thing is **xx[?] precisely like a modern engineer's work with its broad even bands of red & black for sights. The bands are about 3 ins wide, so as to be plainly seen from corner to corner; but the building was to be laid to the outer edge of the band.

[Page also numbered 9.]

XIV

A lot of my men are all called off to go home to be inspected for the register of future recruits; from boyhood, about 10 y^{IS} old, every boy & lad is periodically inspected, & a register of all sound ones kept, from which recruits are to be drawn in future.

A good deal is brought over from the Fayum & from Lahun, for me to buy. I have bought about £15 worth of beads lately; to day alone I bought over 2 lbs weight of fine glass beads of Coptic times, & over ½ lb of small carnelian beads <of XVIII dyn>, & s[?] ½ gross of carnelian & glazed earrings. The son of the big wig of the district - a Coptic Bey - was sitting by, & astonished at my giving £6 for two lumps of beads. My object is now to make up a great standard collection of dated beads; type specimens, & strings of all the more usual varieties. This will be the basis for the paper that I am to do for the Antiquaries. Of course, now I can date all I see – or nearly so – from my past diggings, & thus give a definite value historically to all

Abot for men are all called of by have ble in spector for the regester of future recruits; from boy hood, about 10 pr sw, every boy than is percolally in efector, to regular of all some one, kept, from which recounts are to be it god deal is brought one from captie times of fine glass beads of camelian beads of the gross of camelian + glased carrings. The son Atte biging Aptu destrict - a Captio Bay £ 6 for two lemps fleads. hey object is was to make up a great standard Wheelen politio beads; the sprimers, + string of all the more usual varieties. This will bether basis for the paper that Jam to do for the Integraries. Openiese, now I can date all I see for nearly so from my past daggings + this give a definite value instorically to all

that Ibny. Ialso gor two ordere good bronze dishes of XVIII. dyn; & a great White bow saw down 2's feet long; the blade broken in two, but the worden and perfect Thear also of a large chipper the had; is I] shall get some items for my history oftools Thankalso bought a large quantity of after textiles again, none remarkable; & Papers sletters were July received; last acard of Feb 2. fill send a list of should go & De grant in any case. I hope the Fruit will send to the folly in Palesting Mrs Petric. 8- Crescent R-Brunky, Kents

that I buy. I also got two or three good bronze dishes of XVIII. dyn; & a great Coptic bow saw [about over 2½ feet long; the blade broken in two, but the wooden arch perfect. I hear also of a large chopper to be had; so I shall get some items for my history of tools. I have also bought a large quantity of Coptic textiles again, none remarkable; & some early Arabic letters on papyrus.

Papers & letters were duly received; last a card of Feb 2. I will send a list of recipients for Tell Hesy volumes; but one should go to D^r Grant in any case. I hope the Fund will send to the folks in Palestine.

M^{IS} Petrie, 8. Crescent R^d Bromley, Kent – mention this week. At the promise we are cutting away the frest subbish 73 healp over the court; but it is a fortinglet before we can get down to that level. Ispecially as two windy Jays have brought drown hundred of tous fetalt into the work from the face of the cutting. It was an awful sight the in it arthur time; no one could work; clouds of said marly hid the whole place & blinded the reger; a courtaint clatter of falling chips from the high face, so or 60 feet cut sheer Jours; + broken continually by the smarking fall of great blocks, up to Some tous in weight. However Isom the havenent found just before the of so Islall wheel tomove much of all the villevier of fallen stuff. In the toutes there is more sidence that wenting good was plendant here in serly

XV. 14-21. Feb. 1891.

There is very little to mention this week. At the pyramid we are cutting away the great rubbish heap over the court; but it will be a fortnight before we can get down to that level. Especially as two windy days have brought down hundreds of tons of stuff into the work from the face of the cutting. It was an awful sight to be in it at the time; no one could work; clouds of sand nearly hid the whole place & blinded the eyes; a constant clatter of falling chips from the high face, 50 or 60 feet cut sheer down; & broken continually by the smashing fall of great blocks, up to some tons in weight. However I saw the pavement found just before this, & so I shall not need to move much of all this wilderness of fallen stuff.

In the tombs there is more evidence that everything good was plundered here in early

times, Suit they had plans or knew Exactly There to chambers were, & which wells contained burils , thick were blank. In some poor wells, Than got a good We of 14th dipo potting; & thave secured 4 complete shelstons, which will be very valuable to I traine whatter Earliest ofpused type of lyption is, before later Duistures. There begun to demin some men, A medica my work while I do the doys in 3 amonths. I am not will. me by an ubberdess lopt here. Isoblind to him about the siches of forward Springs being turies, the about said that was what they state I is, When a big mon was buried they put sides of wash- forts of traps with him in the grave. So Long go the sod customs best here. Litters of papers received from to the 5th. Huar that B' Hulst is absorbed inspector from went for where Egyph. It is excellent not there a grabout ite.

times, while they had plans & knew exactly where the chambers were, & which wells contained burials, & which were blank.

In some poor wells, I have got a good lot of IVth dyn. pottery; & I have secured 4 complete skeletons, which will be very valuable to determine what the earliest & purest type of Egyptian is, before later admixtures.

I have begun to dismiss some men, & reduce my work while I do the surveying, before I leave. <Only 2 <u>fine</u> days in 3 months – I am not well.>

A most interesting remark was made to me by an upper class Copt here. I explained to him about the dishes of funeral offerings being buried, & he at once said that was what they <u>still</u> did. When a big man was buried they put dishes & wash-pots & traps with him in the grave. So long do the old customs last here.

Letters & papers received down to the 5th. I hear that D'Hulst is appointed inspector of monuments for Upper Egypt. It is excellent not to have a Grebaut-ite.

22-28. Feb. 1891 - This week has been almost autendy a matter of pyramid work. The cut som tolear the court poblestes bring a long affair. Especially so owing to the large amount of big blocks in the rubbich. For a day to half we have I am nothing but not suray blocker that required the whole game, I shave has to be there to other this auten wouldy. There were a Josen ortweily blocks of 20x 3 tous each, 4 50 ar 60 lesser, all total clear from below. Low very glant than, asother part pretty well some without an accidents, for tilting about vlifting such masses from who trained tit is risky, of by tames would have gone like match would If there has been folsewores. We have Il for of with plenty of scratches to few bruses of aches, which Thave a full short as Than John work. That court Sharty hope toget cleared withen another week! . As to other parts there almost closed work, The well of Negert is state being cleaned; it

XVI 22-28. Feb. 1891 -

This week has been almost entirely a matter of pyramid work. The cut down to clear the court & obelisks being a long affair. Especially so owing to the large amount of big blocks in the rubbish. For a day & a half we have done nothing but roll away blocks that required the whole gang, & I have had to be there & attend to it continuously. There were a dozen or twenty blocks of 2 or 3 tons each, & 50 or 60 lesser, all to be got clean out of the way before we can clear down below. I am very glad to have got this part pretty well done without any accidents, for tilting about & lifting such masses by men not trained to it is risky, & legs & arms would have gone like matchwood if there had been false moves. We have all got off with plenty of scratches & a few bruises & aches, of which I have a full share as I have of the work. That court I hardly hope to get cleared within another week.

As to other parts I have almost closed work. The well of Nefert is still being cleared; it

has been plundered, & Strond open for ages so Ido not ropect to find anything in it; but is very deep going who the rock, Inor the Rahoteles will in the Same marlaber, built on the ground. Than dured some more Early tout with sheleton which thave before sution. These sheletons of the 1vth gr. will be very valuable, Ithink to shew auxtures. He forcheads are low t reducating. There sheldows are wh laid out long way the later bosces, but all with bent bene to bring an leftible, facing E, head N. I with lower arm strayet som under beg, t. right arm beat. This is a negulation positione, + I presume it was the traditional mode Mourial in Ryth, before unmifying was introduced. One boy has lost the left ley from the line Then; the bones were excellently preserved, &

has been plundered, & stood open for ages so I do not expect to find anything in it; but it is very deep going into the rock, & not like Rahotep's well, in the same mastaba, built on the ground.

I have cleared some more early tombs with skeletons which I have kept entire. These skeletons of the IVth dyn. will be very valuable, I think, to shew what the Egyptian was before later mixtures. The foreheads are low & retreating. Mos These skeletons are not laid out long ways like later bodies, but all with bent knees [₹] & lying on left side, facing E, head N., with lower arm straight down under legs, & right arm bent. This is a regulation position, & I presume it was the traditional mode of burial in Egypt, before mummifying was introduced. One body had lost the left leg from the knee down; the bones were excellently preserved, &

in a box, so there could be no mistate about it . Insteed that the buce cap of the other leg was unumally developed, before seeing that it was the only one; so -the wing was probably seedy, but there is no absorption of the end of the thigh. Thear that the French are faring at the Dea of D'Halst being appointed inspector. Nor only must it not be an English man, but us independant birty, for feer of Exposing the search of the french admin trateon. The French Coursel has bulled Riaz so that R. has gone to his country bonne. I headhally has the indeceding to with to Naville to withdraw N's testimonal & Tomat & Hulsts abilities!! meanwhile grabant has not rendered any account for 3 years, trothing Whe am Explanation

in a box, so there could be no mistake about it. I noticed that the kneecap of the other leg was unusually developed, before seeing that it was the only one; so the injury was probably early, but there is no absorption of the end of the thigh.

I hear that the French are furious at <X> the idea of D'Hulst being appointed inspector. Not only must it not be an Englishman, but no independant party, for fear of exposing the scandals of the French administration. The French Consul has bullied Riaz so that R. has gone to his country house: & he actually had the indecency to write to Naville to withdraw N's testimonial to Count D'Hulst's abilities!! Meanwhile Grebaut has not rendered any accounts for 3 years, & nothing like an explanation

flow the money har gone can be gor from him. He downands pay t 70 new guard, & count more than 8 saxing accountant appointed, bother in law of mashers, bothe count make out any accounts, I say the Augeon stable is such that became do withing to clear it. No wonder the that with make murdile of men to French want to prevent anyone getting a nose into it. grébant telegraphes form Assuan that he could not recognise any rich secision in that ofthe Commil friendless on antiquities & digging. Pretty for an Hicial to refuse tobey a ministry ! Shave all this on good authority. If the Righing Hicials were not so supine + Sweet of this confusion, Isopect. The had Count will go any length to keep things

of how the money has gone can be got from him <see xix.3.>. He demands pay for 70 new guards, & cannot name more than 8. <see xix.2> An accountant was appointed, brother in law of Maspero, but he cannot make out any accounts, & says the Augean stable is such that he can do nothing to clear it. No wonder that that with such muddle & mess the French want to prevent anyone getting a nose into it.

Grébaut telegraphed from Assuan that he <u>could not recognise</u> any such decision as that of the Council of Ministers on antiquities & digging. Pretty for an official to refuse to obey a ministry! I have all this on good authority. If the English officials were not so supine & ignorant, there would be a clean sweep of this confusion, I expect. The French Consul will go <u>any length to keep things in French hands</u>.

Mrs Petrie, <u>8. Cres^t R^d Bromley,</u> Kent –

- 1-7 march. 1891 1 Mu work has gone on XIII and as before. The wind has cost us and there courses, (1) To drance it, xty to this Law Dring. (2) 20 clear away staft back the promis stope who by the falls are incernant with feement the Jace of the work with a west feement the Jack of the John out the sand blowing out. I sweet the stand that that worth the sleep of sofeence.

XVII 1-7 March. 1891.

The work has gone on much as before. The wind has cost us nearly double labour at the pyramid. A single hour's gale will bring down what takes two or three days to clear away. The other afternoon, I was standing in the work, & watching; the wind rose enough to bring the stones down trickling, & at last a great mass of one side came off all in a lump, about 20 ft high, 30 wide, & 5 thick. The dust was awful; but I knew there was only one man under the place, & I saw him dash back with me & the rest, so there was no harm beyond two or three days more work to clear it all away again. Any hour a gale may do as much damage again. There are three courses, (1) To chance it, & try to get the court clear before a high wind; this I am doing. (2) To clear away all the stuff back to the pyramid slope [R] В A-B which is only what I shall come hole A to if the falls are incessant before I can finish the hole. (3) To coat the face of the work with a wash of cement syringed on, to prevent the sand blowing out between the stones: but I hardly think that worth the delay & expence.

overthe court of found the top of the fellow obelish on stela. We top of the jet ofthe works is now 60 ft above the parement, away to the recession by falls. to depend a tomb which hasther doorway closed; but how been reclosed after pileaging, & Hound the middle for beautiful alabaster stand with allthe exactly the form of the deart slaw for in Cairo 2 years ago, that it frelly will Jates that to 10. Dyn. Le one ofthe largest marlabas, where Jeanne Jim my well, thave cleaned an it is too rangerous to continue, so am now cutting I on an off ofen cutting breach the chamber, Whis is already about 30 ft deep therough hand clips, that dast Sunday, that over Hewalts assistant me Killop, & the Junday before, Howat. He is now making a prest set poster gut,

We have now got down to 2^{nd} 7/<8>ft over the court, & found the top of the fellow obelisk or stela. The top of the pit of the work is now 60 ft above the pavement, owing to the recession by falls.

₩ I opened a tomb which had the doorway closed; but it had been reclosed <u>after</u> pillaging, & I found the middle of a beautiful alabaster stand with all the edge broken off left I hope we may find the pieces. [It is so exactly the form of the diorite stand I got in Cairo 2 years ago, that it pretty well dates that to IV. dyn.

In one of the largest mastabas, where I cannot find any well, I have cleared an old forced tunnel for a long way; but it # is too dangerous to continue, so I am now cutting down an opf open cutting to reach the chamber. This is already about 30 feet deep through hard chips, & not down to masonry yet.

Last Sunday, I had over Hewat's assistant Mc Killop, & the Sunday before, Hewat. He is now making a great set of water gates

at waster. Wen a 4th Had Lieut. 81) Lyons an action young geologist & autigrarian, who makes expeditions & survey on his own saccount. To day 6th that her. 9.7. Tuckett of Islamit fame, min Estrands' friend, with her much interests in the settings of the mastaba by diagrams on the corner walls. It seems to "fetch" every body Dro sees it, the Jean so neat well carried out. hispectorship is being both curred out. W. Sahir bury han to settle it, whether is ble left to the mend. guide to the party. theer from hr. Bliss that he has gor Dyrusalem, & is slipper by a fall of several inches of suon! The Effault turner up, anxious byo, + has had to take

at Wasta. Then on 4th I had Lieut. Lyons <R·E·> an active young geologist & antiquarian, who makes expeditions & surveys on his own account. To day (6th) I had Mr F.F. Tuckett of Dolomite fame, Miss Edwards' friend, with Mr Hudd an antiquary, a relation, & Mr Gibson. All of these visitors have been much interested in the setting <out> of the mastaba by diagrams on the corner walls. It seems to "fetch" every body who sees it, the idea is so neat & well carried out.

I hear that the battle about the Inspectorship is being hotly carried out. L^d Salisbury has to settle it, whether D'Hulst is to be put in, or whether it is to be left to the French.

Old Ali from Gizeh came over to day as guide to the party.

I hear from M^I Bliss that he has got to Jerusalem, & is stopped by a fall of several inches of snow! The Effendi turned up, anxious to go, & has had to take

13 Naps in Last year after that left. Law now only stoffing toget the promend tate fortight or dere weeks, or more if there is a bigh wind. The letters, answering to this can come to waster, nest week I will say whether & there or lairs. Hear for garder that he will hear Athen from 25 march, so Ishall find him then There. Letter red to 25 Teles Mrs Retrie 8. Cresent Road, Brumly, Kint

13 Naps, instead of the 18¾ which M^I Moore weakly gave in to, last year after I had left.

I am now only stopping to get the pyramid done, & make my survey; which may take a fortnight or three weeks, or more if there is a high wind. The letters answering to this can come to Wasta: next week I will say whether to there or Cairo. I hear from Gardner that he will be at Athens from 25th March, so I shall find him there I hope.

Letters recd to 25 Feb.

M^{rs} Petrie 8. Crescent Road, Bromley, Kent.

XVIII. <u>8-14 Mar. 1891</u>.

During the beginning of the week, we were clearing down in the court of the pyramid: and I was much puzzled not to find any entrance <to the court>, but only large slabs of stone on the top of the front wall. But by the 11th we reached an entrance beneath the slabs, & then I saw that these slabs were the roofing of a chamber. Crawling in, I found a chamber quite complete, not a stone missing; & adjoining it a passage parallel to it. The plan is thus

	56					
	92.0		75.5	42.5	45.2	
	obelisk	40	chamber	33.7		
pyramid to 43				passage		
court	altar	61.0	237.2	237.4	237.2	236.4
		39.4				
	obelisk	to 42.0				

entrance 34.1 48.0 58.1

The entrance was blocked with stone, outside yourid is a great defith of rubbish, up to 12 lines. All seem flike perio several are dates to Talutures 111, Ame mentions of Somefere the predecessor sence. Now we see that the history the light of the sutrance it is plane the

The entrance was blocked with stones, outside of which is a great depth of rubbish, which we are now clearing to examine the face of the temple. Near the entrance are about 20 hieratic graffiti, mostly one or two lines, but some long ones up to 12 lines. All seem of like period, & several are dated to Tahutmes III, Amenhotep III. & Seti I. And in them are four mentions of Seneferu, the predecessor of Khufu, to whom this pyramid had been attributed <in modern times,> though without direct evidence. Now we see that the history known to the XVIII dynasty connected it with his name. From all these being within the light of the entrance it is plain that the entrance was open in the XVIII dyn, & was much frequented, by the polish of rubbing on the walls. The court was then blocked however, as there are no <XVIIIth> graffiti in the chamber, & the doorway of the court is much smoked by visitors holding burning papyrus there, to look at the farthest they could see: their burnt papyrus strewed the ground inside. But in the XII dyn the court was still open, as two scrawls of that age are in the chamber facing the court. There is no false doorway on the side of the pyramid.

The chamber thassay has about 2 feet paid in them. We have cleared the turned basalt, with perforations.

The chambers & passage had about 2 feet of sand in them. We have cleared the chamber & find that the floor had been all removed, probably in search of a well. The ground now is the desert pebble foundation. In the court are the two obelisks with rounded tops, $[\mbox{\ensuremath{\pi}}]$ 13 ft 9 high, rising far above $41 \times 20 \%$ the roof of the chamber. They are 1 cubit thick, 2 wide, & 8 high. They stand on shallow bases with pyramidal sides; $[\mbox{\ensuremath{\pi}}]$ and between

them is a flat slab of the form of an altar of offerings, with a spout projection & deep worn groove in it. But it bears no carving nor inscription, so I think it was for a carved altar to stand upon, which is now lost. The very deep worn groove I should be inclined to attribute to offerings of sour wine dissolving the limestone. In the court was the lower part of a stand of [R] turned basalt, with perforations.

The stone dressing is rather rough, & there is no great accuracy about it. Small as the building is, those a fee chamber, + court, it is get most valuable. It is the stock known building in Egypt; it is the only early . temple guite complete; the only promised temple complete ; of the second temple become before the XVIII Tyrasty. moreo have now solved madein, bythese graffit. Thave had W. good year this nephers copter show for a sail , beide sur Rownsley of Keswick for a inglot. So I have utladed for company. Ile these Jolles have been greetly interested about the temple. Of course, Junest completely rebur out would be all destroy in a f rarage the pyramid unchecked. Juay be of before Bureles, + so after the arrives place address % or grant Bay Cairo. Branky, Unt.

The stone dressing is rather rough, & there is no great accuracy about it.

Small as this building is, two a passage, chamber, & court, it is yet most valuable. It is the oldest known building in Egypt; it is the only early temple quite complete; the only pyramid temple complete; & the second temple known before the XVIII dynasty. Moreover I have now solved Medum, by these graffiti.

I have had M^r Goodyear & his nephew here, for two days, & M^r Head Lane the Coptic scholar for a day <a night>, beside M^r Rawnsley of Keswick for a night. So I have not lacked for company. All these folks have been greatly interested about the temple. Of course, I must completely rebury it, or it would be all destroyed in a year or two by the stone breakers here, who ravage the pyramid unchecked.

I may be off before three weeks, & so after this arrives, please address % Dr Grant Bey, Cairo.

Mrs Petrie, Bromley, Kent -

a dedication to thate of

[Pages 87 to 89 were written by Anne Petrie, W. M. F. Petrie's mother.]

XIX. Copy - The original having been accidentally destroyed.

15-21 March, 1891 -

I will send a short journal, as it is late, & I have done a long account for the <u>Times</u>.

The clearing out of the temple is done. Several small rude stone hawks were found in it, (Senefru is always called the Hor Senefru, [\Re] in the graffiti,) & a base of broken figure, 5 x 3, with an interesting inscription.

It appears to be a dedication to Uati of the lake of Bubastis, to Khnumu & all the sons of Horus, who are the gods of a town called $\underline{\text{Tat snefru}}$, for the ka of Snefru Khati, born of ...mhotep. Tat snefru may be an early town, known as Tutnu [$\widehat{\mathbb{R}}$]. The determina==tion after Khnumu, of a bar or two forked supports [$\widehat{\mathbb{R}}$] seems to refer to the sense of joining or uniting in the word knum. It clears up the puzzle of the Khnumu Khufu Khufu cartouches. The $\underline{\text{ka}}$ name of Khufu is [$\widehat{\mathbb{R}}$]. This is again an object on two

supports; something that unites two pieces, I may very possebly read therefore Khnume is simply the Ra name written inthe care as was often done in early times. town the person both being named after Venefre shows how impos he was there -Jam still tring on two beg In one we have found in the a deep hale or well in the soil filled with brick & mud & heult over solid. on there seems to be no chamber have had the margins of Bath

supports; something that unites two pieces, & may very possibly read therefore Khnumu, the "uniter". Hence the Khumu in the cartouch<e> is simply the ka name written in the cartouche, as was often done in early times.

The town & the person both being named after Senefru shows how important he was there.

I am still trying on two big mastabas. In one we have found, in the centre, a deep hole or well in the soil, filled with brick & mud & built over solid.

What we shall find at the bottom is a puzzle, for there seems to be no chamber, or at least no well of access, for burial after <the> Mastaba was done.

I have had the Marquis of Bath & 2 daughters, & a D^I Drewitt here, a very pleasant fellow; also Naville & D'Hulst. N. looked over the inscriptions, much pleased with them, but had neither time, or inclination to verify all my copies.

Grébaut was told that if he would not give a list of his employés, no more salaries would be paid them. So he went notice.

notice.

notice.

those awful accounts, but gequietty

carried off all his accounts & official

papers with him or locked them up in

his house & nothing can be done.

What next?—

on to Assouan, & took not the least notice.

Artin was appointed to overhaul those awful accounts, but G. quietly carried off all his accounts & official papers with him, or locked them up in his house, & nothing can be done.

What next? –

Turn over.

Franc a letter -A grantly of Roman things 111-vit cart. A.D. are being plunder I out often min ormal the tapen, or they ving me the Tolls. two with they. Have go a big swall 9 in Jiam. + 22 for long, theread sy 450 west. There is no staduet, onlit afron unuse, I may have from the for the field orit unplane servis to force sparte timo and vorking out, turns in sports way. Then is an ign freat; the three is all hand well trustened. His is the first Roman serons Stewer. It is dearly for power, sult for , Jalso pran agricultual Tray, anish, tan in edge to it. und the principle of Nect is and wer. Also a longe bran water week, much The motion, only plug lost. Browly, Kut

From a letter -

A quantity of Roman things III-Vth cent. A.D. are being plundered out of the mounds round the Fayum, & they bring me the tools & woodwork & pottery. I have got a big screw <of wood> 9 ins diam. & $2\frac{1}{2}$ ft long, thread $\frac{1}{2}$ 45° [\Re] at edge. There is no attachment, but it appears unused, & may have been intended to be pier[c]ed with bar holes [?] or it may have served to force apart two nuts working on it, turned in opposite ways. There is no sign of wear; the thread is all hand cut & not turned. This is the first Roman screw I know. It is clearly for power, & not for a fastening. I also got an agricultural drag, [₹] with staples & rings to attach to animals, & an iron edge to it, iron edge much the principle of what is used now. Also a large brass water cock, much like modern, only plug lost.

> Mrs Petrie, 8. Crescent Road, Bromley, Kent.

From a letter -

[...] pay Griggs. I knew his bill w[ould] [be] heavy, but he had/<s> not done the w[ork] well.

Thanks for all the details about the bond. Palmer has not yet acknowledged it; if he does not in a day or two I must write to him. I quite know about the objection to Egyptians; but when the gov^t requires you to hand them £100 it is as well to get interest on it.

Pray let E·H·B· have Tel Hesy & Grk pot[?]. But I shall want most of that stock to send out. I cannot settle to whom till I get back & enquire of Pal. Com. & Hellenic as to who subscribe. I wish I had a copy of the Grk [po]t[?] out here, as I have not seen it; but it [...] send one to Dr Grant, & I can see it [if I have][?] not left.

XX 22-28, March, 91.

There is scarcely anything to mention this week, as I am merely winding up affairs. A few men are finishing off here & there, blocking up Rahotep's tomb, throwing down thousands of tons of pyramid rubbish to cover over the temple, (as otherwise it would be destroyed in a year) & I am surveying, &c. I must now begin to pack the little that has been found, & the quantity of stuff that I have bought from the Fayum.

Palmer has never acknowledged that Egyptian bond, which he should have received a fortnight ago. So I have written to ask about it. I was quite unaware that the government would require me to give security until I received my contract to sign. But as I had proposed it months ago, when it was violently opposed & rejected, I could not

object when they chose to require it 92 Ame. It is a more farce of any decent official would have said that personal meognizance was sworgh. But Palmer is not only grow andy aballula about antiquities, but petty in Gusiner also. There that Artin was appointed to audit frebants accounts, + f. made It with all his books to whole Rycker with him, so withing can be Isaclore a squere of the inscription for 7.2. g.; twill seed my whose of the fraktite, so soon as feet blairs to can register them there. Whas been hot for several day, over 1000, tom day Lintes the theman" it was 1070 in the shade. That all bust last night, + it has been blowing a damp north gale wer since. Mrs Petrie, & Cresent Ruas,

object when they chose to require it of me. It is a mere farce, & any decent official would have said that personal recognizance was enough. But Palmer is not only ignorantly apathetic about antiquities, but petty in business also. I hear that Artin was appointed to audit Grebaut's accounts, & G. made off with all his books to Upper Egypt with him, so nothing can be done.

I enclose a squeeze of the inscription for F.L.G.; & will send my copy/<ies> of the graffiti, so soon as I get to Cairo & can register them there.

It has been hot for several days. Over 100°, & one day I noted the thermom^r it was 107° in the shade. That all burst last night, & it has been blowing a damp north gale ever since.

Mrs Petrie, 8. Crescent Road, Bromley, Kent –

29 march - 4 April, 91. Finallied over to lisht breath place before deciding if believed ever work it. But is ceft the forment there is but little 500; and the promot frebant reserves, because mespers Day, clear, full worth wind, so that I went in my a cloth rap + never felt the There roughlyworked out the survey here. He results are particular. Un augh is the same as Khinfris, 57:56, 457°, 49, being the two best results that Igot. Soil is a TT-pyramid. Now Klunfus also autodies the ratio 7:22, as the height is 7 × 40 arbit, + base 11 × 40 entite. But this might be thought accidental. Here is the proof of its being the intention of the size: for Seneferni Manin is 7x25 white, + 11 x 25 audits. Just the same jornaigh but a different modeles. He sales very so inches or so, according to my present working out, but the average gives them a cubit of 20.67 inches. Le this cleaches the theory of TT proportion or the use of 7:22 ratio.

XXI. 29 March – 4 April, 91.

I walked over to Lisht, to see the place before deciding if I should ever work it. But except the pyramids there is but little to do; and the pyramids Grebaut reserves, because Maspero failed to clear them! It was a splendid day, clear, full north wind, so that I went in only a cloth cap & never felt the sun in the least.

I have roughly worked out the survey here. The results are particular. The angle is the same as Khufu's, 51°.56′, & 51°.49′, being the two best results that I got. So it is a π -pyramid. Now Khufu's also embodies the ratio 7:22, as the height is 7×40 cubits, & base 11 x 40 cubits. But this might be thought accidental. Here is the proof of its being the intention of the size: for Seneferu's pyramid is 7 x 25 cubits, & 11 x 25 cubits. Just the same principle but a different modulus. The sides vary 10 inches or so, according to my present working out, but the average gives thus a cubit of 20.67 inches. So this clenches the theory of π proportion & the use of 7:22 ratio. Mus Petrie
8 (resent P?
Branchy, That

M^{rs} Petrie 8 Crescent R^d Bromley, Kent.

ful moreover, it shows that Khufu in histo both ofthese dees from the and staba pyramin of his predecessor. Theories will have to precast a bit; though Isuppose withing will were be too tough for C.P.S. to explan away. Un level of the corner is very fair; corons being -2.0 +20 +2 +7, a average 1.4 ind Have now completely closed the promise, temple, the architector marks at the compen ofthe mastaba, Rabitelps tombe to, we are now clearing Nefermat's tomb, in which I have lived hitherto, & Low chying it bout by part, as it is deered. It is a mble fred of stone work, & back, two subes, + trus fronting blocks, all 11 ft ligh ! + 3'2 thind, + capted by one slab over the whole, 20 ft long , over of ft, x 32. ft, or weighing 40 tous. In the on under the rubbich offered a forced francy cut into

And moreover, it shews that Khufu inherited both of these ideas from the mastaba pyramid of his predecessor. Theories will have to be recast a bit; though I suppose nothing will ever be too tough for C·P·S· to explain away. The level of the corners is very fair; errors being -2·8 +2·0 +·2 +·7, or average 1·4 inch

I have now completely closed the pyramid temple, the architects' marks at the corners of the mastaba, Rahotep's tomb, &c. We are now clearing Nefermat's tomb, in which I have lived hitherto, & I am copying it part by part, as it is cleared. It is a noble piece of stone work; [\Re] a back, two sides, & two fronting blocks, all 11 ft high & $3\frac{1}{2}$ thick, & capped by one slab over the whole, 20 ft long, over 8 ft, x $3\frac{1}{2}$ ft, or weighing 40 tons. In the r Under the rubbish I found a forced passage cut into

the mastates, well made, about 6/8 x 395 running along the desect foundation, x though it is 75 ft long they never carried it up to the axis to forward nothing. I could sufficie any well or entrance on the top, soit looks as if this might be unspendiget. Thave no time now to begin a long speculation; but shall public turnel this mustake another year. Inthe rubbish, which it seems that mariette's men never cleans out, there is a large part of times still ; being bother, Ilulye I shall get it away. More to get away on Munday or Diday, just as Ramadan begins I see that "Leisure Hour" I'm publish ong haber in Feb; Ishould have been glad of see it, but ferhale ishall find it in Canisa, There the April receipt for the deposit ofthe bond, delayed by red-take,

the mastaba, well made, about 6 ft x 3 running along the desert foundation, & though it is 75 ft long they never carried it up to the axis & found nothing.

I could not find any well or entrance on the top, so it looks as if this might be unopened yet. I have no time now to begin a long speculation; but shall perhaps tunnel this mastaba another year.

In the rubbish, which it seems that Mariette's men never cleared out, there is a large part of a fine stela; being broken, I hope I shall get it away.

I have done most of the packing, & I hope to get away <to Cairo> on Thursday or Friday, just as Ramadan begins.

I see that "Leisure Hour" did publish my paper in Feb; I should have been glad to see it, but perhaps I shall find it in Cairo.

I have the official receipt for the deposit of the bond, delayed by red-tape.

12-19 April. My men stayed on into Ramadan to serve as grands while office her packing; keeping former of three boys forther. At last by the 14th that done + moved over to waste Lower a high letwind scloudy, when better than the clear still heat we had before. In the weing there was a provious sand storm of the wind went N. two col. Istage the night with Howat the kill of at wester; bothed over the great flood gales they have been building, bo arches orgates, then up & Cairo, to Do grants. Lagu swilbour have both just relieved; & I hundred with sayce, twisted Willow. Frehant las why it returned; me one known Mare he is on the Nile, as he never writes. So Brugsch went over my things, with reasonable expedition, + not taking week. The inscribed base of bufor that he spaned an alabaster derher, the only valuable things we had. I find that one of the queens of x xv 1 th you (? the mother of Nekau was buried with step from

XXII. <u>12-19 April</u>.

My men stayed on into Ramadan to serve as guards while I finished packing; keeping four men & three boys for this. At last by the 14th I had done, & moved over to Wasta. It was a high hot wind & cloudy, much better than the clear still heat we had before. In the evening there was a furious sandstorm & the wind went N. & was cool. I stayed the night with Hewat & McKillop at Wasta; looked over the great flood gates they have been building, 60 arches & gates; then up to Cairo, to Dr Grant's.

Sayce & Wilbour have both just returned, & I lunched with Sayce, & visited Wilbour.

Grébaut has not yet returned; no one knows where he is on the Nile, as he never writes. So Brugsch went over my things, with reasonable expedition, & not taking much. The inscribed base of Snefru khati he spared me, & did not take any of the frescoes nor alabaster dishes, the only valuable things we had.

I find that one of the queens of XXVIth dyn (? the mother of Nekau) was buried <near> at the step pyramid

of Sakkara; her touch were bother anciently of the trabs have save of the facest 2 and of the stones + sold them to me, I gave them to do frant. dwent to the promised one day, I took a lot opmormments, which Linclose. After consulting Sayce, my programme is they. Lean the 23 April. It steems 25 April to 15 may, addres To E. A. gorden Ly, British School of Archaelog, Athens. It Naples 19-29 may; addrew Postes Restantes there toward. Rome 29 may - 5 June. Horence 5-10 June. Brogna 10-16t. Return home 18 June, vir st. fothand. Lucy very formby wheel the Exactly. butit seems the most probable amongement approvent. At the frant & Jessie we all woll, trang bind. Sam to bunchwith him? grenfell, + talk over affairs. Shows much a proposal about the inspectorship to Sin Evelyn Baing & Sor C. unwith, which they deem will inclined to push on.

of Sakkara; her tomb was broken anciently & the Arabs have sawn off the faces <of 9> & sol of the stones, & sold them to me. I gave them to $D^{\text{\tiny L}}$ Grant.

I went to the pyramids one day, & took a lot of measurements, which I enclose.

After consulting Sayce, my programme is thus: Leave Alexa 23 April. At Athens 25 April to 15 May, address % E·A· Gardner Esq, British School of Archaeology, Athens. At Naples 19–29 May; address Postes Restantes there & onwards. Rome 29 May – 5 June. Florence 5–10 June. Bologna 10–16th. Return home 18 June, via St. Gothard. I may very possibly not keep this exactly, but it seems the most probable arrangement at present.

D^{<u>r</u>} & M^{<u>rs</u>} Grant & Jessie are all well, & very kind. I am to lunch with Sir F. Grenfell, & talk over affairs. I have made a proposal about the inspectorship to Sir Evelyn Baring & Sir C. Moncrieff, which they seem well inclined to push on.

19-27 April , 91. hir chas. Cookson tetyrefled 23. Dayce, forme to give a lecture in Alex 198 anyway through; so as he present it, Show to get a man & see to moving my boxes away from the Dunseum, which would not be done on hourage, is it is then closed. After some difficulty, Downtown ofthe American avision kindly agreed to get a man he knew to do it; so bleft the money thaters requisit with him. Lunched at the frenfell, or found the feneral guite read that who may proposal for pricing the monument. So Ilope something may be done thus. It Alex. I stayed with Cookson, Joing up Some diagrams in after, secturing a viva voce account, ofthe pears work in the twening, at the new Atheracement that is just started. A special meeting lad been called, at a day's wither, so that the attendance was below and about 30 or 40. Nest morning Lleft by Eleaner for Athens. We have fair weather, with not real rughers at · any time; but the second day I was

23. 19-27 April, 91.

Sir Chas. Cookson telegraphed to Sayce, for me to give a lecture in Alex. on my way through; so as he pressed it, I had to get a man to see to moving my boxes away from the Museum, which could not be done on Monday, as it is then closed. After some difficulty, D^r Watson, of the American Mission, kindly agreed to get a man he knew to do it; so I left the money & papers requisite with him. Lunched at the Grenfells', & found the General quite ready to take up my proposal for policing the monuments. So I hope something may be done thus.

At Alex. I stayed with Cookson, doing up some diagrams in aftⁿ, & lecturing a vivâ voce account of the year's work in the evening, at the new Athenaeum that is just started. A special meeting had been called, at a day's notice, so that the attendance was below usual, about 30 or 40. Next morning I left by steamer for Athens. We had fair weather, with not real roughness at any time; but the second day I was

unwarrantably bad. Un cause was that Theo been much apart unde when in Cairs probably owing to there being typing fever archipelago at all; but we landed at the Piracus in a cloubless day, x drove up smothered in dust to Allen, by first step was trall on the furthers. They live out at the Extreme out shirt, just under Lykabellos, which rises up in a spe sharp peak above the city. He was very amiable, I she love more So. In the afternoon he went over to the Polytechnikin, which contains the hykende allections, which we looked through. It introduced me other sinceton, who is very obliging to. Here is also a fine legybtion. exception, + vases, to. Then he w with me to the sweeter of govern huseums, too me an order for drawing, to. Sound at the found hers tweetwalter Leaf, whom Threw in hyland) Sam to go on the 20th with Leaf, down to Ingluence of Tiryus, a three days trip

unwarrantably bad. The cause was that I had been much upset inside, when in Cairo; probably owing to there being typhus fever at Bulak. I could not enjoy the archipelago at all; but we landed at P the Piraeus in a cloudless day, & drove up, smothered in dust, to Athens.

My first step was to call on the Gardners. They live out at the extreme outskirts, just under Lykabettos, which rises up in a sp sharp peak above the city. He was very amiable, & she even more so. In the afternoon he went over to the Polytechnikon, which contains the Mykenae collections, which we looked through, & discussed <He introduced me to the Director, who is very obliging>. There is also a fine Egyptian collection, & vases, &c. Then he went with me to the Director of Government Museums, & got me an order for drawing, &c. I dined at the Gardner's & met Walter Leaf, (whom I knew in England). I am to go on the 28th with Leaf, down to Mykenae & Tiryns, a three days trip.

He is going on to the Excavations at (00) ". megalopolis; but that would take me a good deal boyer, so Ishall not try it, but return from Nauplia. The russeums here will take me all my time, lowerth. The day's work has not nearly done one noon, for Training Juant, Fruites. As there are three Separate museums have my there weeks will not go far. At the same time Los morses why Ishould burry. Law not tied to any dates in Suffaird, there settled in avery recommendation, the weather is perfect at present, neither chilly at might now too hot to go about in the day; + so being here I begin to be vatter indefanite as to going away lev. Paskate, (some Tam of the Rallis), kindly left an invitation, Suich Junest post fore till I am back from mykenace. Apart from the vast interest fiverything her, Attens is a delyphtful place. The

He is going on to the excavations at Megalopolis; but that would take me a good deal longer, so I shall not try it, but return from Nauplia. The museums here will take me all my time, evidently. One day's work has not nearly done one room, for <the> drawings I want, & notes. As there are three separate museums here, my three weeks will not go far. At the same time I do not see why I should hurry. I am not tied to any dates in England; I have settled in a very reasonable hotel owing to Gardner's recommendation; the weather is perfect at present, neither chilly at night nor too hot to go about in the day; & so being here I begin to be rather indefinite as to going away. Mr Paspati, (son-in-law of the Rallis), kindly left an invitation, which I must post pone till I am back from Mykenae.

Apart from the vast interest of everything here, Athens is a delightful place. The