

Tuesday 14 Feb

Wednesday 14 Feb Found that I had fever again, as I suspected; for all¹⁵²
 last night was shivering, though under 5 blankets. So had Quinine again
 this morn. Up about 7. After breakfast out to Δ^1 walls, & went
 on surveying them all day. I made but slow work as it is such
 a scattered piece of work, & so difficult to see sufficient signals from one
 place. Ali never turned up all day; so when I had got back to
 tomb about 6 1/2 (after a nasty fall in the dark, coming back with
 my hands full) he came in the usual tone of wanting to know
 where I had been all day, for he had been hunting for me.
 I asked why he did not come in morn, he said he was here about 8,
 which I capped by telling him I was here from 7 till 9 1/2. Then he said he
 had been out just ^{near} where I had been, but I told him I had not seen
 anything of him, & just let him see I did not much believe his
 tale. Each of the persons I told him I had seen, he said he had asked &
 they could not tell him about me. I suspect he was running after
 visitors all day, & not seeing me in the lucid intervals, consoled himself
 with the notion he could not find me. About 9 he came back
 saying Mohammed had not returned from a village he had been
 sent to & so he settled in the tomb as guard, much smoother in
 tone than before. I find the distances of the stone walls of the
 Δ^2 barracks are very regular, mean diff 1.0 on 164.6, which is I
 expect 8 cubits of $20.5 \pm \frac{1}{2}$. On comparing the measures of courses up the
 NE & SW corners I find that the difference takes place almost uniformly
 up to about 160 courses & then there is no difference above. This is curious,
 & I shall be much interested to get the explanation of it by levelling.

~~Wed~~ Wednesday 15 Feb Out to survey Δ^2 walls again. Got on
 tolerably in morning, as it was a dull day with little wind. But in aft.
 the wind rose so that at last I was obliged to give up. So survey standing
 in a very exposed place, in a wind that is cold enough to numb your fingers, &
 to need a constant attention of the hanco. to your nose, & strong enough to
 throw you off your balance, whistle through the theodolite, & make the object
 appear dancing in a perpetual haze — is not conducive to accuracy, to put

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 objects appear dancing in a perpetual haze, — is not conducive to
 accuracy, to put

it mildly. The worst of it was I was just in the middle of fixing a lot of
 points all marked out by rods stuck in the sand, & must either
 risk leaving the rods out all night, or else waste all the day's work
 by pulling them up before observing twice on them. As it was then
 5 o'clock & a high wind, no one about, & an out of the way part,
 I decided to leave my rods out. Ali was very good to day, & was only
 a little over-particular.

Thursday 16 Feb After breakfast went up to Δ^3 again; found
 all my rods safe, & went on surveying on them, from two stations.
 After I had done, a man came up (whom I after found to be Omar's brother)
 with some bronzes; I looked over them, but he wanted too much; he asked
 £5 for all, or 55 frs for four I selected; I offered him 40 frs, which he calmly
 rejected & packed up. He afterwards told Ali he would sell the whole for £3,
 which Ali told him was too much. I then went on, & measured all
 along the great wall from which all the galleries branched behind Δ^2 ; it
 was a long bit to do with measuring rods, $\frac{1}{4}$ mile, over very rough
 stones, & 72 galleries to note. Then I came down to tomb <the wind being still
 about mending the theod. box, the lid of which was cracked by my fall;
 this fall also stubbed my toe so badly, that I can hardly walk
 yesterday & to day; the first joint much jammed, & all going parti-coloured.
 While carpentering, a fellow kept hanging about the door, talking in Arabic
 something I did not take in; he had met me, apparently looking out for
 one. At last I made out that Omar had got a stone, so put on my hat, &
 went down to him. There I found his brother, bronzes & all; also Omar
 had got out his stock again & wanted to deal; & another man brought
 out his stock. I asked about the stone, & found it was not there, &
 only an excuse to bring me on about the bronzes again. So I would
 not come on, being rather disgusted. Omar wanted to play mediator,
 & said "This man ask so dear price, & you offer him 40 franc; now I be
 between you & we settle it"; But I would not rise a bit, & at last at the
 door Omar said, that if I advanced just 2 or 3 frs it would do, but I said
 I would not offer anything there as I thought I had quite enough now. As I
 did not want the things specially, I wished to shew them that they could
 not get advances beyond by offers; but that they lost me, if they did not close at
 once. I took a scarab & a little bronze at moderate rates, as they were new
 things. Then back & finished carpentry; & out & measured 40 courses of
 SE corner. Then back at sunset. I shall go to Cairo tomorrow.

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Friday 17 Feb^y.

Friday 17 Feb^y. After waiting a little for the donkey, which¹⁵³ had been off carrying clover, I started for Cairo. First I went to Dr G's, intending to fetch photos which I left there, to shew to Beauman &c before lunch time; but I found Mrs G all hot on beads, arranging all that she can get out of the Dr's museum for a necklace. I had taken over a lot of good ones, (about 1/4 of the best I had) knowing that she was bitter with the taste, & she was delighted to get anyone to discuss them. So I only had time to get letters, & haircut before 1. I then went back & dined with the Dr, & had a talk over photos, inscriptions, &c. I had copied up at Thebes some inscriptions over Hatasu & the sacred cow, which is the prototype of a stele of the same subject that the Dr has; this tablet Birch had considered very dubiously genuine because he could not read the inscriⁿ of it, though Dr Wiedemann could; so the test was if the temple inscrip. at Thebes was similar. On comparing them we found only two small variations; so Birch's objection falls, as he cannot object to the authenticity of the temple itself. I then went & enquired at Hotel du Nil; results - Mrs Lofti rather ill, Beauman moved (as I knew he would) Corbett out, & Ellis not come; so I did some shopping & went back to tomb. As I got near the cliff I saw a light up at my tomb, & as I neared it I could not make it out; then Muhammed said that there was a Khawaga there & at least on getting up to it, I found Ellis arrived & Hassan ^{having just} cooking supper on his little charcoal stove just by my door. So I welcomed him in, & he was much amused at my place, which he said looked a regular robber's den. We had a long talk over antikas, & he carried off some of those I had selected; though he had not given me any commission before; & ordered another bronze I told him of. All this is useful to me, as it increases my dealings with the people here; & spending a few pounds among them, makes them view me more happily, beside increasing my own opportunities of getting things I want. I rigged up the other canvas bed, & with Ellis's mattress it made a luxurious couch; though he rather complained of it's sagging, & keeping him always in one spot. We got all his baggage into the tomb, & Hassan slept in next tomb with Muhammed.

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Saturday 18 Feb We were awake by 6½, & soon started out for a run up the Pyramid early. Some of the Arabs were yet about, & as Ellis is an excellent climber, he wished to be rid of them. So we went up easily, had a stop on the top; & then down the opposite, S.W. corner, & round to tomb again. Here Hassan had breakfast ready, & after breakfast, we went off to granite temple, & thence up to 3rd Δ & into it; then after a rest (as Ellis was not very well) we went into 2nd Δ; & then to Great Δ, & after some travellers had moved off, we went in; I took him down into subterranean ch. which made us both fearfully hot, & then up to Kings & Queens. After this we came down to dinner, & then he packed up, & got off to Cairo by about 3. Then I went up S.E. corner of Δ & measured on from course 40 to course 100, which I got to by sunset. After supper reading up Pub. Op. &c. & to bed by 11½

Sunday 19 Feb After a late breakfast, I went out & rambled about over the pyramid hill, & then down past the granite temple & onto the desert southwards; over the tombs there, & then over the Roman camp at Gebel Kibli: then turning out west into the desert hills, struck up to the third Δ, & thence home by sunset. It was a good day for strolling, a bright warm sun, & very light wind; & this season one is only too glad to be warm on any terms.

Monday 20 Feb After breakfast out to Δ² entrance; there fixed position of passage to the station mark above it, so as to fix the line of passage in the survey. Then over to Δ³ entrance & did the same there, but by rather a roundabout way; as the passage was quite invisible from the station mark above it, & the height was too great for a level rod. Then went to the walls S. of Δ³, & triangulated them. Then over to walls S. of Δ², & put in rods as signals to triangulate them, but owing to having to dig somewhat to find edges of walls, the time ran on so far that it was too late to take angles from both stations before sunset; so had to stop & take up the rods. I was so very

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4 listless & sleepy all day I could hardly do anything; one cause (155) was the ~~st~~ cloudy overcast sky, with a hottish wind, & all hazy so that sometimes I could hardly see Cairo.

Tuesday 21 Feb - A most unpleasant day. A hot wind, laden with impalpable dust; making a dense haze, such that objects a furlong off were dull, & nothing could be seen beyond a mile or so; the sun shone through it with a dull, burning, heat; so that though the absolute temperature was not high, (73° in shade), yet it produced a deadened headache & fullness, as if a ~~stroke~~ ~~stroke~~ was due. I went out & did the rest of the walls of Δ^2 & Δ^3 , thereby finishing the survey of all the points excavated: but by the time I had done I retreated to the coolness of my tomb, & began sorting over the stock of beads, until it should be cooler; but so it was so comfortable inside, that somehow I did not screw up to facing the dusty dull heat & hazy sun again; especially as there were no little jobs to be done now, & nearly all that is left to do ~~is~~ ~~is~~ needs the best part of the day. Photographing was not worth trying in such a dull & yellow light.

Wednesday, 22 Feb - While at breakfast Omar's brother's son brought up the bronzes again that I saw some days ago; & after sundry expressions of being "all over shock", as the old Queen said, at my offer, he finally accepted 65 francs for the lot. Then I went out to continue measuring of Δ^1 . Going on from course 100 SE, I went up to top, & then down the NW corner as far as course 80 by sunset; I could have got on quicker & joined my previous work up to course 30 if the wind had not been so much. I did not feel it going up SE, but being a W wind it blew so sharply round the NW corner that I had to move slowly so as not to be thrown off my balance, & ~~was~~ continually stopping to catch at my hat or book. I find that I omitted one course in SE the other day; allowing for this (& I know which it is by comparison of NE) ~~the~~ the total by SE is about 5423, or about 2 less than by NE, & 6 more than SW. In the evening cleaning bronzes; one fine Harpocrates has, I find, inlaid gold eyes & necklace,

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so I think I shall keep it. One difficulty in cleaning is the basic (156)
 insoluble white chloride of Copper formed by the Hydrochloric acid; this
 I tried dissolving it by Hyposulphite of Soda, & it seems to answer.
Thursday, 23 Feb. A warm wind & haze again in morning. The dust
 in the air gives me a headache, just like the result of some hours in
 the Δ dust; aching over the eyes & in the nose, from inflammation in the
 long cavities: I know it well after a night in the Δ , & had it in the
 dust on Tuesday, but hardly connected it with that, until I found
 just the same state this morning. So I thought I would wait
 until it should clear somewhat, before going out. Ali's brother
 brought up several antikas, of which I bought a few. Instead of
 clearing the weather got worse, & so I staid in all day, doing
 various odd jobs, & not feeling up to much in such a day. By
 the evening it was a regular storm. Writing in evening, ready
 to go to Cairo tomorrow.

27 Jan (up Nile & back) & 17 Feb

24. Cairo -

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Letters rec^d 27 Jan (up Nile & back)
 & 17 Feb

24. Cairo -

P. 5. Hope to go to Meydoun; mainly for the ⁽¹⁵⁷⁾
 tombs. If I can stop there I shall triangulate
^{from below.} Δ if possible; but as I remember the
 corners are all broken away, & angles filled with
 rubbish. I do not think Δ so important as tombs,
 as I have already explained; Maspero has had
 inside Δ carefully measured, & will publish measures.
 He is quite up to repeated measures; & told me that in
 another of the Δ s they opened, they measured the passage
 width in 6 places. I cannot stop at Meydoun without
 a tent & attendant, but I can go ~~to~~ up for the day by
 train, getting a few hours there. I wish to wait till the
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27.8	
29.8	84.2
22.5	57.9
28.5	25.0
25.0	58.6
24.7	52.1
25.8	<u>262.8</u>
25.7	
26.3	
26.4	
<u>262.5</u>	
26.6	
<u>289.1</u>	
<u>-25.8</u>	
263.3	

~~50822~~ 48

Nov 28

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82—2550 N

87—26805
2230

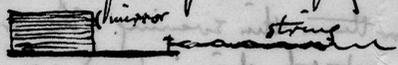
Friday 24 Feb

Friday 24 Feb Off to Cairo sitting on the top of a large sack of bread⁽¹⁵⁸⁾ sent in to Abu Saïd, who now lives in Cairo, connected with a mosque. Had to stop on the way & stand up out of the rain, which was a sharp shower. Went first to the Bank, & then to see Mrs Loftie. Found her fairly well again, & had a half-hour's chat. Then out & had dinner at restaurant (though Mrs L. very kindly pressed me to stop & lunch at Hotel) & then after getting some candles, went down to see Ellis & Beaman; met them just coming up to the Muski so turned round with them while they shopped, & then down to their rooms, which they have taken over Sebah the photographer; rather comical, two amateurs going to live over a professional. They have got a nice suite, a good drawing room in both senses, as Ellis has his easel & pictures all about, & get his Arabs to come up for models. While I was there the porter had got an orange girl to come, & though she was simply required to stand up as she does in the street with the oranges before her, she took fright at seeing four khawagas (for Corbett had come in) & began sobbing & appealing to the Arab servant, who tried to comfort her; the sight of a quantity of sketches of Ellis's, of figures, scarcely calmed her. At last Ellis & Beaman got to drawing, & made some way before I left; but the unhappy model had then turned sickish with the scare & collapsed into a heap. Such are the troubles of an artist here; but this figure was much better than usual, & far too good to be dropped, so they hope to educate her into taking it quietly. Then I got on donkey & returned, after trying in vain to hear from Beaman, &c. of any one to come out & help my measuring. Got 72 oranges, & got through 20 on the way. Had some curious things from Ali's brother the other day, which I would not take on until I could pay for them this evening. The Arabs are always fond of trying to persuade me to take things in hand, assuring you that the money is of no matter whatever; but I stick to never taking in anything without paying for it on the spot, to avoid all confusion. Among these things is a wooden mug, which may be a measure; about 35 cub ins = $\frac{1}{50}$ of Egyptian & Greek artaba; also a little tray, perhaps early Arabian, but may

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easily be old Egyptian; also two kohl pots of wood, one half full of the paint, & the other with the bodkin used in laying it on. I do not suppose I shall keep all these.

Saturday 25 Feb. While getting breakfast ready a man brought up sundry antikas; two good early stones of 6th dynasty, one a piece of a tomb, another a piece of a tablet; these I photo^d, to shew photo to Dr Grant, as they were heavy to carry to Cairo; he also had a lot of pottery, & while discussing it Ibrahim the sheikh appeared followed by Dr Field of New York (whom I had seen at the Grants) & Dr Post the Amer. Miss^{rs} of Beyrout with letter from Mrs Grant. As they were going back before the bridge closes at 12^{1/2}, I postponed breakfast, & ran out with them to Granite temple, &c, they had both been here before, so did not need to do the regular sights. I shewed them sundry details not usually seen, & they were much interested: Dr Post was the most intelligent, & a very pleasant man. Then when they left I returned to breakfast.

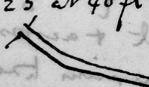
The pottery man came down again, & we haggled. He wanted 15 frs, I picked out what I wanted & offered 6 frs; at last he took it, & then offered me the remainder of the lot (i.e. of Roman lamps) for 6 frs, I said I did not want them, so then 5 frs, then 4 frs, & lastly 3 frs was asked; so I took them at 4^d each. The pottery was all Greek or Roman from Sakkara, two or three nice vases but nothing remarkable. He also brought in a few scraps just found up here by men digging, a broken ring with name of King Horemheb, a little green & purple thistle bead, &c. Then I rigged up apparatus for doing the angles of the air passages; a bit of board about 2 ft long, with an upright fin nailed on it lengthways carrying a concave mirror on the edge thus,  This I took up with the theodolite, measuring rods, string &c, to mouth of S. air channel. Then placing theod to look down channel I slid the board down holding it by the string, & observing the dip to the bright speck of the mirror. The mirror

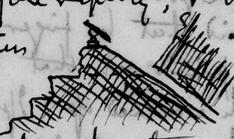
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 It was needed concave, so as not to require setting exactly; & so
 as to allow of the board wriggling sideways in sliding, & yet not
 losing the reflection of light from the entrance. This I slid down
 by lengths of 10 ft, observing it at every 10 ft down to 70, it
 becoming invisible at 72 ft, & stopping altogether against
 sand heap at 80 ft. Then when at 70 ft I observed
 azimuth ~~of~~ it, & of a known station outside; pulling it up
 & down, so as to drag it close to one side, & then the other side
 of passage, observing on both. Then reversed telescope, observed
 azimuth again, & then drew it up by 10 ft lengths reading as
 before. The ~~diff~~ average difference ~~between~~ of the reading down &
 up from the mean is 2', & it is constant, reading down being
 less than reading up, from some instrumental error. The final
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3. After I had done various incidental measures I came down, but it
 began to rain, & was too late to go & do N. channel; for the care
 required in moving about, both in crossing Δ face, & when at
 the channel mouth, prevents one getting on rapidly; & there was
 no height for a theod. stand, being thus  so that
 I had to simply rest the theod. on its
 base plate which was very liable to creep on the stone, hence it
 needed the lightest handling to avoid shifting & errors. It was
 an excellent day for the job, no wind on that side, & all
 cloudy so that I was not roasted, ^{as} before there. Then in
 evening cleaning bronzes: I find a curious back to an Osiris
 of the usual type, a smaller figure of Isis Hathor with cow's head,
 in ~~relief~~ relief, a thing I never saw before; I suspected it when
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Sunday 26 Feb

Sunday 26 Feb In the morning attending to various matters in my tomb, & in aftⁿ I went up the edge of the desert northwards to Kom el Ahmar, then struck onto the great river bank that runs from the edge of the valley up to the Nile, & went some way along it to the old bridge, reputed Roman, & then ~~str~~ left it & across the fields into the Cairo road & so home. It was curious to see the ants out collecting food; they have holes just above the high Nile level, so as not to be drowned; & then they form columns 100 to 150 ft long, about 2 or 3000 in the column, stretching down to the part where wild plants grow; ^{most of} those returning to the holes are laden, but those going out carry nothing, clearly shewing the object of such a procession. Poor Muhammed when he came up in the evening, said that his finger was broken (kassar) & referring to his other hand pointed out that he had lost the last joint of his little finger, which was tied up; I pitied him much, but he referred to it with much the same feeling that I should have for a finger of one of my bronzes, & seemed to think it an unfortunate matter, & a loss, but did not appear to feel it more than if it had been done a year ago. I gave him some oranges, as the best I could do for such a matter; & I shall hear all about it from Ali.

Monday 27 Feb

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The clear part is only 26 ft long however. This took some time, & then after coming down I went & measured the remaining courses from 80 to 30 at NW. This completes the course measures, & the totals are to N. 200 (=201 C.P.S.), 5403.4 NE & 5401.3 SE (measured going up) 5394.7 NW & 5395.5 SW (meas^d coming down. This shows a difference of about 20 inch per measure between going up & coming down. The mean fall is 5398.2, & the prob. error of each 10 course group varies from .3 or .4 in lower part to .1 to .2 in upper part, both errors of work & of measure combined. Then went inside Δ & examined the Q.C. air channels, preliminary to making apparatus for measuring their angles. Then down to supper.

Tuesday 28 Feb In morning out photographing, till about 1/2 past 12, when the Fawcetts came, with a Mr Davis from the same hotel, a pleasant quiet fellow, we went down to Sphinx & Granite temple, & then up to Δ^2 temple where they lunched; then to Δ^3 , & back along W. of Δ^2 to the painted tombs through which they went, Mrs Fawcett scrambling about astonishingly for her age. Then they came down & had a look at my tomb, & I shewed them sundry antikas; & then after going round some of the other tombs by this, they drove off about 5. <M^{rs} F. asking me to call on them when I return.> I went home & reduced the air channel measures, from which it seems that both channels slope up steeper near the outside. The S. channel at successive 10 ft lengths from the outside being 45° 25', 45° 30', 45° 26', 45° 25', 45° 15', 45° 8', & 44° 26'; this last may be owing to the board lying on some sand at the bottom. The N. channel is 32° 5', 31° 37' & 30° 43'. So none of them reach 33° 41', C.P.S. theory or even 32° 45' his measurement. Of course the mean angle by triangulation right round to the inside, is the real thing to attend to.

Wednesday 1 March Out in morning photographing, as it was a still day. Went up the third Δ & took some views [📷, 📷, 📷, 📷, 📷]

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thence; found a date of 1723 (I think) on the top, but scarcely any scribbles, as hardly anyone goes up there. Took two or three more plates below [☉, ☉], & then returned to tomb in aftⁿ, to arrange apparatus for taking angle of Q.C. channels. Then Ali came in & said some people had been asking for me, so we went down to Sphinx. So I walked down & stood by granite temple hearing visitors, & was soon hailed. I found they were friends of Cecil Brent's, a Mr & Mrs Borrowman, Mrs B. being C.B.'s cousin. They had some friends with them. I pointed out several details to them, & they much wished to see my tomb, so when they came up they went over to it. They had a son with them, a very intelligent nice lad, who was picking up everything & examining it; I liked him & while the elders slowly returned to the carriage I ran him over to the basalt pavement & shewed him the saw cuts on it. I find almost every one is interested in the saw cuts & drill holes when explained, & the core in situ in the granite temple, & the fine one they now got are completely convincing. After they were gone I came back & made up an arrangement for Q.C. channels; then had supper, developed photos, wrote this, & to bed.

Thursday 2 March After breakfast off about 9 to Abu Roash with Ali; I went up to the pyramid, then a little W. of it, then down the causeway, & to the tombs W. of that; I had some light refreshment & then to Deir, whence along the edge of the desert house. This was all for photographing; I took 18 plates, & they have all turned out useful; but many of them rather spoilt by sand I believe, having a mass of pinholes, particularly in the skies; however the sky can always be blocked out, & so I hope they will ~~be~~ be improvable. Most of them are very good & clear, though the subjects were very trying; being expanses of whitish stone with very little shadow. Got home before sunset. While getting supper a man came down with a card from Dr Bayley whom I met at Luxor; he had been here to day & was

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Friday March 3 While preparing bags out in morn, a donkey boy came & called me, & I found M^r Myers here. So I had to stop & take him up; on the principle that a man who has friends must show himself friendly. I trotted him round sundry tombs & places that he had never seen, though here six times before. After he left in the afternoon, I went up Δ at SE to find & check a course that I had omitted; then collected sundry pieces of sauer basalt. Got sundry antikas today, including the bronze inlaid edge of the eye of a statue, probably early.

Saturday March 4 After breakfast, went for a batch of photos in the village. First tried a some children who are always picking up my scraps outside, but they fled; their father (who is my next door neighbour down the hill) came out just then, & ordered them back again, & told them to stand; so, after laughing them into looking at me, I got a good plate. Then with Ali into village, turned round a corner upon a couple of women gossiping & got a tolerable plate of them, though one of them at first covered her face with her hand. Then met an old man who is the handsomest I have seen, & he stood up capitally with an absurdly anciently looking old fellow who was with him; so I bagged them excellently. Then tried some children, but they all fled ^{except} one who cried miserably, the men about coaxed them back again, & I took them; but the creatures covered their faces so much it was of little use. I wanted to get some of the older girls who came staring on, but they were fearfully skittish, & ran off kicking up their heels if they thought I loved it.

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After breakfast, went for a batch of photos in the village. I first tried some children who are always picking up my scraps outside, but they fled; their father (who is my next door neighbour down the hill) came out just then, & ordered them back again, & told them to stand; so, after laughing them into look at me, I got a good plate [☉]. Then with Ali into village, turned round a corner upon a couple of women gossiping & got a tolerable plate of them, though one of them at first covered her face with her hand [☉, ☉]. Then met an old man who is the handsomest I have seen, & he stood up capitally with an an absurdly anciently looking old fellow who was with him; so I bagged them excellently [☉]. Then tried some children, but they all fled by last <except> one who cried miserably, the men about coaxed them back again, & I took them [☉]; but the creatures covered their faces so much it was of little use. I wanted to get some of the older girls who came staring on, but they were fearfully skittish, & ran off kicking up their heels if they thought I tried it.

Then I found Shekh Omar sitting out with his brother, sunning themselves squat under a wall, & got a good plate of him. I wanted a group gossiping near there, she went over & enjoined them not to come away; but they all turned their backs, so it was as bad; but after taking one plate they thought it over, looked round a little; so I slipped another in, & got something of them; one woman looking round shows the features through the veil, a good effect. Then at the well I slipped to get some filling their jars, but they bundled up & went off as quickly as they could; however Omar's little girl was there, & being more civilized, did as she was bid, & sat up well with a boy and a man by, made not a bad bit. Then back to tomb, finished apparatus for Q.C. channels, & then made up a diagonal mirror for the front of the camera; for I saw this morning excellent groups about side, also fled on turning the camera to them; so I expect to catch them unawares, while they suppose I am doing somebody else, & look on all attent. There is no prejudice against it, the men have no objection; but the women & children are frightened & bolt through their neighbours tell them to stop; hence I shall not have any objection made, if I can only do it. Then out & measured part of Δ^2 courses up S.E.; began at N.E. but had to move on account of wind. Then took apparatus & into Δ to R. chamber. Had a long stick thus  with hinging bar screwed loose on end; an index attached to the bar at A, a scale on the stick at B, a candle at C; the stick was held flat against roof of ^{air} channel (which is a joint, & flat) then pressed in so as bring bar about flat on floor of slope, the bar being 30 ins long, then with a telescope read off the scale, illuminated by candle at A C, the arms that held the candle shading it from the eyes. read in mid & both sides, & mean for N. channel is $37^\circ 28'$ for S. $38^\circ 28'$. Then after looking at some details, back to supper. Developing in evening. Intend to go to Cairo tomorrow.

Then I found Shekh Omar sitting out with his brother, sunning themselves squat under a wall, & got a good plate of him [☉]. I wanted a group gossiping near there, & he went over & enjoined them not to run away; but they all turned their backs, so it was as bad [☉]; but after taking one plate they thought it over, & looked round a little; so I slipped another in, & got something of them [☉]; one woman looking round shows the features through the veil, a good effect. Then at the well I hoped to get some filling their jars, but they bundled up & went off as quickly as they could; however Omar's little girl was there, & being more civilized, did as she was bid, & sat up well, & with a boy and a man by, made not a bad bit [☉]. Then back to tomb, finished apparatus for Q.C. channels, & then made up a diagonal mirror for the front of the camera; for I saw this morning excellent groups at my side, who fled on turning the camera to them; so I expect to catch them unawares, while they suppose I am doing somebody else, & look on all attent. There is no prejudice against it, the men have no objection; but the women & children are frightened, & bolt though their neighbours tell them to stop; hence I shall not have any objection made, if I can only do it. Then out & measured part of Δ^2 courses up S.E.; began at N.E. but had to move on account of wind. Then took apparatus & into Δ to Q. chamber; I had a long stick thus with hinging bar screwed loose [☉] on end; an index attached to the bar at A, a scale on the stick at B, a candle at C; the stick was held flat against roof of pas <air> channel (which is a joint, & flat) then pressed in so as bring bar end flat on floor of slope, the bar being 30 ins long, then with a telescope I read off the scale, illuminated by the candle at A C, the arms that held the candle shading it from the eyes. I read in mid & both sides; & mean for N. channel is $37^\circ 28' \pm 3'$, for S. $38^\circ \pm 3' 28' 3'$. Then after looking at some details, back to supper. Developing in evening. Intend to go to Cairo tomorrow.

Sunday 5 March

Sunday 5 March Off by 8 1/4 for Cairo, with a very small ¹⁶⁶
 boy driving the donkey. Got to church in good time, & just
 after service began the young princes arrived; I had not known
 that they were coming, & only had a notion that they were in Cairo.
 The Dean gave one of his curious sermons, Ps cxxxvi-18, on Ancient
 Egypt &c; saying some very good things, among others that he
 only wished that X^{ns} were believed nearly as ~~much~~ ^{thoroughly} in the resurrection
 of the body, as the Egyptians believed in the immortality of the soul: that
~~the~~ ^{an} essential false step in Egypt^a religion was the priesthood holding
 esoteric doctrine, & professing to know more than the people; hence
 such a turn in modern times is to be shunned; also that the wilderness
 was necessary to form & strengthen the national character of Israel; hence
 we cannot expect a modern nation (i.e. modern Egypt) to be fit for
 self action without ~~out~~ discipline. So he is thoroughly practical both
 personally & publicly. M^{rs} Grant who sat up at the top, reports the
 princes as models of behaviour: they walked out first, & so satisfied
 the congregational curiosity; & in going out of the gate I almost
 ran over them stopping to chat to someone. The elder is tall, with
 rather a peaky nose; most like his mother; the younger was the
 general favourite, a chubby red-faced little "sprat"; much more
 lively looking than "herring". They go up Nile tomorrow for a fortnight.
 Just M^r Borrowman & son coming out, & walked a little way
 with them; asked to lunch, but said I must go to the Grants. I did
 not go there last time at all, so wished to shew there was nothing
 wrong. Then got letter, & found a card at P.O. in envelope from
 M^{rs} Fawcett, "at home" at 70 Westbourne ^{Terrace} Grove on Fridays; & a
 line with it saying they do not leave till the 10th, but I had no
 time to go to them. To the D^{rs}, where M^{rs} Grant was very
 friendly; I think she is more warm this year than last, after
 our having the D^r & reciprocating generally. The D^r came in
 near the end of dinner, & was as hearty as ever; just giving a slight
 touch on my not appearing last week. He shewed me sundry nice
 things he has lately got. Miss Maclean came in today good bye, as
 she is going to return to Europe, & perhaps to Gen Vienna, with her Countess.

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Then I went over & saw Ellis, to give him some things he had left in my charge: & had a talk on what I want in measuring; ending by his promising to come out on Tuesday & give two or three day work for the most important points. He is well accustomed to accuracy, which is all-important; & I shall clear his expenses if he will let me, & perhaps give him something of antikas, &c; as he is here solely for business, relying on his painting; so taking his time in such a case, (& as he has not too much here), is rather too much to expect. Looking at the whole expenses, & the proportion that these accurate points of levelling &c bear to all the work, I think it would be well to be at any reasonable small expense (direct or in presents) to secure good help; specially as there is a difficulty in finding any help.

Then returned home by dark, had supper, wrote this, & somehow time has run on till it is 11.

Monday 6 March After breakfast went out to the base of triangulation. These first set out marks all along it by theod, so as to not go out of line in measuring. Then collected suitable stones, & placed them at right places for catenary supports; then placed the chain all along it as a trial (with Ali) & arranged the supports finally so as to not allow chain to touch ground anywhere, & so as to have a support at the end of each 1000 ins (chain) & 100 ft (tape); thus the ground is now all ready for accurate work. Then after taking a few antikas from an old man, back to tomb. Arranging from the measure what points up Δ must be levelled, & what length of rod is needed; getting out levelling rod & arranging them, fitting on top slip of ebonite, &c. Suleiman brought up a quantity of antikas, which I looked over & took about 1£ worth. I have now pretty well settled into not asking prices, but naming what I will give for things, & letting the owners hand over what ever they will take my price for. The demand bears such a great & vague proportion to the price that will be taken, that it is scarcely a guide in making an offer;

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7
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 without offence. For instance Sulieman asked 10 francs for an eye of
 glass; it was curious, inlaid in different columns fused together: I simply
 put it aside, & did not take it; he then asked what I would give, I
 said 2 or 3 francs "Take it" was the reply, & so I got it for just $\frac{1}{4}$ of
 the first demand. Dividing scale, for readings of level telescope on its
 own step of Δ^1 . On looking out last thing about 11 $\frac{1}{2}$ I saw a
 curious sight of clouds formed by the air (which smelt moist) rushing
 up the side of the pyramids; both the Great & Second had caps
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 have thought that 400 ft of ascent (or 500 from plain) would have
 produced it.
 Tuesday 7 March ^{Before breakfast making a stand to hold rod vertical in levelling; also fitting up second bed}
 A thick mist, as might be expected after the
 cloud cap last night. It cleared off by the time I went out,
 & I put up theod. over outer end of NNE trench; thence
 observed on four stations f to fix the point, one being \odot
 the ^{NE} socket mark; & it will be worth something for fixing that also
 in N to S direction, in which it was weak. Thence to outer end
 N. trench fixing that station, & also to a row of stations along
 the various trench openings ^{NNE} that I dug. This occupied the best
 part of a day. Then back & fetched camera, as there were
 two picturesque little girls picking up refuse about the kiosk.
 I found them sitting capitally together with their rubbish under
 a wall, so with the diagonal mirror on the camera, I walked
 up looking at the horizon, till I had them about 15 ft off
 on the ^{right} hand; then busily set up camera, seeing out
 of the corner of my eye that they were watching; then
 gradually sidled up to about 10 ft from them, as if shifting
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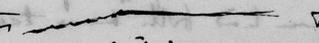
pose & naturalness, as they had not the faintest notion of being taken. I then tried again on a boy near there, but unhappily over exposed the plate. Then went over to W. of Δ^1 & took two important tombs; had done each twice before, & both times from shaking by wind or the plates were bad, an unusual thing, but very strange to come twice without any extra cause. This time they are very good. Then returned & took out telescope to look on Δ faces for mouths of Q C channels; could not see anything for certain, only one place like it on S, which I must re-examine in different light; but it was getting rather too dark to see well. Hassan came up with some travellers & brought note from Ellis saying that some possible purchasers turning up he cannot come till Thursday; & farther he is thinking of moving & if so will go on Fri & Sat, so may not come till Monday. I am sorry, as it is rapidly getting warmer now, & will soon be bad for levelling &c. I forgot to say that old Sheikh Abu Talib came down yesterday, to ask for loan of ladders to get up, & clean out the bats' guano from chambers over Kings Ch. for manure. I refused to loan the wooden ladders for fear they should rack or smash them by a fall, but let him have a rope ladder. Ali says today that men will not go up to the remaining wooden bars in the corner of G.G. to heap it, though they can go up quickly enough if bakhshish from a traveller is forthcoming. Abu Talib in coming down here killed a snake 5 ft long, just about 10 yds off my tomb; which I forthwith hung up by his tail on the rocks & photographed with a measure by his side.

Wednesday 8 March Out to Δ^3 & fixed position of casing at NW corner; while there an Arab brought up a card of a Mr Smithson who had a book for me from Dr Grant. So after finishing I went back to kiosk & there saw Mr S. at lunch, & got the book. It is along with a request for measurements; to a traveller here Mr Woodhouse, who

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through the D^r has handed it to me to be done; the book is awfully cracky on Δ, taking logarithms of numbers to cook up into others, &c. Then taking azimuth of side of SE socket & then to SW similarly; >, while doing it up came Mr Woodhouse himself, & I had a long talk; he was a half Piazzite, by but is coming round on hearing that things wont fit, if accurately measured. After that he went to lunch, & I went on to NW socket & did azimuth of that. These azimuths are scarcely worth doing as all the socket sides are curved & irregular; at the SW the line drawn, & so described by C.P.S. is not at true edge of socket; for socket is not level with what is outside it as he says, but slopes down outside thus  & the line is skew to the edge of the plane face, & out about .3 to .9 inch. Mr W. brought a card from Ellis saying that he intended coming up on Sat^r for a week. Then I went down to tomb, & soon Mr W. came down to see it; I shewed him some things, & had a little more talk. Then up to inside Δ to make various small measures that I had requests for. The lower section of S. wall of G.G. does not impend anymore than the upper part; but has a wind, on W side tipping over .32 & E side tipping back .22, & both variable about .4 inch. The only place where C.P.S. can have measured his 1° lean is at 50 to 80 from floor on W. side. Also had the curiosity to measure the celebrated well mouth, & it is at floor 21.8 to 24.0 from N. wall, near top 21.8 to 48.7, & at top measured on slope reduced 21.88 to 48.86; these give for mid of it $\left. \begin{matrix} 35.37 \\ 35.25 \\ 35.40 \\ 35.22 \end{matrix} \right\} \text{mean } 35.34$ so the celebrated 33 1/2 inches = 33 1/2 years must go along with a host of other assertions. They have been cutting steps lately in part of the ramp beside the "cut out", & two more in entrance passage; also throwing a lot of stuff towards & into the cleared out entrance passage, evidently wishing to block it again; also thrown down a lot of the earth from the steps by the entrance because it made it too easy for travellers to get in, so that they did not need assistance so much. All this I notice quietly, & shall report & make a row on if they behave unpleasantly on anything; I hear Abu Talib is crusty at not getting the wooden ladders to use; but

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I see that they have taken away two of the wooden bars (171) that used to assist in getting up to construction chambers, which does not look as if they ~~want~~ wanted to get up so much; & I half suspect they want to get ladders there in hopes of a big bakhshish from some travellers for letting them go up. When I came out from Δ with Ali I found several men about the door, who talked to him, & on getting down to tomb (all in dark) a small stone tablet was lugged in, & then a big basket of ibis mummies, & little figures, scarabs, &c, all from Abusir. I looked over them, but they would not take my offers for some of the small things; Omar & Suleiman had both been tackling them ^{in vain} already. For some reason they did not wish to take the things into the village to be seen in the dark, & preferred leaving them in my charge, a curious piece of trustfulness, as there are over a hundred little things all in a heap, which I don't suppose they exactly know; but I have observed before with Ali & others, that they trust one to any extent with things. Then after supper writing this, &c, & to bed about 11 $\frac{1}{2}$.

Thursday 9 March In the morning the comedy began: first thing I found Shekh Ruhumah, Ali's brother, waiting outside talking to Ali; he was long to pounce on the antikas the men had brought last night. I heard afterwards that Omar & others had gone, & requested to see what they had got last night; but were answered that they had nothing with them, as the things were all in my tomb. Then the owner of the things came up, & seeing Ruhumah would not begin business; R. shewed me some things of his as an excuse for being about, & I bought a piece of a haematite pin about 2 $\frac{1}{2}$ ins of it, the first I have ever seen. Then he cleared off, seeing nothing would be done while he was here; & then the man hooked out his antikas from the corner of the tomb where he had stowed them; & the bargaining began; soon Ruhumah returned to see how matters went, & before long Omar came up & sat giving his advice on the business, & trying to get the things & have his little profit out of them. However it ended by my having 76 francs of them; there were some good things in opaque glass red, green, & white, such as I have

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Thursday 9 March

In the morning the comedy began: first thing I found Shekh Ruhumah, Ali's brother, waiting outside talking to Ali; he was long to pounce on the antikas then men had brought last night. I heard afterwards that Omar & others had gone, & requested to see what they had got last night; but were answered that they had nothing with them, as the things were all in my tomb. They/<n> the owner of the things came up, & seeing Ruhumah would not begin business; R. shewed me some things of his as an excuse for being about, & I bought a piece of a haematite pin, about 2 $\frac{1}{2}$ ins of it, the first I have ever seen. Then he cleared off, seeing nothing would be done while he was here; & then the man hooked out his antikas from the corner of the tomb where he had stowed them; & the bargaining began; soon Ruhumah returned to see how matters went, & before long Omar came up & sat giving his advice on the business, & trying to get the things & have his little profit out of them. However it ended by my having 76 francs of them; there were some good things in opaque glass red, green, & white, such as I have

seldom seen before, & some good scarabs, beside a quantity of ordinary ^{(12) little} figures in good condition. The whole lot would go in your hand; but they were not at all dear, & worth ~~not~~ much more in England. After this doing various matters in town ^{in morning}; & a donkey boy rode up with a letter from Mr Borg; the envelope only contained the following curious note, which Mr Borg had. "If Mr Petrie is known to the Bishop of Tasmania, Dr Bromby, he is doubtless the gentleman to whom Sir Henry Lefroy brought an introduction from the Bishop which he has unfortunately lost. In such case Sir H. Lefroy would be glad to call on Mr Petrie" Answer equally impersonal, thus: "As Dr Bromby is a cousin of Mr Petrie's doubtless the letter he gave to Sir Henry Lefroy was for Mr Petrie, who expects to be in Cairo tomorrow, & may perhaps have the pleasure of seeing Sir Henry Lefroy in the afternoon. If this should not be convenient, Mr P. will be at the pyramids during the next six days." The curious note was not professedly from Sir H. L., & so I had no right to address a note to him in return. After all this just as I was going out in aft. in came young Borrowman again, the party having driven out a second time; I shewed him sundry, & then went up with him, saw Mrs B, & then took him over the Greek village, picking up pottery, &c. & at last left him in delight searching a bead heap. Went over to third Δ , & measured the greater part of the courses before dark. The question of where the granite ended is farther cleared by this; I believed it ended at No 16, as the last granite is on that course on each side, & Diod. Sic. says that there were 15 courses, the bottom one being probably sanded up. Now from 6 to 16 the courses are nearly uniformly a double cubit, 41 ins, each; but 17 is thicker than any other being 44.2 & evidently marking a new departure, while above that they are very irregular, some 39.9 others only 21.0. The 10 courses, 6 to 16, vary from 38.7 to 42.8, but the total is 411.5, so they were almost certainly 2 cubits each intentionally. Back to supper, writing this, & to bed about 10 1/2.

seldom seen before, & some good scarabs, beside a quantity of ordinary little figures in good condition. The whole lot would go in your hand; but they were not at all dear, & worth a-fa much more in England. After this doing various matters in tomb <in morning>; & a donkey boy rode up with a letter from Mr Borg; the envelope only contained the following curious note, not in Mr Borg's hand: "If Mr Petrie is known to the Bishop of Tasmania, Dr Bromby, he is doubtless the gentleman to whom Sir Henry Lefroy brought an introduction from the Bishop which he has unfortunately lost. In such case Sir H. Lefroy would be glad to call on Mr Petrie" Answer equally impersonal, thus: "As Dr Bromby is a cousin of Mr Petrie's doubtless the letter he gave to Sir Henry Lefroy was for Mr Petrie, who expects to be in Cairo tomorrow, & may perhaps have the pleasure of seeing Sir Henry Lefroy in the afternoon. If this should not be convenient, Mr P. will be at the pyramids during the next six days." The curious note was not professedly from Sir H. L., & so I had no right to address a note to him in return. After all this just as I was going out in aft. in came young Borrowman again, the party having driven out a second time; I shewed him sundry, & then went up with him, saw Mrs B, & then took him over the Greek village, picking up pottery, &c. & at last left him in delight searching a bead heap. Went over to third Δ , & measured the greater part of the courses before dark. The question of where the granite ended is farther cleared by this; I believed it ended at No 16, as the last granite is on that course on each side, & Diod. Sic. says that there were 15 courses, the bottom one being probably sanded up. Now from 6 to 16 the courses are nearly uniformly a double cubit, 41 ins, each; but 17 is thicker than any other being 44.2 & evidently marking a new departure, while above that they are very irregular, some 39.9 others only 21.0. The 10 courses, 6 to 16, vary from 38.7 to 42.8, but the total is 411.5, so they were almost certainly 2 cubits each intentionally. Back to supper, writing this, & to bed about 10 1/2.

Friday 10 March

Friday 10 March Off by 9 $\frac{1}{4}$ to walk to Cairo; was hailed by a man
 in fields, wishing to know if I wanted "antika"; I inquired what it
 was "Rigl hosan" - Horse's foot - was the answer. He came up & chucked
 it over a bit of marsh to me, I picked it up, and - it was the
 battered bone handle broken off a sporting walking cane, horse's
 foot 'tis true; so it flew again across the mud, & I went on my
 way. Met Ellis riding out with two of his fish ^(humans who'll buy, I mean) whom he had hooked
 for pictures, & a man carrying camera, as he was to photo them.
 He asked me to lunch with him. Then in to Cairo in 2 $\frac{1}{4}$ hrs from
 Δ , whereas a donkey takes 2 $\frac{1}{2}$. It was a lovely day, a cool slight
 North wind, sweet with all the flowering crops, & the
 boys a-piping in the meadows among the clover, to their cows &
 goats. Went first to Bank, as I was drained & £4 in debt for
 antikas besides. Met the Borrowmans, & a Mr Smith a nice man
 who is travelling with them, all at the Bank. Bid them another
 good bye. Then to post, & ~~to~~ hit the Borrowmans again,
 a third good bye; they hope to meet me again at Bromley, as
 they are often over at Cecilius. Then to Ellis, saw some of
 the prints of my plates, not yet dry, but turned out all right; old
 Omar a laughable likeness. Went & had lunch at his restaurant,
 then on to Mrs Loftie, to whom we were each intending to go. I
 shewed her sundry of my new things, & she did ditto to me; as though
 she knows the value artistically, she is less certain of the reading of scarabs.
 She says she has never seen such red glass figures as those got from
 Abusir ^(D^r G. has but few & these very poor) & a frog in green glass she pronounced a new attitude;
 Then she went with Ellis to look over ^{actual size}
 his drawings, previous to his packing up this afternoon
 for coming here tomorrow; he gives up his rooms,
 & is uncertain what to do exactly after his intended week
 here. Then to D^r Grants, shewed him sundry antikas, & saw
 a splendid large bronze Osiris, that he has bought. Had a very
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other day bringing letter; then to Shepherd's, found Sir Henry Lefroy
 was not there, but saw Mr Borg who directed me to New Hotel.
 There I went, but Sir H. L. was out, to my relief, as it was
 getting late. Back to Ellis's for bag &c; then shopping. Walked
 down to bridge & offered 2 francs (8 piastres) for donkey to Δ s; no,
 3 francs was demanded; so I walked on; 2 1/2 francs was shouted
 out to me; still I walked on; then a man & a donkey boy gave
 chase with a beast, still on 2 1/2 frs; on I went; then 2 1/4 frs;
 no, that would not do; & so at last I mounted for 2 frs. I
 got 50 oranges, & jallacked along without using stirrups or
 bridle, (as I have become accustomed to do without either) & munching
 oranges & reading Pub. Op. After two miles down went
 donkey, I lighted on my feet on either side & walked off him.
 Got on again, in 1/4 mile down again; the boy began
 crying - though donk. was not at all damaged, for I felt
 his knees - so up again, & on to a half-sobbing shouts of
 "betaa kelb" &c, (descendant of a dog) which assisted by whacks
 made the donkey go very well. The boy had begged at the
 second tumble to have a piastre & be let go, but as I had about
 1/4 cwt of fruit & grocery with me I could not do that 5 miles
 from home. Expecting a break down of my driver however, I
 anticipated it, by offering when 2 miles from Δ to give him
 6 piastres there, or 7 at the next village, or 8 at the hill; he
 immediately requested the 6 & rode off back as quick as he could.
 I think he was afraid of being benighted, though it was not yet sunset,
 & there were several carriages still to return. So I shouldered
 Mr Bluetts useful boy, & walked up to my tomb; had supper,
 read Pub. Op., wrote this, & to bed, alas! not before midnight.
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saying they were back at Luxor, & that when he returned he
 should be glad of good antikas up to £5 more or less; so I
 shall get my stock cleaned a bit.

Saturday 11 March Mending clothes, &c, for I found my nether
 garments in a state of disruption on my return last night,
 after frequent donkey rides & long walks. After attending to
 various matters Ellis came in about 12. So after settling
 in & lunch, he turned sleepy & settled down to a nap; suddenly
 an Arab appeared followed by Sir Henry Lefroy; he was very
 pleasant & chatty, with a general acquaintance with Δ
 matters & C.P.S.; so we had about half an hour's talk; then
 he went up to join Lady Lefroy & his dau^r at their carriage.
 I offered to point a thing or two on the way, & he asked me to
 bring up the granite core to shew Lady L. as he was immensely taken
 with it, & said the tube drilling was the most astonishing thing
 of Egyptian antiquities he had yet seen. He expects to come out
 here again, & will see me there, sometime next week.
 Then on returning Ellis woke up, & we went up the hill
 W of Δ , whence he began a drawing, for a sunset view.
 Came down at dark, had supper, writing this & to bed.

Thursday 16 March What with business & talking this has
 got into arrear, & I am rather mixed as to the chronology;
 so I will fill in by subject instead of time. We have had several
 good mornings, dull or foggy: & have measured the survey base by
 chain & twice by tape; the two tapings give 7904.49 ± 2 & 7904.44 ± 16 ;
 agreeing closely with what I had roughly found last year ^{by tape & chain} $7905.1 \pm .3$;
 but the chain gives 7903.48 ± 4 , which looks much as if a whole inch
 had been mistaken. We want to do it with chain again as a test.
 The regular method was having stones placed about 20 ft apart,
 so that the chain formed catenaries not touching the ground; then

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 The regular method was having stones placed about 20 ft apart,
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one end was held tight at 6 ins over ground, & it was pulled up by (177) spring handle at the other end; the terminal marks were then read off on two scales divided to $\frac{1}{50}$ laid on stones & weighted; then gave distance of zero of scales, one being at base terminal; then shifting on, the aft end of chain was held over the scale on which the fore end had been read & the fore end on another scale a chain length farther on. Thus there was no adjustment to be made of the place of the chain; & ~~the several~~ readings were taken at each place, shifting the chain a little between each, so as to change any ^{wrong} tension by friction over the stones, & to prevent any bias; the readings were compared on the ground & if very variable more readings were taken. I have also tested the tape unstretched on the 100 inch standard; & find that it seems to have lengthened $\frac{18}{1000}$ ^{this int.} since made in England about 2 years ago; this is about $\frac{1}{700}$ inch on 100 inches, or $\frac{1}{55}$ inch on whole 100 ft. ^{or $\frac{1}{8}$ in on my base.} Of course I levelled all the supporting stones with theod; & took their distances. It has been too windy for levelling up or around Δ accurately, but Ellis will probably be here 4 or 5 days more, during which we must tackle it.

I have measured chambers &c in Δ^3 , & find the granite work very inaccurate; the limestone rock cutting is much better; in the blind passage which has been blocked up, I found an ancient saw cut on one of the stones, the first really ^{certainly} ancient one that I have seen in limestone. Several times I have been out with Ellis in his sketching, as I have not much to do here now alone: we went over to the great limestone reef 5 miles W., & I got some photos.

M^{rs} Cornwallis Aldham came over one day; she made up to me as being a friend of Miss Dent's, & Ellis had known her at the hotel. I went inside Δ^1 with her, as she was rather alarmed about it; & she said she certainly should not have gone

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past Al Mamoons hole if I had not been with her. She ⁽¹⁷⁸⁾
 very intelligent & bright, somewhat like Cousin Jerry in manner
 though not so active in action. I have been going on getting
 antiques at a tolerable rate, some more of the dark glass
 figures turning up; and a very fine large stone scarab, without inscription.

I got some prints of a few of my plates done by Sebah in Cairo, &
 I enclose a few as samples; but I see I shall need to print
 many (perhaps all) myself to regulate the exposure properly, they
 almost always print them too dark. The enclosed letter is
 for W. J. Mc Gee, Farley, Iowa, U.S.; & I send it to post
 in England, for the sake of the photo of the granite core.

Sir Henry Lefroy turned up today, & I spent the afternoon
 going over the tombs & outsides of Δ s with him & Lady L. & dau^r;
 & he ran down to granite temple with me to see the drill
 hole while the ladies went to the carriage. He was delighted
 with it; & they all admired the Δ^1 casing stones; he also
 went in to see the celebrated 2170 lines, though not at all
 swallowing C.P.S., yet being interested in seeing them.
 They all seemed much pleased with their visit.

Ellis is going into Cairo tomorrow for his affairs, &
 shopping, which saves my going in; & I expect he will stay
 till mid: of next week, & then we shall go together to Sakkara,
 & for a few days; & returning in good time for Polaris
 observation. Arabs can't keep things neat; a man had
 a bit of papyrus, & to protect it I gave him a clean envelope; I
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Again I am in arrears & must lump up the work till
Monday aft: 20 March. By that time Ellis & I had again
 measured the base of survey with tape & chain. The
 total result is (after allowing for difference of tape & chain
 as observed now on one length) by tape $\begin{cases} 7904.44 \pm .02 \\ .49 \quad .02 \\ .33 \quad .02 \end{cases}$
 & by chain $\begin{cases} 7906.1 \\ 7902.7 \end{cases}$. Now as these chainings differ so much, from
 what cause I cannot imagine (unless it be from hitching on the
 stones) they are almost worthless; & as they lie about equally on
 opposite sides of the tape measure, they cannot affect the tape value.
 Hence $7904.42 \pm .04$ is probably the base of the survey. We also
 levelled up the Δ^1 beginning at SW corner at 8 in the morn; getting to top
 before noon; Ellis stopped on top, while I came down, & drew a
 paper scale to substitute for the ebonite strip; the ebonite is
 most difficult to read from ^{even in brightest sunshine}, the crosswires being nearly invisible
 on it; & I expect my worst errors were from that cause. I could
 not perceive any disadvantage in a white paper scale; certainly
 there is no comparison of the between the two for visibility.
 I then went up again & we levelled down the NE corner; the
 whole took 31 lengths each way; we had the stillest day I have
 known for a long time; in an ordinary wind the rod would
 have beat so much, & waved about, as to be useless. The
 result is from pav¹ to No 200, (1 under platform) 5385.7 by NE, 5388.1 by
 SW; but course is 1.1 higher at top; $\therefore 5387.0$ ^{SW} reduced; & thus the
 difference between going up & down is 1.40. All readings were to
 100 inches. The difference between NE & SW is in the lower $\frac{2}{3}$ of Δ .
 The difference between these & my measures is 18 ins at NE, & 7 at SW; & is
 constant throughout, as shewn by referring to the marked points on the
 stones at many places.
 I also went into Δ^3 & measured all the chambers; finding that
 the work in granite is not nearly so exact as it looks, the joints being
 very close, but walls very unequal.

(1)

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Monday 20 March. While preparing apparatus in aft¹⁸⁰ for holding theod. at Δ entrance, a gentleman wandered up, & seeing me began talking in French; I replied, & then he asked if I knew English; soon he seated himself & told me that he was going into the desert to search for a possible site for Lake Moeris or for a level low enough for a water reservoir; that he had come out here today but found his camels not ready; &c. I easily recognized ^{him as} a character I had heard of, in not over respectful terms in Cairo, as "the man who thinks the Pyramids were built for water". He really imagines that the Δ 's were placed at the mouth of wadys down which a water supply came from an aqueduct, ^{or reservoir} that he can't find; & that there were fine gardens laid out around them, that this hill was the fashionable suburb of Memphis; & as he says, (though I don't see the force of it) the kings would not have dared to build such places without making a proper supply of water. In short on water Mr. Whitehouse is an impracticable body; but in other respects normal enough; & when "my theory" does not come in, (as it does like King Charles's head), he is - barring a habit of talking torrentially - a pleasant & gentlemanly American. Before long he had proposed to me to go with him; & hearing of Ellis desired that he should also go. After he left, I ran down to where E. was drawing & told him; but he said no. Then after a brief supper we went up to Δ doorway; put a stand across it  on the projecting lower course, on which to place theod. Then with scale & candle Ellis went down passage, & at 12 places down it, put scale to wall while I read, thus gauging its straightness. The extreme variation is about 1 1/2 inch, but I have not reduced the measures. Mr. W. came up, & was very useful by going halfway down the passage to repeat between Ellis & myself, as we could

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not hear each other well, E. being rather deaf. Then I took
dip observations to bottom, & then E. came up, again holding
scale to roof, which I read off, gauging roof's straightness ^{abt 1 1/2 ins varin}.
Then we took all three theods down to Al Mamoon's hole; just the
10 inch at ~~bottom~~ of turn from entrance passage; 5 inch on
rubbish heap in hole, & 4 inch at top of granite in ascending
passage. Then candles were put up in entrance & end of
ascending passages & azimuth obs^s carried round: the
cross wires of the telescopes were fairly visible in each other, & so
there was no transferring to stations. The result is only abt
4' diff of azimuth in descending & ascending, but I have not
reduced it accurately yet. Then Ellis told Mr W, that
he would give him a definite answer tomorrow. On
talking over it with me E. decided not to go, though Mr W
enticed him with grand accounts of what he would see in
the Faium, whither he is bound. Got to bed part 2.

Tuesday 21 March At 6 o'clock I was awake with Mr W
at the door; E. let him in, & they still while they discussed.
As he could not get E. he had me stirred up, to know if I would
not come, in spite of my decision last night against it. It certainly
is very tempting to be taken free gratis with tent, dragoman
& all necessaries for a trip to the Faium to do levelling, &c,
& hunt up remains; a sort of hypothetical opportunity. But
I had to consider that I came to do Δ s, & next week is the
best time for Polaris azimuths for which I have been waiting;
also I had appointed Brady to come next Monday, & he leaves
Cairo very shortly, & I have to clear off a lot of bronzes to him: this
is but a little matter, still it adds against the Faium trip. Also
Ellis is going to tent at Sakkara this week, & I much want
to join him for work there. Then said Mr W. will you

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Ellis is going to tent at Sakkara this week, & I much want
to join him for work there. Then said Mr W. will you

not come for two days only, & I will land you tomorrow night
 at Dahshur handy to Sakkara. As I much wished to see
 more of the desert I said yes, I would be ready in an
 hour. So I tumbled up had bath & breakfast, arranged
 matters to meet Ellis at Sakkara tomorrow or Thursday;
 & carried up my traps to the camel & saw them packed.
 Then walked off about 4 miles with Mr W. up the wady,
 camels following. Then we mounted & rode on up to
 Kom El Kashub the fossil wood hill 9 miles W of Δ.
 Here we stopped, went to the top of the hill; took azimuths
 with theod., to fix it, & dips to tops of Δs to take its level.
 Then after lunch, rode on W. into the desert. We found
 a considerable wady in front of us, apparently as low as
 the Nile valley. About 5 we halted, sent camels on to
 encamp, & measured 1000 ft with tape, put theod. at each
 end of base & so took distance from Kom El Kashub, & dip for
 level; also fixed other hills visible. Then on on the
 track of our camels, but lost them after two miles or so;
 going on about two miles ^{further} in the dark, the Arab with us
 shouting to find the camp, we at last were hailed by one of
 the men come out to find us. On getting up to the
 place, we found Lorenzo the Greek-Maltese cook-dragoman
 struggling along with two other men to get up a big tent,
 which had been thrice blown over in the darkness already.
 At last they secured it, & while fitting on the sides, &c, I
 unloaded my heap of blankets threw them down & lay down
 for ½ hour or so, for my eyes were rather sore with the
 very short sleep I had had, & the sun & sand to day. By & bye
 Lorenzo had got a dinner cooked, & after that, & a long dose
 of "my theory" with maps, we got to bed, but mine was very hard,
 being only 1 blanket between me & the stones.

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(2)

Wednesday 22 March

Up at six in a thick fog. Found we were encamped by a long sand ridge, about 20-30 ft high, & at the angle of rest on each side; in one place a gap in it, & a pit ~~over~~ abt 10 ft deep into which the sand ran; yet the desert was free of sand a few yards off it. I measured a base with Mr W. of 1000 ft & took azimuths & dips: & we found pottery of a small late Roman ~~camp~~ ^{tenting} out there. Then on up this wady southwards & found it to rise steadily until in about 4 or 5 miles we reached the head of it; thus it cannot communicate with any Nile supply from the south, & so this settles the object of this trip. No European had been over the ground before as far as is known; only a German some 8 miles farther westwards. On getting to the head of the wady we sighted all the Δ s again, Gizeh to Dahshur, & on a hill there I took azimuths and dips again; but unhappily I lost my book, & so we only kept to yesterdays work which I had copied off into Mr W's book last night. Then we rode right down to Sakkara, as Mr W wished to get Ellis for a persuasive talk. We found E. duly camped by the well with Hassan, & after <I had> supper with E. we went to Mr W's tent. Here was a long talk, & many proposals, ending by Ellis agreeing to go with him.

Thursday 23 March

After seeing Mr W. & understanding that he was going to camp at Dahshur tonight, I went off to Dahshur to do the Δ s, with a donkey & boy. I photo^d all the points that I wanted, at all four Δ s; & ascended the

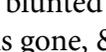
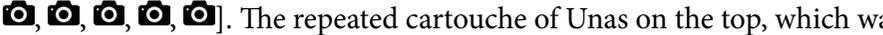
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"blunted" Δ , , at the S.W. corner, where the casing is gone, & it is easier than any Δ I have yet been up. The repeated cartouche of Unas on the top, which was a great puzzle, & had only been copied by a man who knew nothing of hierog^s, I saw at once to be only a royal bee, & no name at all. The N. brick Δ is being opened by Maspero; the bricks though only sun-dried are fine hard things, not at all stuck together, & bear being bowled down a hill of rubbish often without breaking up at all, though as large as $16 \times 8 \times 5$.

Then back to Sakkara, where I found M^r W. not gone & his tent still up, while Ellis's tent that I had expected to find ready for me was all packed up, as I was to mess & lodge with M^r W. tonight. As E. & I were both short of money I had sent cheque for £10 to Cairo to Corbett & Hassan had brought the money. Ellis asked me to let him have £5 of it, & then by mistake carried off the whole to Cairo where he went for some things going to join M^r W. at the train going to Faium tomorrow. Hope he will leave it with Brady to bring to me on Monday. Had supper & some more theories with M^r W. & to bed.

Friday 24 March Next morn tent was struck, & they were off soon for the station, going up by train to Faium. All this disruption has upset my intended visits to Memphis &c, which I must hope to do when Ellis returns to this place. I said casually that if it had been a week later I could have gone with M^r W. for a month if he

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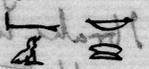
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 Thursday out in Faium; he will postpone his more
 antiquarian work till I come, doing the places he
 wants sketched first with E. Then after getting sundry
 antikas went up to the hill to the Δ s, photographing
 specially the internal finished casings of the Step Δ . Down
 by 11 1/2 by donkey, the tent & baggage having been taken
 off by Hassan long before; there packed up the things
 which I had left under the palms in charge of the donkey boy.
 More antikas were stowed away before we started; the
 principal things I got were a clenched hand & wrist nearly
 life size in yellow quartzite sandstone from a statue (5^d);
 a fragment of a sistrum with double head of Athor in green
 composition; the most beautiful material & work that I
 have seen, I could almost have cried over its smashed state;
 & when I shewed it to Omar afterwards, he said compassionately
 "whew! whew! whew!" & clenching his fist "If I to see the
 man who brake that, I brake his neck". I also got the
 bottom of a tablet with complete inscription of 3 lines; a
 curious Roman bronze Venus, feet broken; sundry pots, &
 handfuls of small images &c. Mr W. got a lot of the best
 things at first, or I should have spent more than the
 £2 I did get though. Then I walked back to Gizeh, donkey
 carrying baggage. Went up to look at the Abusir Δ s
 wishing to see Maspero's diggings; but two men came up,
 evidently guards, & would not let me go near that Δ ,
 saying that there was gunpowder there. Got back by 4,
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Saturday 25 March

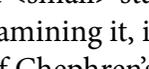
(186)
 Saturday 25 March Doing various matters, putting
 by antikas, &c. in morn. Omar came in & I bought
 some scarabs; some he had asked 5 frs I at last got
 for 2 frs each. I have now about 55 scarabs, but
 do not intend to keep half of them: I got them all
 fairly cheap averaging $1\frac{1}{2}$ fr. each: some Loftie will be
 mad after I expect. In aft up to Δ^3 to move a
 block of granite out of the way of the passage line, as I
 could not see down from outside. After clearing the
 rubbish from under it I heaved it up, Ali blocking it
 as I lifted, till it was out of the way. Then down to tomb
 & out soon after with theod. Put candles in passage &
 observed; it is only a matter of two or three minutes
 of angle its difference from pole. Then back, had
 supper, & writing up this till midnight.

I picked up among the tombs at Sakkara, a bit of diorite with
 toes of a ^{small} statue on it; ~~the~~ now I see some inscripⁿ,
 & on examining it, it is  "good Lord of the diadems"
 a little of Chephren's; so doubtless the feet belong to a statue
 of Chephren, & thus this is the oldest thing that I have heard of
 being found at Sakkara, as the Δ s & tombs there are 5th & 6th
 dynasties.

Sunday 26 March indoors most of the day attending to
 odds & ends; & had a run in the afternoon over the hill.

Monday 27 March Was stirred up at 9 by Brady at the
 door, so turned out & opened up. We went over all
 my stock of antikas first, he taking £5 worth joyfully,
 & wishing for even more, but I could not screw up courage
 to part with some things; as it is I feel quite bereft;

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(3)

though as my antika account is near £40 now, it is quite
 time to get some off my hands. I was very glad of the cash as
 I had had to borrow £2 from Ali to pay for a lot of things
 from Sakkara; mainly glass figures, which are very rare,
 but just now obtainable from several tombs of containing
 them having been ransacked. After Brady had looked over
 all the things we went up to Δ^1 , he wishing to go in; but on
 trying it he backed after a few steps as he has nervous
 asthma, & the stooping & closeness might do for him.
 So after seeing the casing he came down to lunch. Then out
 to tomb which he much liked, to Δ^2 temple, down causeway,
 to granite temple, then to Omar's to see antikas, but he
 brought scarcely any finding that I had already got for him
 all he cared for. Then up to tomb for his bag, & back
 to Cairo. Then I got out theod: & did polaris obs^{ns}
 for middle Δ of the small ones by Δ^1 . In evening
 reading observations. The little Δ <passage> is $4' 50'' \pm 10''$ W of pole
 but the distance is so short that $1/10$ inch would be $40''$ or $50''$; hence
 mechanically I suppose it is uncertain $\pm 1'$. Say $5' \pm 1'$.
 Δ^3 is far less accurate being about $12'$ E of N. The
 azimuth of the ascending passage Δ^1 is rather uncertain owing
 probably to loose stuff on which theods were placed; it is
 $2' \pm 3'$ W of S. line of descending passage, or if entrance is $4'$ W of N, then
 is $2' \pm 3'$ W of N.
 Tuesday 28 March Fair copying plan of the route of our
 desert trip & hills observed. Reducing other observations.
 I have azimuth of passage of Δ^1 to subterranean = $3' 36''$ W of N

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Tuesday 28 March

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but as passage is not quite straight, applying corrections
 according to Ellis's offsets, it is set down to Al Mamoons
 hole 6' 6" W. of N. Now C.P.S. on same part found
 5' 34" & 4' 27" so this differs only about 1' from his mean,
 by this in direct way, which shows that there is no
 decided error. The altitude after passing to the
 bottom is ^{on roof} 26° 30' 34"; or applying correction for straightening
 it is down to Al Mamoons hole 26° 27' 57" on roof
 (axis same) & C.P.S. by clinom^r (best way) 28' 7" & by
 alt. azim 25' 20" & sextant 27' 0"; so this by the indirect
 way agrees very fairly, & shews no decided error.

I had a bit of fun with Omar; he shewed me a case
 with serpent on it which he said was silver; I declared
 it was copper; he asked me to clean it & see. So I cleaned
 it somewhat; he came up today asking after it, & I shewed
 it to him; he persisted that it was silver, but I told him
 I would give him £20 for it if it was silver, which he
 capped by saying he would pay £2 if it was copper. So he filed
 & scraped a long time declaring it stoutly to be silver
 at each pause. At last he said something about its
 being lead, & ~~at last~~ ^{finally} went off muttering "Ah, nahass"
 (copper). It was really a grayish bronze, probably pot-metal.

At sunset went out to the northern small Δ by Δ^1 to take
 azimuth of passage; but after putting in candles & arranging
 it all, clouds thickened & I could not do anything. In going
 down the passage with a light, I found among the stones
 lying there, a slab of granite, 3 1/2 ins thick (about 25 lbs)
 sawn on both sides, so perhaps ^{perhaps} a lid, but not a sarcophagus. While
 lugging it out I found a better thing still in an alabaster
 drill core 2 3/4 diam^r & 5 1/2 ins long; chipped at the ends, but
 not rubbed or weathered & shewing the lines; slightly conical like the granite
 core.

but as passage is not quite straight, applying corrections
 according to Ellis's offsets, it is set down to Al Mamoons
 hole 6' 6" W. of N. Now C.P.S. on same part found
 5' 34" & 4' 27" so this differs only about 1' from his mean,
 by this in direct way, which shews that there is no
 decided error <1' being = 1/4 inch.> The altitude of the passage to the
 bottom is 26° 30' 34" <on roof>; or applying correction for straightening
 it is down to Al Mamoons hole 26° 27' 57" on roof
 (axis same) & C.P.S. by clinom^r (best way) 28' 7" & by
 alt. azim 25' 20" & sextant 27' 0"; so this by the indirect
 way agrees very fairly, & shews no decided error.

I had a bit of fun with Omar; he shewed me a case
 with serpent on it which he said was silver; I declared
 it was copper; he asked me to clean it & see. So I cleaned
 it somewhat; he came up today asking after it, & I shewed
 it to him; he persisted that it was silver, but I told him
 I would give him £20 for it if it was silver, which he
 capped by saying he would pay £2 if it was copper. So he filed
 & scraped a long time declaring it stoutly to be silver
 at each pause. At last he said something about its
 being lead, & at last <finally> went off muttering "Ah, nahass"
 (copper). It was really a grayish bronze, probably pot metal.

At sunset I went out to the northern small Δ by Δ^1 to take
 azimuth of passage; but after putting in candles & arranging
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 drill core 2 3/4 diam^r & 5 1/2 ins long; chipped at the ends, but
 not rubbed or weathered & shewing the lines; slightly conical like the granite
 core.

(4)

(189)

I am going into Cairo tomorrow for boats, & things from dahabiyeh, if it has come in. Also for money, as Ellis had not given mine to Brady for me; possibly it is with Loftie or Beaman. I find that staying rather longer here than I expected, & buying antikas has run me lower than I supposed would be the case. I have now £52; but expect to need £48 by the time I get home, even not paying any freight for my things. Hence for safety it would be well if I had say £15 more as a balance; this will probably leave me ^{actually} £10 or 15 to bring home. If this is sent it had better be as a P.O.O. to D^r Grant Bey, as then if it should not come before I leave, I can borrow of him if necessary; & if not necessary, it would be better for him to draw it & hold it, than leave it as a to & fro in the P.O.

I do not remember if I acknowledged the answer to my previous business letter. I was very glad of it, & to find that my views on matters were agreed on in general.

I am going into Cairo tomorrow for boats, & things from dahabiyeh, if it has come in. Also for money, as Ellis had not given mine to Brady for me; possibly it is with Loftie or Beaman. I find that staying rather longer here than I expected, & buying antikas has run me lower than I supposed would be the case. I have now £52; but expect to need £48 by the time I get home, even not paying any freight for my things. Hence for safety it would be well if I had say £15 more, in a balance; this will probably leave me <actually> £10 or 15 to bring home. If this is sent it had better be as a P.O.O. to D^r Grant Bey, as then if it should not come before I leave, I can borrow of him if necessary; & if not necessary, it would be better for him to draw it & hold it, than leave it as a to & fro in the P.O.

I do not remember if I acknowledged the answer to my previous business letter; I was very glad of it, & to find that my views on matters were agreed on in general.

I expect on Thursday to be off to the Faium
~~with~~ for my chase with the American wild
 goose: if a man will take me about for
 gratis over interesting country, why let him;
 there may be some ^{more} chance of finding the
 labyrinth, than of our previous object of a
 new Lake Moeris. I was sure to see
 interesting ground.

Wed. 29. March.

Dahabiyeh just returned, seen all
 I got my things out.

29. Cairo.

Letter rec^d - many thanks -
 The levelling does not affect
 triangulation at all; hence will
 not be so important if omitted -

The Khedive is enraged about the
 princesses going to a masked ball
 they are strictly immured, an uncle
 who abetted them, is imprisoned for
 5 years in citadel.

I expect on Thursday to be off to the Faium
 with for my chase with the American wild
 goose: if a man will take one about for
 gratis over interesting country, why let him:
 there may be some <more> chance of finding the
 labyrinth, than of our pervious object of a
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 princesses going to a masked ball,
 they are strictly immured & an uncle
 who abetted them, is imprisoned for
 5 years in citadel -

4

(191)

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for boats, & my things
from the Dahabiyeh, if
arrived - I expect, on
Thursday, to be off to
the Faium, for my chase
with the American
wild geese. If a man
will take me about,
gratis, over interesting
country, why, - let him.
There may be more
chance of our finding
the Labyrinth, than his
previous object of a new
Lake Moeris; & we are
to see interesting ground.

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for boats, & my things
from the Dahabiyeh, if
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Wed. v - 29 March

In Cairo,
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saw all, & got my things -

The Khedive is enraged
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28. Cairo -

Wed. 29 March - In Cairo,
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immured; & an uncle
who abetted them, is
imprisoned, for 5 years,
in the citadel -

28. Cairo -

(1)

Wednesday March 29.

Off to Cairo by 8 ¼; looked out for dahabiyeh, & found it just stopped; went on & saw Poë & Woodall; Gott being much worse his brother (who had come up to boat some way up Nile) had gone for advice as to his removal to hotel. I then went back to road to find my donkey, beckoned the boy on, & just as he was behind me he went on instead of following me, to the bridge where it had been said 'the dahab^h would be; so I had a long & hot hunt to find him. At last got him, loaded up my goods (about 1 ½ cwt, of photos & plates, chocolate, tins of pottery, stele, picks & shovels &c) & sent him back to Δ. Had a chat with various of the party, & shewed them sundry antikas that I had with me. <191> Then left them (seeing also Loftie, who was down looking after his traps) & on to town; got letters, & to Dr Grants, where I had a warm welcome as usual, & lunch. Saw some new antikas of his, including some of this find of glass, but he has not got such good ones as mine; he had however one of the four genii that I had not, & as I had duplicate of one genius, Smautf, we exchanged, agreeably to him as mine was perfect & his had lost feet; thus I have 3 of the 4 genii of Amentigard. He quite gives in my fossil wood scarab as genuine now that he sees the material; & it ~~is~~ is not <are> known before in such stone. After a talk went off shopping, getting some walking shoes; as my boots are nearly finished & my india rubber shoes every one worn through into several loose pieces: also got groceries & then walked down to bridge & took donkey back. Got in by 5 ½, changed clothes & out with theod^l of to the Northern of the small Δ's lit candles & took obs^{ns} for passage azimuth, which is very bad being as much as 14' W of pole. Then back to supper & Pub. Op.

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Thursday 30 March

Thursday 30 March After packing up & arranging (1914)
 things went off at 10 for Bulak station; got there about
 12 after a hot walk, donkey carrying things; waited
 till 1.0 for train. I could not find the ticket office at first,
 but after enquiring I went round to the outside of the
 building, & there under two high windows, I saw a clamouring
 clamouring crowd hanging on to the iron bars, thrusting
 their money in & demanding tickets of an easy-
 going official, ^{who had} a face like the moon for roundness &
 extinct volcanoes, which would have rejoiced an anti-vaccinator.
 Our crawling train went on at a leisurely pace, averaging
 with stoppages, about 13 miles an hour; during the journey
 I was amused with a fat rich Arab farmer, ^{with}
 accompanied by a servant who was just his complement
 for leanness; after a snooze, lying on the seat, the farmer
 woke up & called in a friend whom he saw at the station;
 the friend was but little removed from a skinny desert
 Arab, of the ugliest type, though dressed as a European; then
 began a long bargaining over some crops, & the oratorical
 gestures of the skinny fellow were amazing; huddled up
 with his feet on the seat he declaimed, expostulated,
 & argued with the farmer, turning out the palms of his
 hand, during a long speech, then holding up two fingers
 & shaking them, which he drawled out one word for several
 seconds, then stopping & pointing with one finger suddenly
 in an interval of silence, then quivering his finger &
 wriggling it like a worm, he began ^{again} with his slow but
 most argumentative & pathetic harangue on the excellence
 of the crops. The farmer burly & good humoured tried to
 cut the matter short several times, but could not
 get out of the steady flow of talk of the wiley-looking little Arab.

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 cut the matter short several times, but could not
 get out of the steady flow of talk of the wiley-looking little Arab.

At last I got to Medinet el Faioum by 6 $\frac{3}{4}$; went to Mason Bey's house, as Mr Whitehouse had told me, & M. B. himself opened the door; I had a short talk with him, & a first course of soup, while waiting for the train, the starting of which for Abu Kasah (pronounced Abúksah) is quite uncertain. At last at 7 $\frac{3}{4}$ supposing it nearly off, as it professes to go at 7 $\frac{1}{2}$, I went out to the train, & got into the carriage; here I waited till 8 $\frac{1}{4}$ before the train left, reading some pamphlets of on Nile management that M. B. lent me. M. B. is a Southern American; & as a confederate Colonel cannot get office in the States, & so <he> left like many others, for abroad. At 9 $\frac{1}{2}$ we got to Abu Kasah <(where Whitehouse had appointed to meet me)>, & here I got out, & enquiring for khawagas, was told there was one with a beard, staying at the sugar factory; so shouldering my baggage I went off to him, as I had no doubt it was Ellis, as another khawaga had gone over the lake that day; hence, doubtless, Ellis had been left to paint there, ^{while} Whitehouse went over exploring. When I got to the house, (an empty one belonging to the factor) I was shown in by the servant who went with me, & opening the door, I saw Ellis in bed under a mosquito net - & hailed him "so there you are, Ellis"; but up looked quite a different face, & a gentleman informed me that he was not Mr Ellis, & knew nothing of him. So with apologies I backed out, & not being able to hear of any other khawagas I went back to the train, & the officials, finding that I had made up my mind to sleep in the carriage, left me in peace. So unrolling my

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blankets, & finishing off some few biscuits that with me, ⁽¹⁹⁶⁾
I prepared for the night. Just before turning in, I saw
some camels passing, & wondering at the station
people working as late as that, I looked out, & there saw
Ellis & Whitehouse passing with their baggage. So
dropping out, I joined them & we ended by settling in
to the next room to Col. Monies, whom I had so
unceremoniously looked in on before. After a bit
of cold fowl, we went to bed, I turning in at 11 ½, & the
others much later. They had been round the N. of the
Birket Kurun, & come over in a boat, reached shore at
5 o'clock, & then taken 5 hours to get camels & come
up about 5 miles from the beach.

Friday, 31 March. We all turned up before sunrise, &
got the train at 6 ½ for Medinet, Col. Monies, who had
known W. before, going with us. At Medinet we went
to a Greek restaurant for breakfast, for which I was
quite ready, as I had had scarcely anything since last
breakfast in tomb. Then settling to sleep in Medinet to
day, we had a talk with Mason Bey in his office; he is
chief of the survey of the Faium, & can give the positions
of all points yet determined. After that, went off to
Biahmu, stopping at the mounds of Kom Fares just N. of
Medinet, to examine them; close to the town they are late
Arab, about ½ mile back early Arab, ¾ mile Coptic, &
beyond that, late Roman: I did not see anything that could
be put to Greek date. I found the hind quarters of a large lion
in grey granite, & the die of a column in red granite
which I photod. Here came on a fearful khamseen, which
blew directly over the immense mounds of fine dusty

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(2)

rubbish of the old town; it swept along in such a cloud that I often could not see the road I walked on, & to see the palms of at a furlong off was as much as could be done. It looked like the Essex marshes on a foggy day, but instead of mist, sand; instead of 40°, 90°; instead of a calm, a raging wind. Unhappily it was exactly behind the mounds, being a S. wind, & I requiring to go N., so that I could not avoid being in the very worst of it. I pegged on to Biahmu, asking my way; and by the time I reached the so called Pyramids, the storm had moderated, then a north wind sprung up and baffled about, bringing several showers of rain, which moistened without much cooling the air, & made it very oppressive for walking. I examined the 2 pyramids, & took several photographs [📷, 📷, 📷, 📷, 📷, 📷]. From all I saw it looks to me as if they were seats for enormous statues [👤] (and the Arabs call them "Pharaohs chairs") surrounded by a sloping wall [🏰] which formed a court around them, thus the apparently wild description of Herodotus, of two pyramids with figures seated on them would be fairly realized [👤, 🏰, 🏰]. I then returned to Medinet by 7, had dinner, a good wash, & to bed, by 9½. It is curious how common nose rings are in the Faium; one family of 4 little girls had each a ring, 3 silver & 1 gold.

Saturday, 1 April. Ellis went off back to Cairo. Whitehouse went down to the Mudireyeh for an official letter to take on the journey & I went down & returned with him [📷]. While we walked back the rain began, & continued in heavy showers all day; so that we could not start. I had a sleep in the morning, & in the afternoon we went between the showers to see the Copts that W. had known here before.

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198
 The schoolmasters were away as Easter holidays had begun & the bishop or abuna was at his siesta; so we had a talk to several of the boys & some priests. They brought us in large cups full of dark pink liquid, which was presented to me with a towel held under the cup. Now, was this rose water for washing the fingers, & the towel for drying on? or was it to be imbibed? Puzzled, so asked W. to begin; he politely refused; more at sea than before, — until they held it closer to my face, & then I made up my mind that it was to be drunk; lucky I didn't begin by dipping my fingers in. It was sickly sweet & aromatic, with rose water, & I had to sip slowly & often; the sight of a towel not over clean, just under ones nose, not tending to increase ones internal stability. Then coffee came in, which was a relief. I was much astonished at the education of the boys; there are 150 or so in the school, of which 70 are in the 1st & 2nd classes which are taught English & French; the 3 boys we saw, about 12-14 yrs old spoke English excellently; clear, distinct, good pronunciation, & seldom a wrong word. They were extremely polite & friendly, & pressed us to come to service tomorrow; which they assured us was very beautiful, every one bringing palms. (bring Palm Sunday). After W. had made many enquiries about places, we went off, a R.C. Copt pressing us to go & see his church; so we went & saw the three Franciscans here. One is a handsome, charming old man, a Tuscan (as they all he are) & he had a long talk with W. The youngest was a most conscientious & ascetic-looking young fellow. After a talk we went down & saw their tawdry church; which looks miserable after the oriental-Byzantine quaint ugly plainness of the Coptic.

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8
 Then we went to the mosque of Kait Bey, now half ruined & saw the fine bronze covered doors, & ancient capitals within. It is placed partly over a bridge crossing the Canal of Bahr Youssef which runs out in front of the mosque from under it. The mud was fearful, we could hardly get along the slippery streets; I saw two natives fall. Then after dinner, the rain came on again in a deluge, thunder & lightning incessant & everyone declared such a storm has not been remembered in the Faium. The rain came through the flat roof of the restaurant & completely swamped the floor; cushions, rugs, &c. were all huddled up in the billiard table to keep it dry, & some of the people took boots off, & went bare foot, not to spoil their shoes. One of the most comical sights of to day was a Coptic priest trying on my pith hat, which went almost on to his shoulders; & then in exchange he offered me a trial of his turban which much amused the rest of the party.

The rain was so heavy that it stopped the railway, by washing down the earth over it, so that a train was stopped up & the engine displaced.

l Sunday 2 April. At 3¹/₂ in the morning I was woken up by a Greek being shewn into my room, & appropriating the second bed which Ellis had before. After breakfast W. & I went to the Coptic church; we slid about on the mud anyhow, & on getting to the gate of the Coptic quarter, found a lake in front of it, which was running into a hole some men had dug, while they spread the dry earth over the mud. At last we got in, & found a considerable number there, all with branches or pieces of palm, which they were busy plaiting into ornamental crosses.

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during the service, chatting & laughing all the time. Three ~~plate~~²⁰⁰ collectors went threading & pushing their way through the throng, two with flat dishes of woven palm fibre, & one with a brass pan. A few piastres lay in each dish, & as the collector came up, a man would begin examining the half & greater piastres, & finally selecting two good ones, would drop his whole piastre, thus giving $\frac{1}{4}$: so the plates circulated, the time occupied by the examination of the change by the congregation being enormous. Towards the end of the service, every one began waving about the branches of palm holding them as high as they could; it was a strange sight, the half dark church, with light coming in from an open court joining it; very small, with two screens of lattice work; & all the air full of rustling branches of palms wildly waved about by the excited congregation. The singing was very curious, the men & boys antiphonally, in strange meandering pointless quaverings, not unlike the character of the old Saxon church music. After the waving of palms, the service was considered over, & a comfortable looking old priest who had on his head a white cloth with pink & blue embroidery of Byzantine style, came to the door of the little chancel, (which is screened off by a solid screen with two windows) & seemed to enjoy sprinkling the people; then our two little Coptic friends led us off, leaving a deacon reading as hard as he could, at a lectern, to whom no one seemed to pay any attention. After service I wandered out over Kom Fares again, picking up a quantity of ^{varied} marble mosaic from some destroyed pavement. After lunch W. & I walked out over the sloppy fields of mud to the obelisk of Ebgi; of Amenemha the III.

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