

Monday 3rd Oct^r

Left Bromley by 7.2; got to Cannon St

in good time; there not being any 2nd class on the part of the train there, I was put in 1st. In Dover by 9.35; steamer started about 10. It was very fine, but a chopping sea; many passengers turned bad at once. Held out for some time, & then tried the Nitrite of Amyl; I suppose I waited too long, for it did not save me. Happily my breakfast was safely beyond resignation. I found the Amyl soon gave me a light headache, through the temples, which passed off a few minutes after smelling it; and after a short time it became very nauseous to me. We did not leave Calais before 1, & reached Paris half an hour late; 1 out of 9 in the compartment were English speaking; but 2 or 3 of them Americans: two brothers going to Geneva not knowing anything of French, or even of the coinage. I drove to the Hotel Britannique; it is a half boarding house place; no ground floor, a not very large dining & sitting rooms, & 5 stories of bedrooms. Charge 6 to 1 ½ fr per room, breakfast dinner & service 5 fr. I had a top room for 1 fr on the 5^{ème}. All the visitors were English, & the proprietresses are Perret & Scott. ~~They are all about~~ Got to bed by 8 ½.

Tuesday 4th

After breakfast out to Louvre; found it not open till 10, as I was told, the 9 o'clock opening ceasing 4 days ago for the winter. So I skimmed about the neighbourhood, past the picturesque reddened & blackened ruins; of the Tuilleries^{sic} {Tuilleries}, &c. On returning at 10 found that the Egyptian Department was not open till 11. So I spent an hour on the statuary. The polyolith statues (porphyry &c) are curious but not first rate. The Roman statues & busts are a large collection, but I rather doubt some of the attestations; and one is irritated by the great quantity of restorations; so frequent are they that nearly every label had/ <s> a long list of them, which one needs to read through before one can begin to consider the statue. Everything =/ <> chronology, subject, & style is made subservient to effect & appearance. It's all very fine to stare at, but for study it is spoilt. The Venus of Milo I

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was much disappointed in, any one of the Olympia statues is far finer I think. Had a glance at the paintings; but had seen a catalogue & found that they were very poor in early Italian; not a single Masaccio or Boticelli & few Bellini's. I got into the Egyptian dept as soon as it was open. Here again effect is everything, & figures of every period all jumbled together, so that it is impossible to find what one wants. The most striking thing is the very fine work of a granite colossal & a diorite half size of Sebekhotep III of XIIIth dyn; they are far more refined & lifelike than the later XVIIIth & XIXth works, & more slender & beautiful than most of the early works; yet that period usually seems to be very poor & rude. I also examined carefully the small articles, bronzes &c. There is a very rich & well arranged collection, which being of small articles is not spoilt by scattering them for effect. Yet I could not find a duplicate of some of the things that I have. Then had 20 min. in the Asiatic antiquities, & out by 1.0. Had lunch at a restaurant which supplies soup, meat, fish or vegetables, & fruit & wine for 1^{fr}.60; very good & clean. Back to hotel, got my things & settled; & then took bus (.15) to the Lyon station. Could not get a corner seat, being rather late (10^m before time). Wrote thus far in the train. We had an officer, a soldier, a southern farmer with a huge dark face, which he tied up in a spotted handkerchief to sleep, & some other folks in & out; a party got out, & so I got a corner. We went on tolerably till Lyon, & there we stuck owing to bad - or no - arrangements for a body of soldiers. In all we waited an hour beyond time there. The consequence was our succeeding stoppages began when they should have ceased, & all was uncertain as to how long we might stop anywhere. I had

reckoned on breakfast in an hour's wait at Bourg; but there we did not stop for more than ¼ hr, & as I was told it was only to be for 2 or 3 mins, I got nothing.

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 country begins to yield to the hills; & from there on to
 Culoz it is very fine. Rocky hills about 500 ft high, often
 precipitous, & covered wherever possible with vineyards. In
 most parts the ascent was 1 in 100 sometimes 1 in 30. Just
 after Culoz we wound around a beautiful little lake
 (Bourget) about a mile ¹² across & ¹² long. I got some pears &
 bread at Culoz & breakfasted in the train. We changed at
 Macon & Culoz. Then we went up the valleys of the
 Saône & the Arc, the hills becoming more & more
 mountainous, until they received the final seal of
 respectability by snowy tops. The train was very slow
 though with two engines, so one had time to take in the
 splendid views of the Mont Cenis road. It was curious
 to see how sharply defined the snow line was, the height
 of a single fir tree showing the difference clearly. At
 Modane just below the tunnel mouth we stopped,
 changed carriages, luggage examined (briefly), & I had
 dinner. Then the train ~~would~~ wound up through a tunnel
 to the great tunnel; it took 16 min ^{to the top of the slope}
 inside, 10 min down, 26 in all. ^{through the tunnel} Then there were some
 beautiful pieces of sunset light on the snowy peaks, &
 we went on in the dusk to Turin: being a fine clear
 moonlight night one could see the country; but it
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 Turin I went to the place marked in the map as the Hotel de
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(H) printed form from a book, that they carry for notes & queries. Had a slight supper at the hotel & to bed by 11 $\frac{1}{2}$, the train being late & not reaching Turin till $\frac{1}{4}$ to 10.

Thursday 6th Slept solidly till 7 $\frac{1}{4}$, just easy time for getting up. Had breakfast & then off in the 'bus to the sta (charge 7.20 for sup, bed, & break^t); they are clean & very civil). Left Turin by 9.5 train; from the rail there are fine panoramic views of the range of S' Bernard & M' Rosa; today half hidden in shifting clouds, with blue sky above.

We had a splendid run all day in sight of the Alps; the skirting the Lago di Garda, especially beautiful. The train did not reach Venice till $\frac{1}{4}$ to 8. I took a gondola after carefully explaining where I wanted to go; but the man I spoke to handed me over to another, who knew no word of French, & who took me down to where the Austrian steamers start & then told me that there were none. We landed & found a German woman who spoke French; she assured me that the Peninsular & Oriental English steamer went to Trieste & would not be back for 4 days. At last I repeated to her (though I had told the man before) the name Bungalori (or Bancaloro as they make it) which immediately cleared up matters, she directed him & he took me there all right. There was nothing to be had to eat on board as all was locked up, & I had nothing since breakfast but grapes & two little breadstuffs; so I was famished. However I slept it off. We lie here just off the Doge's Palace, so I can examine easily from the deck. I send this off at Venice.

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Friday 7th Oct^r

This morning was very showery, so I was not encouraged to go ashore, specially as I could see the Doge's Palace & Piazza San Marco from the deck. So I walked up & down taking it in till we started about 10 o'clock. A German came up and made acquaintance very soon; he spoke very good English & was intelligent. Bye & bye I found my two co-cabiners, the third not coming on till Brindisi. Happily they are very pleasant: Col. Haig A.E., & M^r Van Sommeren of the Indian Post. Neither of them a very good sailors. The Col. is a solid & staid body, but not stuck-up; we have had a talk on theodolites after going to bed. Van Som. is a little lively enthusiastic man, but was unluckily worse than I was even from the small amount of motion we had. I went to bed at dinnertime (6) & slept most of the time till next morn.

Saturday 8th

Up & had a bath, & a rinse out of coffee; but succeeded in keeping some toast down, which I munched on deck. Col Haig resumed our theod. conversation, & seemed much interested in what the subject of improvements. I shewed him the rough plan I had of the Δ triangulation; & an Arabic gentleman (whom I had just spoken to before) stepped over & asked to look at it to my great surprise. A passenger to whom he was talking then asked me to explain some points; & I found the Arab knew all about it; still more surprising. At last it came out that he was Mahmoud Bey (the Egyptian astronomer) & he ended by saying that they were going to reorganize their cadastral survey, wanted surveyors accustomed

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to triangulation; & he wished to know what salary I should require. This was, as Frankie B. says, "quite sudden & unexpected", so I replied that it would be probably best if he was to assist for a month or two, for them to see what I could do, & for me to see what they wanted. This he approved of; so we exchanged cards, & suppose before we land I shall make some definite arrangement as to doing some trial work. Van Sommeren was very uneasy down in his cabin, but I persuaded him to come up on deck & have some dinner, & he improved by the process, so that in the evening he got up to singing point; & he was the only soloist on board is appeared, & no one would do his accompaniment but myself: so music is not of a very high pitch here; perhaps when the weather improved we may see more of the ladies. I got a good dinner, & began to enjoy the motion. Had a long talk with two antiquarian Americans who are going on a trip round the world: not very deep, but intelligent, & interests in novelties, & of ready comprehension.

Sunday 9th. Got into Brindisi about 7. A very fine morning, & delightful on deck. We lie alongside the coaling wharf, so we can easily go off for a walk. I shall post this if I can.

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Monday 10 Oct At about 4 or 5 we were roused by the coming in of about 50 passengers; they took some time to settle down, & further sleep was impossible. It was rather rougher, & sharp rain, & on the whole I did little but exist all day; about half the passengers were invisible, & matters generally unhappy.

Tuesday 11 Oct Col. Haig (who it seems was the Indian Gov. officer at the Vienna geog^y congress) again tackled me about the ratio of micro to telescope power in theodolites, the third time we have talked over the matter. He is interested in it, & apparently had not considered it before I found it a few days ago. The motion was rather less today, but still I lost my breakfast & dinner.

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Had some chess with one of the Americans (drawn) & a German
who beat me.

Wednesday 12 Oct. Sea quieter, only it ~~now~~ rolls instead of
pitching the vessel, & as my berth is cross ways, the angular
displacement disturbs one's sleep a good deal. However I
managed all my meals, & was better; the rolling was unusually ^{bad}
as the doctors bottles were much smashed by falls, &c, he said.
Many new faces appeared during the day, as the motion calmed
down, & by the afternoon Van Som. had got up to singing point,
& one of the ladies accompanied him. Had some more
chess with the German, but lost all; he is a very slow &
careful player. More music going on in the evening, in
which I found the use of playing accompaniments at sight. One
of the passengers is a civil engineer in Egypt, I find: I do
not like him, but he may be useful.

Thursday 13 Oct Had more talk with the engineer; he thinks that
I shall be probably able to pick up somebody who could do
what I want in levelling, during the next month or two.
During the morning I packed up. Had not a good
opportunity for a farther talk to Mahmoud
so determined to leave it till I could call on him
in Cairo, with Dr Grant if possible. We had
lunch early, & got ashore about 3 1/2. I
~~took~~ took a boat, & the man carried up my
bags. Went to Moss to see if there was any
hitch about sending on my boxes; all right apparently.
Then posted this.

3.
Alex^a

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[PAGES BLANK - NOT SCANNED]

Thursday 13 Oct^r We landed about 3.0; & as most of ⁽¹¹⁾ the passengers went off from the quay, I took a boat & rowed across the harbour, the man carrying up my luggage; this avoided the bustle, & was cheaper than a carriage from the quay, which is a long way out of town. I was really sorry to part from two such fellow travellers as I had; Col. Haig a ~~kindly~~ kindly man, & intelligent, without any official stiffness & pride; & Van Someren who was quite affectionate & confidential, an openhearted pleasant fellow whom all liked: two such agreeable & Christian gentlemen are not always to be met with. I went straight to the Hotel des Messageries, washed up, & then off to Moss to inquire about baggage. It will not arrive ~~til~~ for about a week, & then cannot be in Cairo for a few days. Then to Consulate, asking them to forward passport to Cairo. Posted last journal. To station for train times. Then a stroll out towards Ramleh. Returned about 6, feeling very lazy. Sewing on buttons, &c. Dinner at 7½, at which I laid in a sound meal; & then to bed.

Friday 14th After a slight breakfast off by 8.0 train to Cairo. Got a basket of figs, about a dozen or more for 2½. Saw the two American passengers at intervals of the journey, & chatted with them. Got to Cairo by 2½. Walked to hotel, where old Madame seemed as pleased to see me as the waiters at Alexandria (Mem. practical inference that bakhshish was sufficient last time I saw them, therefore repeat the dose in proportion.) Had a wash after the outrageous dust of the train. Then to Dr Grant, as I should catch him during his at home hours. Found Miss Mulock there also, apparently keeping house in Mrs Grant's absence. She came out to Δs last year, and was much pleased with her visit; a very pleasant & bright body with smooth grey hair, more like Miss Hance in style & mind than any one I remember. A gentleman & lady, whose names I did not catch,

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2 called, & recognized me more than I did them, from ~~the~~⁽¹²⁾ a
 Pyramid acquaintance last season. Also saw a case of
 leprosy who came to the doctor; the insensibility to a pin
 stuck into the flesh was very strange, the limb was smooth
 shiny & attenuated, but not scaly. Had a talk to the D^r about
 various matters. It seems that the active head of the survey here is
 a brother of a M^r Gibson I talked to on board the steamer, with
 whom the latter is now staying; expect to see my M^r G. tomorrow
 out at the Pyramid & shall then hear what I can of the
 business; perhaps the Egyptian brother will come out also.
 Also Gen^l Stone is said to be going to be put again into the
 department; ^{the officer I saw today at the D^r is in the survey;} so I have a good many threads to try to pull
 up my rope by. The D^r had seen Ali (by sending on a
 letter to him) the day after he arrived; had been to Maspero,
 & found it best not to do anything till I came, so it is well
 on all accounts (both for steamer-acquaintance & work at
 Δs) that I came as soon as I did. After looking at his list of
 visits, the D^r then drove down with him to Maspero's boat
 anchored off Bulak Museum. There I had an interview
 with M. He is an honest looking man; & appeared genuinely
 inclined to help me, beside expressing himself very friendly to
 the project. To save delay & trouble he proposed instead of getting
 a formal governmental firman for me, to put me nominally
 in his employment, as working under his own license; this he
 had done for other English last season & I could not see any objection
 to it, as in any case I must submit to him & put all finds at his
 disposal. This then merely needs his written permission, & a direct
 application from me to him, to be formally passed on as shewing to the
 ministers what he had granted. This firman from him he promised
 that I should receive on Monday, on applying at his office. I
 am also bound to take into pay at 2^s per day one of his own
 men for the work; of course as a check on what I do. After various

2 called, & recognized me more than I did them, from the a
 Pyramid acquaintance last season. Also I saw a case of
 leprosy who came to the doctor; the insensibility to a pin
 stuck into the flesh was very strange, the limb was smooth,
 shiny & attenuated, but not scaly. I had a talk to the D^r about
 various matters. It seems that the active head of the survey here is
 a brother of a M^r Gibson I talked to on board the steamer, with
 whom the latter is now staying; I expect to see my M^r G. tomorrow
 out at the Pyramid & shall then hear what I can of the
 business; perhaps the Egyptian brother will come out also.
 Also Gen^l Stone is said to be going to be put again into the
 department; < & the officer I saw today at the D^r is in the
 survey; > so I have a good many threads to try to pick
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talk mainly with the Dr on antiquities, we bid him ^{(13)³} good bye. I heard it said at the Dr's that he intends opening up all he can, & is willing to take in any English & German assistance that may be offered ~~to him~~ for research. Then we drove to a patient's nearer town, & I bid the Dr good bye. Walked up to the restaurant, & had dinner about 6. I had such a good feed last night, that I did not want anything after my breakfast, till the evening. Then looked at Pub. Ops. & letter from home, including bill of lading, which I will send to Alexandria. I forgot to acknowledge the letter (No 1) received at Brindisi, for which many thanks. Sat up writing this, & rough to Maspero, till 11 1/4.

Saturday 18th Off by 7 1/2; took donkey at the bridge, & rode out to the Pyramids. The boy was good, but a fellow joined on for about three miles, pestering the whole way for one piastre; he had the impudence to ask (through the boy) if I wanted a dragoman!! though he could not speak a word of aught but Arabic. On reaching the Δs I sent the boy back, & walked down to my tomb, shaking hands with various Arabs on my way, whom I remembered more or less. I then found my disgust that I had left my keys behind me, & so could not get in; I had intended to have cleaned it out, but had to give that up. I walked over the hill to Ali's house, but he was not in; & a man offered to fetch him. I then went round & saw that there was a funeral over at the cemetery under the three trees. Soon Ali came, as they all dispersed, & told me it was a daughter of one of the villagers that was dead. He was very bright, & asked how we all were in England, & I sat & had a long talk with him & others by my tomb, making a lunch of bread & fresh dates. The latter are not nice at first taste; hard, washy, & astringent; but I found our could feed on them very well.

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I then strolled up to the Δ . An American was just busy putting up in gigantic letters over the entrance, an advertisement of a quack medicine; of course it was disgusting, but the place is so mauled with ^{modern} graffiti that I really did not much care; & he was impervious to any hints, nothing short of a row would have stopped him. Then after sitting in the shade by the entrance (& noting that my station mark was not damaged) I waited till the heat moderated, & about 2^o went off to hunt chipped flints in the best site, as I found them so much appreciated at home. Sheikh Omar & Ali joined, the former after all sorts of attempts to draw me about my intentions of excavation, in hopes of a job. I got 20 flints in all; three of them very fine, better than any I had before. About four, as I was thinking of going, the two Americans, Moore & Watson turned up. With go-ahead energy they had done Sakkara in the morning ~~driven~~^{ridden} to Gizeh, & then done all up to the Pyramid. I shewed them the sprawling advertisement, at which they boiled over, & instantly put down a couple of francs each in my hand, with an urgent request that would see it being cleaned off; & wished to leave more even. They said that all the most beautiful places along the American railways had been disfigured with the same words. I went inside with Moore, (Watson turning back half way). & he appreciated all I pointed out. They then gave me a seat in their carriage back to Cairo (saving my walking back) & we got to town by about 7. I went & had dinner, & then looked up Mr Loftie's friends; found Corbett. He is a young Englishman, who is engaged to teach the Khedive's sons - & small nobility - the English; so he is working up Arabic to avoid needing an interpreter. He is strong in German, & art. I do not join up with him, but still he is worth knowing, & we were pretty intimate, before our hour's talk was over. Then back to bed.

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Sunday <(October)> 16th

To English church in morn & after waiting while some practicing was going on, I at last found that there was no service for two Sundays yet. Then to American Mission & no service in English, only Arabic, as only one missionary was there. Then out to Esbekiyeh again, & sat reading during the morning. After lunch out for a walk; & then enclosed letters to Times (which please copy, & forward <original>, perhaps <copy> the Globe as well) will shew what happened. I did not intend to go so far when I started, or should have left money at hotel, but I thought it safer in my pocket while in town. I have little

<Monday 17->

time to write before mail closes. I have sent brief statement to the Times correspondent at Alex^s, to telegraph about it if he will. Everyone who hears of it is up in arms about it. Mr Borg says that after identifying the men (which I have now done) I need not stop in Cairo, but may go to Δ's, & he will send for me for the trial. I shall, as far as any personal safety goes, be safer out there than in town. But there is no fear of any personal danger. Still this cuts off some excursions around the town, which I had intended.

4-
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Cairo
4-

4- Cairo -

[Faint, mostly illegible handwriting on a grid background. The text appears to be a journal entry or a list of notes.]

1882

4- Cairo -

Monday 17th Oct

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 & looked in at Shepherd's to see M^r Gibson. Saw his brother first
 (who is at the top of the survey here) & told him about the robbery,
 soon the one I knew came & I told him, both were astonished
 & indignant. I just brought in Mahamoud Bey, & his offer to me,
 slightly; M^r Gibson ran him down very much, & said that he
 never attended their committees, & knew nothing of what
 was going on. On leaving he said he should be glad to see me
 again, & see if they had anything for me; I asked if he knew
 of any young engineer here who would go out for a week's
 levelling, & he said he might very likely find one. Then to
 Consulate & waited for M^r Borg. He came & read my
 letter, handed it to the interpreter ^(a Turk) who read it, & then went
 with me to the Police; here after much waiting an officer
 of Police was found; then we returned to Consulate, & I went
 with a janissary (or rather kawwas) in a carriage, picked up
 the officer & a servant at the Police, & drove to the guardhouse.
 I identified it as soon as I saw it, & then we found the
 guard changed, & so drove on to Abbaiyeh. Here after
 more delay (about 1 1/2 hours) the whole squad of 30 men were
 got together & I then identified my two robbers, but did
 not see the friendly man, as I after found it was the
 captain, who was not standing with the men. They were
 arranged in a very bad way with their backs to two very
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each others presence, which was exactly the wrong thing; and I stopped it as soon as I could by remonstrating or questioning me only through a Turk speaking French, & demanded that I should not be examined unless with an English interpreter. I was astonished to find how far I could get on with question & answer in Franco-Arabic at a pinch. One fellow spoke such awfully guttural thick French I could not get on, but the kawwas was better. At last we left & drove ^{to get Hooker there, & shewed him Spurrell's card which much amused him} down to Cairo, reported to M^r Borg, & went to D^r Grants, to report, staid till abt 4 1/2; & then got some dinner ^{at the restaurant} for I had not had anything but two thimblefuls of coffee since my slight breakfast. Then I looked in on M^r Corbett & told him, he was furious & said he wished I had gone to M^r Malet (now knighted I think) the political man; but he would take care he heard it through M^r Beaman ~~the~~ who is an attaché here it seems. Then to hotel & wrote letters for mail. Out & posted them, got ~~a~~ ^a light supper (2 lbs of grapes, some soup & salad) & then thought I would look up Beaman; as I wished for his advice, & to be personally acquainted with him to have any benefit of his influence. So I went to hotel, but he could not be found until they unearthed him in Corbett's room smoking. So I had a talk to both. B. does not think so seriously of it, believes I shall have the money refunded, & says that they rob as a trade whenever they can, but do not bear malice afterwards. He has been twice attacked by soldiers in the Mokattam neighborhood, & fought them off; once with M^r Loftie,

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The reason I make a row about this robbery, is that the more it is known, the more likely the gov^t are to refund; in order to avoid scaring travellers away, just as the season is beginning.

Tuesday 18th Oct To Bank, spend acct, giving a receipt for the money from London, & receiving a receipt for the money from the bank here. They say that only £99 was sent, £1 being kept as commission; & if the whole 100 had been sent they must have deducted £1 for working the acct. So they take 1% in this way. It is rather fishy, as the clerk first said that it was the difference of exchange, & then afterwards that otherwise they would have charged it for the acct. They only take ½% on bills of exchange against letter of credit. Then to Consulate, heard that I should not be wanted until trial; & was registered (as I ought to have been last year). Then to Bulak Museum, & met Hooker just at Shepherd's, he says Maspero is thought very well of by a mutual friend. He offered to help me in any way. Enquired for the promised firman; my official request was taken to Maspero, & he sent for me. I found him very much down, saying he had had dysentery, & looking very bad. He was very kind, & gave me an order on Brugsch for the firman immediately, adding ^{to me} that if the official man did not come as soon as I was ready I need not delay in waiting for him. Then over to Brugsch's office, but the Arab clerk was gone, (just past 12) & would not be back until 2 ½. Then after lunch

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Went to Dr Grant, & reported progress; he urged me to look up Brakalis. Then I saw Gibson at outside Shephard's & bid him good bye. Then to Genl Stone who was as pleasant & amiable as usual. I told him of the robbery, of which he had heard report; he knows the Colonel well (having been commander in chief some years back) & he says the col. is an honest man who will wish for justice to be done, even against his men; so this is very satisfactory. An official calling, I left sooner than I had intended. Then to Bulak again but found they had shut up, though it was $\frac{1}{4}$ to 5, & they only reopened at $2\frac{1}{2}$. But two officials came, & after writing for Brugsch's permission gave me the firman. But one of them is to go with me to morrow to explain to the custodian at Gizeh: & being an old man I had to agree to take him by carriage. I am not sure but what this is Brugsch's doing, in order to tell the custodian to look sharp after me. Then went to hunt M^r Brakalis; a waiter (who was asked) joined in, & hunted him out effectually; but he was out, so I said I would call in an hour. I was told that he was a carpenter, but I saw nothing like it; he must be manager, if he is in that line, for he is very gentlemanly & intelligent. I went & had dinner, & returned, finding him in. I had a short talk on just the most important points; he is quite willing to give evidence, & desirous of helping in the matter; he seems to remember well what passed & was said; & this is valuable, as he does not know either the Copt or the coachman. Then shopping. Write up this & a letter to M^r Borg, & to bed about 10.

Wednesday 19 Up early & packed my things, out for carriage, & off by $8\frac{3}{4}$ to Bulak. Found that the young official I had seen was to go to Δ with me; this was better, as he spoke French. Got to Δ about $10\frac{3}{4}$; found that my permit was only for 1st & 2nd Δ s, & not for all as Maspero promised, this being Brugsch's doing

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 here were my friends, & I knew them all more or less.
 Got settled in & had some dinner by 7, ^{for} which I was ready
 as I had only had some coffee & two or three biscuits since morning.
 Ali sent me up a plate of vermicelli. The rats have
~~done a number~~ done a number of havoc in my tomb, & thrown many
 things off the shelves, bitten card boxes to pieces in
 search of contents, finished two packets of tapioca, &c; &
 the moths have got into the few biscuits I left, so they
 are all maggoty. I gave Ali £1 for taking care of the place, which
 he was much pleased with, & would hardly take.
Thursday 20 Up at 6, straightening things, & by 8 at
 Δ, where they had begun work. Ali had got 6 on the work,
 a man to dig, & a chain of 5 to pass the baskets up the
 passage, among whom were Abu Saud, Muhammad the negro,
 & little Muhammad; so it is almost a family affair. They
 worked very fairly, & Muhammad was all alive, doing
 more than his share & whistling & joking all day, even
 till sunset, finishing with a jackal race when he
 came out. I searched for edge of pavement in front of
 entrance, but could not find anything clear; also for
 pavement ~~some way~~ between entrance & NW corner, but
 though I went 4 or 5 ins below its level in two places, it
 was not there, so I cannot recover the alignment in
 that part. Then I went inside & watched work; a
 big lime stone was smashed up before dinner, & taken
 out in bits; but a bigger granite weighing about a ton

after his coffee in the village to look at my tomb & say good-
 bye: he was amused with it, & expressed surprise at
 my venturing or liking to live in such a place. As we
 drove up he saw me saying good day to an Arab, &
 asked if I knew him; to which I replied that all the Arabs
 here were my friends, & I knew them all more or less.
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20 I did not wish to smash as it had three worked faces & a drill
 hole which looked ancient, so I had it cleaned around,
 & then finding that there was easy room over it &
 two breaks in the side walls just below it, I jammed a
 piece of board ~~ag~~ across the passage & wedged the stone
 up from it; so it cannot slide. They got to the end of the
 rubbish so that one could see over it, & I expect a few
 hours more will clear the passage, unless there is a
 heap at the bottom. The chain was rather too weak,
 so I joined in it in the afternoon; & this made the
 museum man ashamed & he took a share, so we got
 on well. Went to work ^{at 8^o} in a narrow passage, in a chain
 with three negroes & five Arabs in various stages of
 undress down to ^{only} a waistcloth, & with the air so thick
 of dust as to shew shadows, is not pleasant ^{to ones nose & lungs}; chucking
 the empty baskets down, sent out clouds of fine dust.
 I went down to Omar's at dinner time to see his antiques. Some
 very fine bronzes, both Greek & Egyptian at very fine prices
 up to 5 Napoleons for a splendid sleeping dog, first
 class Greek work. I picked out three fine scarabs to
 encourage him, & made notes of the other things. A donkey
 boy brought over letters from Mr. Borg, fixing me to go to town on
 Monday for the trial, & saying that they had also fixed Brackalis.
 The rats upset my ink bottle so I have none to use, till I go to
 town. The actual amount of earth cleared out today is
 about 8 feet length of passage, or abt 1 cub ft in five
 minutes; the baskets weighing about 50 lbs, & passing in about
 1 1/2 min each, wages 4^s or 5^s, besides the 2/0 a day to Museum
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The big stone which made C.P.S.'s excavators stop is not at all a serious obstruction; now that I have fixed it, it can do no harm. The angle of the passage so far as it can be taken just as well with it in position, with only disadvantage is that it darkens the floor below it. Now it is 9 $\frac{1}{2}$ so I must go to bed, to be up by daylight for work tomorrow. Ali sent me up another plate of vermicelli, seeing that my biscuits were bad.

Friday 21st Woke before 7; stomach wrong with the bad water in Cairo, & I have been rather pulled down the last few days with it. Out to Δ , & found that I could pass down the entrance passage; but it was blocked before the mouth of the well, by rubbish washed in, though most of its floor was clear. It must be ^{open} close to well as I passed some way the fissure marked by C.P.S. I also saw evidently another fissure (at about A on his section) closed by inserted blocks, which evidently were not filling of a passage, as they ran skew across the entrance passage, in the same direction as the fissure does below them. Then I directed them to smooth down the stuff in the upper part of the passage, without taking it all out; & then to go to block at bottom & shift the stuff there spreading it up the passage, as it would be many times the labour to carry it up 300 feet or so, & we may find room to stack it in the Subt^r C; at all events I can get in there, & take requisite measures. Then out & hunted for saw cut diorite getting 4 pieces, 1 fine; & for great Δ pottery, getting about 20 pieces, some large. Took them to tomb, but felt so queer I took temp^r & found it 100° 0; just then Corbett arrived,

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(23)
 so I settled down for a quiet talk & lunch. After which
 he rested an hour or two (having been shooting on the
 way) & by 2^{1/2} we went out for a walk round. He
 much wished to get a jackal, & we sighted one, but
 the brute ran up the 3rd Δ to the top, & though we
 sent a man up we could not get him down again,
 as he ran round, ^{the top} & lay close under the stones.
 Then took a walk round, & down the hill by Great Δ; to
 tomb, where Corbett packed up & went off by 4^{1/2}. I
 then went to Δ, & down entrance to Mamoon's hole, where
 Ali had neatly packed the blocks of stone to help in
 going down, & retain some of the rubbish. They had
 smoothed it down, & were at work at the bottom. As
 the stuff had not to be carried so far there, Ali suggested
 to take some hands off it, & leave 3 there which will
 keep the air fresher. So then out & marked the four
 places where they had better work outside, for pavement.
 Paid the Museum man, but told him that he was not the
 sort of man I wanted, & Maspero promised, & that I must
 see M. about it. Then to tomb, ^{temp down to 99°.7}, had supper slowly,
 & to bed about 8^{1/2} for a long night.
Saturday 22nd. out about 8^{1/2}. Temp. 98.6°. Went into
 passage, & found them at work clearing the stuff & laying it in
 a layer up the passage. It was fearfully close & hot, without
 any ventilation, & 4 or 5 men at work & two paraffin lanterns
 burning. They pegged away all day & reported in evening that the
 door of the well was found. It is really a business to go down there,
 300 ft length of passage mostly in the dark. The upper part
 down to Mamoon's hole seem quite cheerful & airy in comparison.

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I then marked places in which to search for paving. Directed Muhammed for some time in clearing the rock step of pavement edge, which is now clearly recovered opposite the entrance. Went down to Ali's house to see his stocks of antiques at dinner time. Nothing important, but many nice things. I tell both him & Omar that I must wait & see if I get my money refunded, before I invest in scarabs & bronzes. At the ESE digging (i.e. on E. side abt 50 ft from S. end) there was no paving, but only rock abt 20^{ins} under paving level. At NNW digging there was again rock at 20.7 under paving level. At SSW digging they went 6 or 8 ins. under pavement level, & no surface found. So altogether it seems as if we must boldly tap the middles of the faces, before getting at paving or casing, & this is a heavy job. I measured the lower 28 courses of SW corner; entrance passage course is 669.0 to 708.3 over base; have not my N. measures to compare. ~~Top~~ 25th course 854.9 to 887.1. Then in back by ~~dark~~ sunset, & had supper. To bed before 10. Temp^t 99°.1 at 7.0, which is better.

Sunday 23 ^{Temp. 98.7 at 8} After breakfast, sat reading, & talking to Ali, &c, till lunch; then went out for a stroll over the neighbourhood, during the afternoon. In passing the Δ^2 temple was fortunate enough to pick up a piece of an exquisite limestone vase with parts of the titles, standard, & name, of Chephren on it; this is I think the first case of this name being actually found connected with that temple. Then back to tomb, a talk with Ali, & then supper. Temp. 99.3 at 8 pm; but I do not feel the fever much, only a slight sore throat & confusion of ideas. Arranged for going to Cairo tomorrow for the trial.

~~Please send by return mail a lamp stove wick 2 1/8 wide.~~

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I have got a lampwick in Cairo. (25)
 Monday 24th There was time for a full
 account of the trial. I came in by donkey,
 & got to Consulate, found Brakalis there, went
 with him & Sacroug the interpreter to the Police.
 There my account to Borg was taken as my evidence;
 then one soldier was examined. Then adjourned
 for lunch. Then at 2 1/2 we reassembled, but
 waited for the dragoman to the Prefect, who conducted
 the examination. Everything is done by this
 dragoman examining witnesses & accused, &
 having the results put in writing & read to them.
 These results then will be submitted to the Prefect
 as the evidence for his decision. I then put some
 questions to the first soldier, then the next was
 examined similarly, & I questioned him, but
 the officer hissed him down when he disagreed
 with the other; & the first leaned forward &
 whispered to him. Of course I checked it as much
 as I could, but it spoilt any examination
 of them. The third was similarly treated. Then
 the Greek was called, & gave his witness. I asked
 if he had mentioned the most important points,
 & to my surprise found he had not; so then
 requested to put some questions to him, & the
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me however, & consented to ask him whether he saw the soldier pulling me from the carriage, and putting his hand in my pocket, &c. But to my astonishment he denied knowing of it, though he had himself told me only a few days ago what the soldier said when he found my purse. I then saw it would only mar matters to go farther, so allowed it to drop. Then they asked if I could get the Copt & coachman. The Greek said he ~~could~~ would recognize the latter, & the case was adjourned till Thursday, for me to produce other witnesses. This is both impossible & useless. I went with the Greek to see if the coachman was on the stand whence he took him, but he was not. Then to D^r Grant's ^{by 6 1/2,} where I rested. He said immediately that the Greek had been brought over, & as to the Copt & coachman they would be quite valueless, or rather would swear anything to support the government. So that the matter is certain to miscarry now; the Greek having been tampered with proves this. Borg has not been at all active or vigilant, this being the state, it is worse than useless to find ~~the~~ other witness, & I shall not waste any more time or money on the matter than I can help. I sleep at D^r G's tonight, & tomorrow take my boxes, which have arrived, over to the Pyramids. I rec^d letters from home No 2 of 14 Oct. 1881. Many thanks for all the news.

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5. Cairo

Tuesday 25 Oct

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 before breakfast. After breakfast bid goodbye to the D^r
 & Miss M. & went to the Bank, drew £10. Then did
 some shopping, & left my bag at a chemists where I ordered
 some Hydrochlor. for Ali to clean coins with, & some Alcohol &
 Ammonia for photog^r. Then to Consulate & saw M^r Borg,
 who fears the case cannot now be supported; I pointed
 out to him how completely the Greek had changed front.
 He strongly recommended me to try & find the Copt, get
 him to the Consulate to depose, & then <-> if he turned, <-> produce
 his deposition. D^r G. had however told me that he & M^r
 Watson (the American Miss^y) considered the Copt worthless,
 the Miss^y saying that he could not even reckon on his
 Protestant Copts telling the truth, if it was against the
 Gov^t. Then to station, & found my boxes had not
 arrived yet, though my order was dated Friday. So this
 fixed me to stay in Cairo for a night, as I must see
 about them tomorrow. I am sorry, as the unboiled water
 here irritates my stomach very much. It is so thick with
 mud that a tumblerful is semi opaque; & as to its unseen
 contents, I had rather not have a microscope. Then I cruised
 all about the neighbourhood where the Copt left us, for the
 chance of running against him, but of course fruitlessly.
 Then to Hotel du Nil, found Corbett & he booked me for
 lunch. Beaman sat on the other hand, & I had some
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here. He sees nothing to be done farther in the matter, but says that Sir R^d? Malet mentioned it to the Minister of War two days ago, & found that he had heard nothing of it yet; at all events, he knows it now. I also heard somewhere that there was some mention of it in Alex^r papers. The more now, the better for me. B. said that he should hire twenty men at a franc a piece to swear to the robbery! if it were his case. This gives ~~off~~ a graphic though humorous view of witness here. B. says that the soldiers probably threatened to wring the Greek's neck, if he spoke the truth; Dr G., that he was of course bribed; & Mr Ebbsworth (head of customs here) that he is merely disappointed at my not bribing him. I think the Dr is nearest the truth. Then I had a quiet sit & meandering conversation with Corbett in the Hotel Garden. Beaman told me that Sir Julian? Goldsmid the director of agriculture (or something of the sort) had been asking him about me, if I would do for laying out <a> canal course, so here is another chance of business; the matter of accurate levelling would be just in my line. Then I went ~~to~~ to the chemist, fetched my bag & chemicals, & went down to Hotel D'Europe again for a night. Did not wish to fall again on Dr G., as his kindness should be reserved for illness; & I was not sure how long I might be here if my boxes should not arrive. Then I continued my Copt-hunt wandering in & out of the labyrinth of streets & lanes, guided by the sun. I must have scanned many thousands of faces to day; but what are they in a city of 400,000? I reckon thus; if finding the

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Wednesday 26 Oct Out by 9 $\frac{1}{4}$ to Customs Office at Station, not going earlier as I wanted to see Mr. Ebbsworth the director whom I knew slightly through Dr Grant. Found that he was away for a day or two, but his coordinator or chief man, an Italian who spoke good English, was very kind & attentive, & an English-speaking ^{Arab} sub. was also as attentive & helpful as possible. I shewed my list, & said that Mr. Caillard had passed my things before with a similar list; so they accepted it & only opened one box of biscuits, & a case of chocolate which they said was worth £3.10 supposing it to be in cakes; the sight of the tins settled it at once. But I had to wait 1 $\frac{1}{2}$ hours in all, to get 10 minutes work done in merely paying railway charges to Cairo, before any customs exam. could take place. So altogether I only just got it all done when they closed at 12. As the bridge closes to traffic from 1 to 3 I had not time to load & get boxes from Dr G. before it would stop me. So I determined to wait till the customs opened at 2. Went & had dinner. Then after long haggling bargained with a carman for two carts for 10/- to take all my boxes out. Went to Dr G. & fetched

Copt gives $\frac{1}{4}$ chance of gaining case, (& not more I think) he is worth £5. But the chance of finding him is not 1 in 20 in a days search I think, & hence (expenses here considered &c) it is not worth delaying anything else in this wild goose chase. Hence after to day (which I had to spare here) I shall not stop here to hunt him: It is possible the Greek may find the driver, but I hope he will not, as he is sure to make him useless - or worse - to me. Then had dinner at restaurant, & back to hotel where I wrote this.

Wednesday 26 Oct

Out by 9 $\frac{1}{4}$ to Customs office at station, not going earlier as I wanted to see Mr Ebbsworth the director, whom I knew slightly through Dr Grant. Found that he was away for a day or two, but his coordinator or chief man, an Italian who spoke good English, was very kind & attentive, & an English-speaking <Arab> sub. was also as attentive & helpful as possible. I shewed my list/<t>, & said that Mr Caillard had passed my things before with a similar list; so they accepted it & only opened one box of biscuits, & a case of chocolate which they said was worth £3.10 supposing it to be in cakes; the sight of the tins settled it at once. But I had to wait 1 $\frac{1}{2}$ hours in all, to get 10 minutes work done in merely paying railway charges to Cairo, before any customs exam. could take place. So altogether I only just got it all done when they closed at 12. As the bridge closes to traffic from 1 to 3 I had not time to load & get boxes from Dr G. before it would stop me. So I determined to wait till the customs opened at 2. Went & had dinner. Then after long haggling bargained with a carman for two carts for 10/- to take all my boxes out. Went to Dr G. & fetched

the instruments, then to station & loaded the carts. ⁽³⁰⁾
 Then renewed haggling, which to anyone not knowing
 their ways would seem like a determination on both sides
 to have done with each other then & there; but which
 really meant a gradual reduction of an extra claim of
 7/- down to 5/- 2/- 1/- 8^d & then nil. I said I would
 ride on the cart, & hence the claim; I carried the
 point by saying I should walk if I did not ride, &
 so not take some pet donkey boy of the carman's, for
 whom all the scheming took place. My reason mainly
 was that I had to take a bag of chemicals, & was afraid
 of the effects of the rattle & jolt of a springless cart on
 bottles of ammonia & hydrochloric acid on a hot afternoon,
 hence they must go ^{in the bag} on my knees; & so either I must
 ride on the cart, or take a carriage. But riding on an
 Arab cart is no joke. Imagine sitting on the top of
 your boxes, piled on a very narrow truck (for it is
 hardly more) going on four small wheels, without
 anything like springs, over roads none of the best,
 without anything between you & the lumpily
 corded deal boxes; & then being jerked about for
 7 or 8 miles in a hot sun, gripping on a cord by one
 hand, while you hug tenderly a bag of semi-explosive
 bottles in the other, a crack of which ~~who~~ would be
 destruction to all else in the bag. The first mile
 was the worst, & I hardly felt it by the time I had
 been 2 1/2 hours in situ. We got to the Pyramids just at
 sunset; unloaded & carried the things down to the
 tomb & put them in. Then another haggles over
 the cash; the men wanting bakhshish, though I had

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 the cash; the men wanting bakhshish, though I had

4 stipulated that the 50 piastres was to cover everything. (31)
 Of course I expected this, & gave them a piastre each
 readily, but refused anymore. At last they went off,
 & while ^{they were} rigging for the return, I opened a box, & took out
 a few ship biscuits for them. These they gratefully took,
 & we parted very good friends. Ali highly approved my
 way of being ~~very~~ tight with the cash, & then making a small
 unexpected present; & I know before now it is the only
 way to get their respect & good will at the same time.
 Then I was unpacking & supping all the evening. Wrote
 this & to bed about 11. They have got 15 ft beyond
 the mouth of the well; but it is tough work as they have
 to take the earth now so far up the passage, ^{to lay it down}, also they
 have come on another big block of granite. Outside,
~~some~~ of the sites I marked have been dug, apparently
 fruitlessly, for pavement; & the most likely place is so
 very tough to get through, in concreted rubbish, that they
 can hardly get on. The deepest socket of the Δ^2 has
 been considerably cleared, & high masonry found beside
 the deep hole that Omar dug down to the rock last season.
 I told Ali to go on with the passage; & to clean up the
 shallow sockets of Δ^2 , & granite casing stone in situ
 there; & would see the deep holes on Friday.

Thursday 27 Oct Heard a mouse at intervals through
 the night. On getting up, just as I was going to have my
 bath I heard a noise again, so went & knocked things
 about to frighten the mouse; hearing a strange
 scraping noise I looked down, & saw a snake.

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Now when you are destitute of clothing or tools, it is ⁽³²⁾ somewhat startling in a half lighted tomb to find four feet length of snake just beside your feet: hence I retreated; then grabbed some clothes, looked out & called Ali, who in his turn called an excavator, & began all together a hunt. The Arabs are so desperately scared by serpents, that I had to do the killing business myself, but after moving three boxes I despatched the beast with a crow-bar, cutting off his head, & carrying the body out in triumph. It was 47 inches long without the head, & not killed quite straight: it was not a Cobra, but a desert snake. Then I washed & dressed in peace, bolted a scrap of breakfast & off to Cairo. It was a very misty morning, so that you could not see 50 yards, & the moisture settling thickly on everything <one's clothes & hair included>. Mr Bluett's hold-all proved most useful as a cape, to keep my shoulders dry in going; though on my return it was properly used for a host of cucumbers (16 a penny now) & sundry fruit &c. My snake had delayed me so that I could not get to Cairo before 10 ¼, but I found Sacroug (the interpreter) had had to go to Bulak to inventory the goods of an English engineer who died there yesterday: he has to take inventory of things of every British subject who ~~was~~ dies in the range of this Consulate. He came in about ¼ to 11, & we went over to the Police; Brakalis did not turn up, which I was very glad of; as after his conversion to the other side, I should expect that the coachman, if he found him, would be of no use to me, but rather the contrary. So I said I could not find the other witnesses, & only wished to add a distinct affirmation of all I had stated & a denial of the charge of examining the powder magazine, which the soldiers alleged. This Sacroug


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³² duly translated to the clerk, improving it in one or two points. ³³
 Then we left, after hearing that the case would come
 before the tribunals after the feast of Beiram which
 begins next week; and I should have due notice. Then I
 went straight to the Bank, but though before 12 by post time,
 only 5 min past by solar time, I could not get any cash till
 they reopened at 3. Such a long piece out of the day is
 very awkward, & I wanted to return to Δ . So I had lunch,
 & did some shopping. Then to Dr G., & waited till he came
 in, had a short chat, & bid him good bye when he went
 to dinner, though he pressed me to stay; but I wanted to
 get back early. Then off, but the bridge was closed, & I
 had to wait about 20 min. The scene of opening the bridge,
 is almost as fine as closing it; the crowd at each end
 eagerly waiting, pressing on the chain across the road, an
 official switching any who squeeze too far; then as
 soon as the swing bridge is refixed, the chain goes down, &
 every one rushes forward, galloping racing & running
 for a couple of hundred yards. Then the two streams meet
 in the middle, & get checked & settle down to ordinary paces.
 I got out to Δ by 5 $\frac{1}{4}$, just as the men were leaving work.
 They have got into the Sub^t Chamber, but find it much
 encumbered with Perring's rubbish. I must examine
 it tomorrow. Thus, ^{in a week} for about £3 we have got the
 chamber open, cleared Δ^2 sockets well, & made for
 8 trial diggings for pavement around the Great Δ . This
 is satisfactory, & I hope to do a good deal more at this
 rate.



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 chamber open, cleared Δ^2 sockets well, & made 7 or
 8 trial diggings for pavement around the Great Δ [☉]. This
 is satisfactory, & I hope to do a good deal more at this
 rate.


Then, after supper, unpacking & arranging photo apparatus. ³⁴
 Both my developing dishes are broken: I have patched them
 so that they may do, & it is possible though very awkward to
 do without them; being ebonite I thought they were safe not
 to smash. All the glass has come safe, except a bit out of the
 top of the ruby lamp chimney, fortunately of no consequence, if
 the crack does not extend, & I have cut it with diamond to
 stop it. I screwed the cap of the theod. stand with three screws
 to the base of the camera thus:  finding that
 the brass screws in it would not come out. Then
 wrote this & to bed about 11 1/2.

Friday 28 Oct First we had a long settlement with the
 excavators. Ali does not wish apparently to pay them daily, &
 then I have been away so much, that I had never yet settled
 with them. But the rub was to get change; I had only gold,
 & did not change it in Cairo, as it is 4^d or 6^d advantage
 to the Arabs here to get gold for silver; hence I always give
 Ali or others the benefit instead of a Cairo changer. ~~But~~
 However they mustered £2 of change, & so I paid up the men
 for 5 days; but Ali arranged it queerly, by my paying the lump
 sum each day (often in dollars &c) & then the men dividing it by
 individual arrangement. It was easiest to me so I accepted
 the plan. Then a man (Ali's brother?) brought up a lot of
 pottery &c to look over, which he left here till I had time. Then
 I went & saw the excav. about Δ^1 ; set them to clear
 between the azimuth trenches, & to go on with the hole on
 W. side. Then Ali went off to Cairo for business. I went to
 Δ^2 , & saw that the granite casing uncovered is very
 important. It is thus,  at A turning almost vertically
 down; & vertical height AB = 41 1/2 ins. The alignment at A is
 apparently in line with the raised square of rock at SW .

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the ~~meaning~~ ^{meaning} of which is now clear. Its level is that of the ⁽³⁵⁾
 under side of the casing block; & the reason of the raised
 square is really a sunk space around the corner, in order
 to make enough depth for paving  as the height of
 19 ins or so of vertical part of casing would make pavement so thin
 that it might ~~crack~~ crack; hence they lowered the rock outside
 the casing, to make 20 1/2 ins space for height of paving. Then
 looked at other diggings, & went inside Subt^r Chamber D.
 It is manifestly unfinished; not left rough merely to shew
 that it was undefined, but with all the workmens trenches
 remaining shewing exactly how they cut up the ground &
 broke the rock out. Unhappily Perring has covered nearly
 all the interesting part with stuff out of the well, which he
 has piled close to the ceiling; from this & the height of chamber
 at E, & the well, I cannot measure diagonals or the width
 at W. end; but I shall be just able to take lengths. In some
 parts the rock left unhewn away is within 10 ins or so of
 the ceiling. The ceiling is very wavy, ± 3 ins; the walls
 rough $\pm .7?$, & projecting masses left in parts. The little
 chamber before the Subt C. is very roughly done. There is
 no reason against clearing some of the passage rubbish
 down into the chamber, as it will intrude 1/4 to that
 already there. I should not like to fill the well, as some
 one might wish to raise it to water level, some day.
 An important point is a red line in the ceiling & wall at
 82 (4 cubits) from W side of door; but door is 32.2 wide, &
 hence the line is not an even number of cubits from E wall, as
 one would have expected. Then out by noon. To tomb, &
 looked over another mans antiques, buying a few. Then dinner,

the meaning <meaning> of which is now clear. Its level is that of the
 underside of the casing block; & the reason of the raised
 square is really a sunk space around the corner, in order
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 19/1 ins or so of vertical part of casing would make pavement so thin
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 photos to try exposures [☞, ☞, ☞, ☞]>. Then dinner,

& preparing all the stocks of photo solutions &c. ³⁶
 my scales & weights; I took a piece of blind lath, ^{fixed a wire in middle to support it} marked 10 ins from
 middle in each direction, & then with a sovereign (120 grs)
 as a weight I weighed off my quantities, laying the salts on
 the strip of wood, in a heap centred at a given spot. Omar
 came buzzing about, & at last came out with his views
 as to the greater speed of contract work, this being the only
 man to arrange such here. But as it costs 5 or 6 times as
 much, I pointed out that I was so wholly uncertain how much
 I wanted moved in any place that it was impossible to contract.
 Then out & looked at diggings; there are so many big blocks of
 lime granite & basalt on E side Δ^1 that they could not yet
 reach pavement; all very interesting. In the compact
 rubbish of the W. heap they sunk 5 ft deep & 4 ft diam in
 one day by one man; a second lifting the rubbish from
 the excavator's head level, & a third carrying it off. So at
 a depth of 12 ft or so, 3 men cut out 60 cub. ft of hard
 rubbish a day, or $\frac{1}{2}$ per cub. ft. So cutting in rubbish
 heaps may on an average be put down at this I suppose.
 They had not reached paving level yet. Pavement edge has
 been found in hole WNW, but inside the casing ^{think}; it
 will be farther cleared. I took some more plates as trials
 in preparation. Then down to tomb, & supper. Ali came in
 & brought letter (No 3) & Pub. Op. Many thanks for a long letter.
 Then I developed the 7 plates of to day. All are good, with
 plenty of detail. & I conclude that $\frac{1}{5}$ second (or less even)
 is enough for ^{bright} distance in sunshine, & 2 or 3 seconds
 for black basalt in shadow. Then wrote this, read Pub. Op.
 & to bed abt 12.

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Saturday 29 Oct

36 Saturday 29 Oct Looked over a lot of antiques of Ali's brothers. Then after breakfast to excavation between Azimuth Trenches; the basalt paving is found, but it is broken up before reaching the middle, & the space ^{is} full of blocks of basalt limestone & granite. Then to excav. on WSW; found it just below pavement level, so made them run an arm-hole down, & reached rock at 19 below pavement level. This hole is about ~~12~~¹² ft deep of present cutting; & 30 ft or so below original top of rubbish heap, before the Arabs hacked it up; after such a dig it is a pity not to find anything. I fear I shall have to strike at the centres of the mounds ^{as this was about 1/3 of the base from the sac} ~~as this was about 1/3 of the base from the sac~~. The levels I take to an inch or so with the vertical mirror, looking at the nearest course, & assuming the courses equal & level throughout: the mirror is invaluable for such approximate work. Then took men off there & put them to clear of paving found in WNW hole; this is unhappily within casing alignment I believe, & is much rounded at the top, hence unless I can find it farther out, it is useless. They found a joint proving the stone to be in situ, & therefore paving. Then to dinner. Suliman brought ~~to me~~ various antiques; but nothing that I wanted. Then after dinner went out again; having set the men to dig between azim. trench line & Δ^1 for intermediate paving. Went up Δ^1 with camera & tripod; took a lot of plates of high Nile; wished to do this as it is hardly ever taken at this season, & the river is going down. Got some very good ones, but the wind blew the cloth about so much, that the light got at some of them. Then came down, & took 3 of the casing stones: I must have one when the sun glints down the surface, next Feb^y if I can. Then down to sub^t chamber to see how the men were getting on; I have not had the passage cleared, but only cleared for easy access; but it is cleaned at the bottom to shew form. I must do all the measurement of it when I can get an assistant here. Then out, & to WNW hole & Δ^2 SE socket which has been farther cleared, shewing a large black stone apparently in situ on the outer side of it.

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Then to work. Paid up all the men to tonight, as Ali had got change. Then supper, & after it developing the 14 plates I took today. This takes abt 2 hrs. Roughly a plate takes 10 min to take, selecting place, &c; & 10 min to develop. Hence if I use 600 plates in 100 days, it is 6 per day; = 2 hrs work in all, daily average. Then finished letter to Mrs. B. wrote up this by midnight. I intend going to Cairo to service tomorrow, & leave here abt 8. I shall post this. I send a notice which would be well to send to my pap- who noticed the affair of the robbery. There was a lovely sunset this evening of wisps of carmine, on a tawny sky shading to green -

All the aerated cakes ^{Δ &c} are hopelessly mouldy & spoilt; the biscuits are quite good. I do not think it is worth sending out more separately; but if there should be any reason or opportunity for sending them, I should be glad to have them for variety. My ebonite developing trays were smashed; & if sending I should like to have a couple (3¼ x 4¼ plates) as at present the one I used use has a side stuck on by sealing wax; and it would be as well to have a spare Ruby lamp chimney (Edwards' candle lamp size) as mine is cracked, & may break, which would almost stop me.

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VI Cairo-

Sunday 30 Oct


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Monday 31 Oct Out about 7½, & went round directing the men where to work. Had 4 parties of 2 men each to day, all outside; rehoming the entrance ^{to be} as far done as is worth while. Set them on ground between azimuth trenches; on inner end of ENE trench; on paving found WNW of Δ^1 ; & on SW socket & granite casing stone of Δ^2 . Then just as I returned to tomb, Mr Hebditch ^{from Dr Grant} was announced; & I found him with his wife & daughter, just above here. Went with him up to entrance Δ^1 & there left them to go up Δ , while I returned for breakfast. Then out, & did a bit of digging while they came down. Joined them, & went to Granite temple & sphinx, & pointed out various things. Then bid them good bye about 11¼, & went round my men again. Back to tomb by 12½. I find that small parties are best, as then they do not over run ones attention; whereas with many men in one place, they would require constant watching,

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to avoid wasting labour; whereas a round, occupying about ⁴⁰ an hour, to each of the pairs at work, about thrice in the day keeps them all usefully employed, & leaves me some time for other work. The general result of the day was that the basalt paving is torn up in the line of the trench centres; & that between that & Δ side, the paving is also gone. That the ENE trench runs along inwards for some way, but very shallow, & the end of the deep part is known within 10 ft now, & is to be cleared. That there is much strange rock cutting at the inner end of the S. trench on the surface, which is being cleared. That there are ^{at least 3} three paving stones joined in the WNW hole but all within edge of casing, & hence worthless, unless we can find another farther out with the trace on it; for this a fresh shaft is being made. The casing stone rubbish will bear tunnelling in for several feet, if treated carefully. Shafts about 6 or 8 feet deep cost about 3^d or 4^d a foot depth: & I think it best to try such in all likely places before tackling deep cuts in the high rubbish. Thus after dinner made a snap-shutter for the camera, making it work in the place of the diaphragm; in fact a diaphragm of thin tin plate with a shutter with radial slit, sweeping over it.  tried it in various exposures, or rapidities of shutter motion, from a snap of $\frac{1}{20}$ sec or so to 1 sec. It passes $\frac{1}{4}$ of the light of the an equal exposure with ^{plain} diaphragm. Hence 1 sec is = $\frac{1}{4}$ sec with ordinary $\frac{1}{4}$ inch diaphragm. On developing in evening I found that this gave brilliant results, & that the $\frac{1}{10}$ or $\frac{1}{20}$ sec = about $\frac{1}{50}$ sec of plain diaphragm could be developed to visibility, but not more, & were very poor. I also tried printed positives in even, by simply holding a negative over a plate (with $\frac{1}{4}$ black cloth in my hand) & then lifting the ruby glass off the candle; this for 20 seconds or so at 1 foot distance gave very good prints; & it is a very simple method.

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40
 After doing my camera shutter I went round the men again, & then did a bit of digging myself. Then in by dark, had supper; developed & printed plates as mentioned, wrote this, & to bed about 12.
 Tuesday 1 Nov^r up, out about 7½; directed men for the day, & then back to breakfast. Fitting small shelves for feeding utensils. Then up to see about things Ali reported; while looking about saw two travellers arrive on donkeys, & soon after Ali told me that two gentlemen wanted me. So I went down to tomb, & there found ^{from Dr Grant} the Rev^d W. H. Daniels of Chicago, who has been librarian of one of the uni colleges, & is a very intelligent man & a friend (Mr Peck) who is head of a large college at Abingdon, Illinois. Mr D. has written several works; his object now is to go over Egypt & Palestine, & shew how by care & economy such a trip is within the reach of a large class of people, who at present regard it as beyond them. He is also much interested in Δ & C.P.S. views; though not holding to C.P.S., & his wife (not here) is a warm Piazza-ite. It was near noon; so we took them in. ~~at lunch~~. Then strolled out to select a tomb for them to sleep for one or two or three nights, (for they camp out) & then had lunch. After sitting in the cool, talking, we went to the Δ, & after a talk, went up. Mr D. was much afraid to go being very dizzy, but we got him over it all right. They of course had the regular two Arabs each, & needed them. We stopped till sunset on the top; I pointing out all the details of the neighbourhood, & both of them writing hard in their notebooks all the time. Measured the place of central pole to the mean plane of each side; judging mainly by the arises to avoid the hollowing of the sides. Took four independent estimates on each side, which yield

216.0 to N	225.0 to S	sum	230.8 to E	200.1 to W	sum
±.5	±.6	441.0	±.4	±.5	430.9
		±1.1			±.9

216.0 to N 225.0 to S } sum 441.0 ±1.1
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

The sums E-U & N-S not being the same looks as if ⁽¹²⁾
 there was some mis-estimate somewhere. But as
 it stands it yields an excess of the pole 15.4 to W & 4.5 to N,
 which is somewhere about the difference between pole &
 crossing of diagonals, if I remember right. Then we came
 down, to tomb, & had dinner; after which, & washing up, we
 went from 8 to 10 1/2 for a moonlight stroll round Δ^1 to
 Δ^2 , down the causeway, to granite temple, sphinx, & back.
 The irrepressible note book came out & we wrote 14 pages of
 notes by moonlight, during the walk. Then back, I rigged up
 the spare bedstead in their tomb, & left them all comfortable.
 Found they had left a towel, took it down; then we asked if there
 were any animals &c about, so I said there were snakes
 occasionally; now unluckily he has a horror of snakes, & so
 declared that he could not sleep there. ^{He then asked, & had the painter} I found him wandering
 about looking for a snake-proof place; ^{I wrote this & to}
 bed about 12. Excavations today, found pavement again
 at WNW of Δ^1 , but all within line of casing. Found very
 strange rock cutting on surface above inner end of trench,
 found bottom of rock of ENE trench about 3 feet under
 sand, & trenched across it: & followed side of trench to
 find where the inner end of it is. I do not so much
 mind taking a day or two for visitors, as I cannot do much
 beyond direct excavations now, it is so hot; & I cannot do any big
 jobs which continually looking after the men.
Wednesday Nov 2 Ali had told me that no work would be
 done today as it was Beiram; so on hearing the
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half an hour after sunrise; a south wind had set in ⁽⁴³⁾
 very dry & hot, & the distances were as clear as possible.
 Cairo & the hills stood so clear against the sky that I fetched
 out the camera & secured them, & also a lovely bit of a
 village in the still water, ^{all these have developed finely.} every palm tree doubled; then in
 I had bath, & got breakfast ready. My two friends
 had looked in, & then gone for a walk to sphinx &c.
 About 9 they came in, & had breakfast. After which
 Mr. Daniels turned so dead-beat with his walk, the hot air,
 & stiffness of ascending Δ yesterday, that he collapsed on
 my bed & slept a couple of hours. Meanwhile I arranged a
 camera stand to tilt camera to 45° (merely thus )
 & then went off up to Δ , up SW corner, & along the face to
 the end of S. air channel; there stood camera in place,
 got plate in & all ready, & then waited for sun shining down
 the ~~pass~~ channel. The heat was fearful; in a sort of
 recess or focus in the face, no wind perceptible, & a
 full sun above, in a very hot air off the desert. The stones
 were so hot, though light yellow, that I could not grip
 them well in climbing, but had to hold on by the tips of my
 fingers. However I got three plates, after standing about
 20 min or $\frac{1}{2}$ hour in all. Two of them shew the passage well to
 45 ft from entrance, & ~~is~~ partially at 80 ft or so. The
 worst ^{in all of them} is that the stone available to hold the camera is so
 narrow, that the camera blocks up about 6 or 7 of the 9 ins
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best tombs of the neighbourhood, reaching Δ entrance ⁽⁴⁴⁾
 by dusk; this was arranged so as not to be bothered by Arabs
 or travellers; Ali knew it, & turned up to help. I was
 glad to get to the smooth stones of the passages; for I had
 recommended ~~Mr D.~~ to go without his socks; but soon his boots
 blistered him, & I gave him my rubber shoes, & went
 bare-foot all the afternoon; the small stones about
 nut size, are the worst for punishing ones feet.
 We then spent about 2 1/2 hours inside; seeing all the
 usual parts thoroughly. The general result is that
 after seeing & hearing all, he said he felt "as if he had
 been to a funeral"; being grievously disenchanted,
 as dear Sydney Hall was. Then we came down to
 tomb, had supper most satisfactorily on soup &
 tapioca. Then I developed plates. Then wrote this, &
 to bed about 1 1/2.

Thursday Nov. 3 ^{going off to Sakkeara} was awoke before 6 by Mr Daniels, ^{wanted}
 his boots that he had left, & his valuables which he had deposited
 with me for safety. So I tumbled up, & let him in. Then he
 packed & arranged the ^{his} food supply which was deposited in my
 tomb; & then he & Mr Peck, sat down to breakfast before
 they started. After that the men came for the days work,
 so I bid goodbye to Messrs D. & P. who warmly thanked me
 for the help & information I had given them (I am afraid to
 say how many dozen pages of note books they filled, by cross-
 questioning me on all subjects) & invited me to visit them
 if I should ever go to America. I told Mr D. to call at
 Bromley on his return to London, which is his present

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4 head quarters; both because I thought he would be much
 liked & appreciated, & also as he had got sundry facts
 noted which we might wish to publish first, & hence it
 is desirable to keep him in hand, & see him before he
 publishes (with Hodder & Stoughton); but as he is quite
 willing & desirous to expose all that is false in Pyramid
 theories, it would be a pity to lose the opportunity of
 correcting them by
 his independent witness, & the circulation of his books.
 Then went off & fixed all the diggers; & then back to
 tomb by 8; turned in & slept a bit more. Up at 9, washed
 & dressed. Then after breakfast out again to the men. The
 work to day has been clearing in part by trenches, the inner
 end of the ENE trench; which is strange, & quantities of mummy
 bones in the bottom of it, as if it had been used for burial,
 or rather (as they are disturbed) as if mummies had been taken
 out there, & broken up. Also clearing the inner end of S. trench,
 which has a curious channel cut in the rock winding
 away to E. & with holes irregularly cut in the sides of it. Also
 sinking a fresh cut in the W mound of Δ^1 , in which they
 reached rock under paving level; & may perhaps find
 paving tomorrow, by running nearer to Δ . I have 8 men
 going altogether. I intend to go on quicker than this soon,
 but wished to get accustomed to their ways of work, & to find
 what wants to be done, before entering too largely into
 the matter. Then measured courses very carefully up the NE
 corner, getting up to No 36. Then down to a late lunch. After
 that sorting & examining all the photos I have done, rejecting
 duplicates, &c. At present I have generally taken two plates

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 liked & appreciated, & also as he had got sundry facts
 noted which we might wish to publish first, & hence it
 is desirable to keep him in hand, & see him before he
 publishes (with Hodder & Stoughton); but as he is quite
 willing & desirous to expose all that is false in Pyramid
 theories it would be a pity to lose the opportunity of
 <correcting them by> his independent witness, & then circulation of his
 books. Then I went off & fixed all the diggers; & then back to
 tomb by 8; turned in & slept a bit more. Up at 9, washed
 & dressed. Then after breakfast out again to the men. The
 work to day has been clearing in part by trenches, the inner
 end of the ENE trench; which is strange, & quantities of mummy
 bones in the bottom of it, as if it had been used for burial;
 or rather (as they are disturbed) as if mummies had been taken
 out <of> there, & broken up. Also clearing the inner end of S. trench,
 which has a curious channel cut in the rock winding
 away to E. & with holes irregularly cut in the sides of it. Also
 sinking a fresh cut in the W mounds of Δ^1 , in which they
 reached rock under paving level; & may perhaps find
 paving tomorrow, by running nearer to Δ . I have 8 men
 going altogether. I intend to go on quicker than this soon,
 but I wished to get accustomed to their ways of work, & to find
 what wants to be done, before entering too largely into
 the matter. Then measured courses very carefully up to the NE
 corner, getting up to No 36. Then down to a late lunch. After
 that sorting & examining all the photos I have done, rejecting
 duplicates, &c. At present I have generally taken two plates

of any important subject, with different exposures, in order to secure it, & to become accustomed to the proper time of exposure. Found by tasting, that I had not washed them enough in many cases; so in evening I washed a dozen or so again. Out by 4½ round all the digging, shifting men ~~to~~ to different points, according as they had worked far enough or not. After much haggling during the last few days, he has secured for me a splendid core of a granite tube drill hole; it is 4¼ ins long & strange to say tapers from 1.98 to 1.76 diam, shewing that they had stones set along the drill (inside at least) to increase the width of the cut as they progressed. It also proves that the motion was continuous circular, not reciprocal, as I can trace the deep clear grooves on it round & round in a spiral. Also the grooves are produced by ^{cutting} two stones, i.e. there is a two thread spiral; & the distance between successive turns is .11 inch; shewing that they advanced 1 inch in 9 turns of 6 ins circumference, or 54 inches run. It is in several points a farther proof still of the use of tube drills, & is a brilliant specimen of the work, but I am not surprised at its being found as there must be thousands of such in existence. Somehow the old man who had it seemed to know it was worth having, for I only got it for 1½ francs, whereas I should have expected they would have thought nothing of it. He sold it with a carved wooden face life size, of rough work, late Egyptian, for 4 fr. Then washing photo plates; & having supper; & then after writing this, to bed abt 9½. I intend to go to Cairo tomorrow for letters, & also because I have been acutely feeling impec., for I have not had a shilling to spare for a week past, & owe Ali a good deal; so I must go to bank.

I forgot to say that the thick nails rum boxes, as the lid (¾ thick) split to pieces rather than draw them in the least, whereas the thin nails draw out without damaging the lid.

Mail not in yet, Friday

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Mail not in yet, Friday

Friday Nov 4

Friday Nov 4 After looking at the men, & seeing that they had already cleared the ^{edge of the} rock cutting ~~for~~ made to hold the basalt paving, I directed them to sink holes along the line of it to shew its direction & extent; & then left by 9 for Cairo. Got in by 11 1/2 to Bank; drew £15, being in debt nearly £4 already. Then to Hotel du Nil; found that Mr Loftie was not come, nor expected till the 16th; & Corbett was gone to Zagazig for a holiday. So strolled about, then had lunch, & then back to Hotel to pick up Beaman after his lunch. Saw a gentleman there whom I know by sight & talking very well, but his name I forget, perhaps never heard; one of the various people who came in parties here last season. Also found Beaman & shewed him some of the photos, as he is intending to take up dry plates. He was much pleased with them. Then to Dr G. Had a chat with him, telling him of the work here, & with Miss Mullock. Miss G. is not expected till Monday. Then left him when the German pastor called, about a hospital they are intending to build. Posted my last journal; much surprised that the Brindisi mail was not even telegraphed as seen from Alex^t at 3 this aft; it is very late. Then rode back to Δ. Cucumbers down to 30 a penny. Got to Δ by about 6, & went up in moonlight to see what had been dug to day. Paving not found in new hole on W side.


Then supper, wrote this, & to bed about 10.

Saturday Nov 5 Out by 7^{1/2} directing men for work. Then back for wash & breakfast; then out again, watching & directing men till 12. Then to tomb, & after a few biscuits & a little rest, out & ranging with small theod, then to socket lines across

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the rubbish heaps on W.S. & E. sides; this needed out lying
 marks to be put beyond the sockets on each side, as the sockets
 were invisible from the rubbish, as it is all cut into heaps quite
 irregularly by the Arabs. The hole at WNW has gone down to
 rock, & then inward to 6 feet inside socket line without finding
 any paving. This is nearer the ^{mid. of W. face} centre than the previous WNW
 holes in which paving was found. In those holes the paving ends
 roughly broken all along a line parallel to side; I had suspected that
 this was due to early depredators carrying off the paving blocks (21 ins
 thick) who were unable or unwilling to remove the casing (2 1/2 ft thick)
 & hence broke away the paving to the edge of the casing. This edge
 is roughly - 30 ins inside socket line of W. side, & hence to
 some extent bears out the N. side arrangement. As no paving
 was found I now set them to work a shaft about the
 centre of the face, 11 ft deep to paving, or 13 to rock. In the
 ENE trench we have cleared a second cut across the bottom
 shewing that there is no sloping passage leading lower; also
 the bottom at outer end, which runs up a smooth slope 

It is altogether a curious mixture of finish & irregularity,
 & may perhaps never have been finished. The delimitation
 of the basalt paving has been worked farther; & the inner
 end of the N trench begun to be cleared above. When the
 various digging on this side of Δ is done, I must take a photo
 from top Δ , to shew graphically how much has been cleared.
 Sweeping the lines of the sockets across the rubbish occupied
 all the afternoon; partly because it was a high wind, & I was
 not well. Then men came down after work, & were paid
 up, having got money & change in Cairo. After supper
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Sunday Nov 6

8
 1 Sunday Nov 6 The most wretched day I ever knew (49)
 here, worse than a "bad day" in England. Sand takes
 the part of water in many ways here, & not least in
 the weather. I could not see over $\frac{1}{4}$ mile at all, & objects
 7 within ^{10 or} 20 yards were dull. The sand blew in columns just
 like rain on a driving wet day; & continually whirls came
 + down the hill, & filled my tomb, covering all my food
 at breakfast with a thick coat. Now, after it is over,
 3 everything, up to the very back of the tomb, is covered with
 1 fine sand, & dark things look almost white; just as if they
 had not been dusted for three months at home. I never
 even saw the pyramid all day, being only too glad to
 stay in my tomb & read quietly. It now occurs to me,
 after hearing what the German pastor had been suffering from,
 that it is the same trouble - catarrh of the stomach - that I have
 got; at least that idea fits all the various symptoms
 exactly, & explains just what I have had for a week or so.
 4 Not a living creature was to be seen out to day, except those
 on business; & they wrapped up their heads, & went as if they
 were on business; the very children, usually so irrepressibly
 active, appeared but little, & they got under the lee of
 the blocks of stone, & the dogs blinked their eyes when
 a gust came & could hardly see their scraps. I lay
 down reading in aft to keep warmer; & after supper
 went to bed for good about 8 $\frac{1}{2}$. A curious notion
 occurred to me this morn, that as water boils 1° lower <higher> for every
 520 feet of ascent <descent> (or about 580 ft if half the pressure is off), & falling
 720 ft raises it 1° , hence the two nearly balance; so that
 a stream of boiling water falling to the earth would not
 evaporate much ^{by the fall} but continue boiling at a higher
 temperature, this is somewhat important in early geologic times.

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 temperature. This is somewhat important in early geologic times.

Monday Nov 7

Monday Nov 7 up & out by 7 $\frac{1}{2}$; arranging work & (51)
 settling the men (14 to day) till 9: when I returned for bath
 & breakfast. Out again from 10 $\frac{1}{2}$ to 1, watching &
 directing men. Back for slight lunch, & out to men from
 3 till sunset. Seven parties occupy one's time pretty fully.
 The work done was clearing the inner end of the N-trench;
 searching for S & E sides of basalt paving, fruitlessly; sinking
 a well 8 ft deep on ENE^A (abt $\frac{1}{4}$ base from NE socket) but no
 paving found, apparently; sinking a well 8 ft deep on SSE^A ^(abt $\frac{1}{3}$ from SE) reaching
 displaced paving stones, apparently; sinking a well on W. (the 5th on
 this side) bottom not yet reached by 4 ft; clearing the ^{outer} limits of the paving
 at N.W. corner, W. side unfindable; clearing out the chambers
 near second Pyramid; these walls I find to be 7 ft high, of
 rough stones neatly built, some plastered with mud. Two
 men discharge about ~~30 or 40~~ ^{30 or 40} cub. ft. of sand per hour, so an
 ordinary sized chamber will cost about ~~4 or 5~~ ^{4 or 5} per foot run
 of its length, or if they average 20 ft long, then abt 8/- each, so
 I think it is worth while to clear one or two, & then to take
 out ^{from the others} about $\frac{1}{6}$ of the sand (i.e. 2 ft deep round the walls,
 so as to expose good surfaces of the walls for measurement.
 It is much colder today, but very little sand in the air, though
 a stiff W. wind; I rolled an old pair of trousers round my stomach to
 keep it warm, which ~~had~~ has benefitted me on the whole; I think I
 got upset by chilling the stomach when it was rather out of order.
 After supper wrote this (with a soothing accompaniment of dolce
 & Muhammed's flute) & to bed about 8.

Tuesday Nov 8 Had 17 at work today, two of them boys.

Went out by 7 $\frac{1}{2}$ arranging the men. In by 9 to bath & breakfast

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[This page is misnumbered as 51. It should actually be page 50.]