to Augsburg see Augsburg, from Augsburg to Nuremberg, see Nuremberg & back to Berlin, But I see now that such a journey would take much longer than my two months and would cost too much for my means therefore I have formed a better one which is simply this – to pick on a certain sum for my journey, to go as far and see as much as I can see with this sum and when it is gone to return straight by railroad and steamer to Berlin. $100. is my allowance. I have a letter of credit on this city and Vienna from my bankers in Berlin. The number of railroads in Germany at present makes travelling much cheaper and pleasanter than formerly. I say pleasanter because the whole of Germany north of Dresden is one vast flat plain and a hundred miles the hour would be barely fast enough to get through it or over it with comfort. I was very glad to hear that Ap had past his examination. I suppose that he is now safe. I wrote [illegible] in my letter to you which went by the steamer of the 4th of this month. When you next write direct simply to Berlin as I shall not return to my old lodgings which were dearer than necessary I hope to work in Rose's laboratory next winter. Should I do so it will make a difference of 8 or 9 dollars a month in my expences as he receives no fee. Since I have been in Berlin I have got two vests (one a winter vest) and a pair of pants, besides having my coat newly lined and cleaned. Also I have had my boots footed and have one new pair, making for the whole about $15. My laboratory tuition has been 32 thalers or about $22. My other items I cannot give exactly because I have left my account book in Berlin but since I have been in Berlin I have drawn from my banker there 150 thalers or $108, which includes everything, book, lodging, clothes, dinner &c for 3 months, or rather less to be exact, as I had something left after the expences of my journey were paid and did not draw at once. This would make my expences $430 a year without travelling. I shall hope to find something on the subject of travelling in your letter of this month. This will I hope find you at New Port. I had intended to have written to Eliza by the Steamer of the 4th of September by which this is to go, but could not find time now and hope that you will send her anything in my letters which you think may interest her. I wish also to be remembered to all friends & acquaintances in New York, Boston, New Port & Philadelphia. I shall probably write next by the Steamer of the 19th of October so that you must not feel anxious if you do not hear from for some time. I expect to be in Berlin by the 1st of October again. I find a great deal more to see in travelling than most persons do, I believe, and have a particular dislike to hurrying through collections – especially of pictures – without seeing everything that is to be seen in them and seeing it well to boot. Therefore I spend about twice as long a time in an interesting place as others do, and stare with great satisfaction by the hour together at quiet old houses & churches even when not remarkable for their architecture. Almost everything I see here abroad interests me in some degree at least. I hope that you will conclude, or rather I should say, will find yourself able to travel here in Europe for a few months at least. – Saturday. I have just returned from a visit to Freyberg where I spent about 24 hours very pleasantly. Yesterday Morning my friend and I went [illegible] visited one of the deepest mines and spent 3 hours in exploring it. It was 1100 feet in

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