made up his mind about it. Meantime I can take no steps in the matter. I have the first 3 volumes of the new edition of Berzelius' Chemie. There will be 6 in all — probably. It is extremely full and elaborate, but if you get any German work on Chemistry you had better get Gmelin which is cheaper and nearly as full. Liebig, Wöhler & Poggendorff's Wörterbuch will probably be completed by the year 1945. The second volume is not yet finished and the 1st is already behind the age. I have not purchased many books here, so as to avoid expences not absolutely necessary, but I hope if I should hereafter get a professorship to send out for complete sets of the German scientific journals. I read them now without translating. I am glad to hear you speak of studying analysis with Dr Jackson this winter. When you get well into it you will cease to look upon it as mechanical and will see and feel that the mind is kept constantly upon the stretch, and the attention awake, and that it requires great knowledge of chemistry as well as great judgment & forethought to enable one to be successful in it. And the day has now arrived when every Chemist must be a good analyst or cease to be a Chemist. You will be pleased to learn that Rose has a very high opinion of American science and told me today that he thought that for a young nation they had done much [illegible]. I shall have Silliman sent to me regularly [illegible] very long intervals. The last number is a very good one. I do not expect to publish anything very soon, as I wish first to get a complete command of my tools and am in no hurry whatever. I hope that I shall not be restricted as to time here. Certainly it is better for me to make thorough work of it now that I am in Germany. I propose to remain with Rose till next August and then to go either to Göttingen or to Wöhler or to Giessen for 6 months at the very least. I should like to spend 6 months with each. With Rose one learns only inorganic analysis which you know is but half but is at the same time by far the most difficult half. To day I finished my first analysis in Rose's Laboratory, that of Meritine Spar a double carbonate of Magnesia and protoxide of iron. I obtained the formula $(Fe,Mg,Ca)O + CO_2$ or $2MgO\,CO_2 + FeO\,CO_2$ very nearly. I succeeded extremely well and got a remarkably close coincidence with the calculated results. I am now making a second analysis of them same and have begun another of a species of Felspath this last is very difficult. One analysis must be made with Fluohydric acid and another with carbonate of soda. This winter there are fewer Americans here than usual. Besides myself, there are two theological students who have already been two years in Halle and a young man from Virginia named Heath who has been several years here doing nothing with great industry and who tells me that he knew Lustis well in College. He is not a very sociable youth and I meet him only at Mr Fay's, where I spend many pleasant evenings. Tell Whitney when you see him, that I have stepped into his shoes with regard to Dr Baier who lives now in the same house and on the same floor with myself. We breakfast and tea together regularly and discuss all manner of subjects in German, in which language you know all things may be discussed with great advantage. N. P. Willis is here for a few days and is I believe writing letters for his paper in New York. I have met him twice at Mr Fay's and found him agreeable in conversation. Bryant passed through the city in the summer when I was not here and every now & then some stray Yankee finds his way here for a few days. I have just borrowed the last number of Poggendorff's Annalen and find among other things a notice of your experiment with solid carbonic acid and potash taken or rather translated from Silliman's Journal. I hope you will make more such experiments hereafter. I directed George to send you copies of my thesis for yourself and for distribution. I have looked it over again since it arrived and do not feel altogether ashamed of it though with my present resources I could have made it much more full. It seems to my now rather meager and thin — Let me know candidly how you like it