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| 55) | Chap. 4  The next morning I delivered my  letters of introduction and paid a  visit to some of the principal  ~~Krempe~~ professors. and among others to M.  [5]  Krempe Professor of ~~& Lecturer~~ ~~upon~~ Natural  philosophy. He received me with  politeness, and asked me several  questions concerning my progress  in the ~~sciences~~ different branches [10]  of science appertaining to natural  philosophy. I mentioned, it is true  with fear and trembling, the only  ever  authors I had read upon those [15]  ^  subjects. The professor stared. ~~I said~~  ~~that I did not mention these~~  "Have you really" said" he "spent  "your time in studying such  "nonsence?" I replied in the affir [20]  mative.  "Every minute"– continued M.  Krempe with warmth," every instant that  "you have wasted upon those  "books is utterly and entirely lost. [25]  "You have burdened your ~~bur~~  "~~memor~~ memory with exploded  "systems and useless names. Good  in what desart land  "God ~~where must you~~ have you [30]  "lived where no one was kind  "enough to ~~enfor~~ inform you  you  "that these fancies which have  ^ | [69:]¶The next morning I delivered my  letters of introduction, and paid a  visit to some of the principal  professors, and among others to M.  Krempe, professor of natural  philosophy. He received me with  politeness, and asked me several  questions concerning my progress  in the different branches  of science appertaining to natural  philosophy. I mentioned, it is true,  with fear and trembling, the only  authors I had ever read upon those  subjects. The professor stared:  “Have you,” he said, “really spent  your time in studying such  nonsense?”  ¶I replied in the affirmative.  “Every minute,” continued M.  Krempe with warmth, “every instant that  you have wasted on those  books is utterly and entirely lost.  You have burdened your  memory with exploded  systems, and useless names. Good  God! in what [70:]desert land have you  lived, where no one was kind  enough to inform you  that these fancies, which you have |

**entire chapter]***because mws had to emend the chapter heading of the preceding chapter (from* 2 *to* 3*—see transcription page 41 in this edition) but did not have to emend this heading of* Chap. 4*, it is likely that she wrote this heading (and even this entire chapter on Victor's exposure to chemistry and natural philosophy at university) during or shortly after the period of 28 October-4 November 1816 when she was reading one or more of Sir Humphrey Davy's books on chemistry and (most likely) altering Draft: Vol. I, Chs. [1]-3 (see transcriptio**n pages 15 and 17 in this edition as well as the Frankenstein Chronology in the Introduction)* **upper left edge]***darker area in photofacsimile exaggerates soiling and discoloration of paper* **upper right corner]***paper torn away* **5]***?stray ink dot (represented as period in transcription) after* professors **8]***comma after* politeness *could be period* **12]***re-inked* r *in* true **18]***smear deletion of superfluous double quotation marks after* said **20]***variant spelling* nonsence **22]***m-dash with flourish rather than comma after canceled* K **29,30]***interlinear* desart *was written through line crossing* t *in canceled* must

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| ✗ | "so greedily imbibed are ~~at le~~ a (56  11  "thousand years old and as musty as  "~~your~~ they are ancient. I little expected  "in this enlightened and scientific age [5]  "to find a disciple of Albertus Mag  "nus and Paracelsus. My dear sir  "you must begin your studies entire  "ly anew." So saying he stepped aside, and  ~~wh~~ wrote down a list of several [10]  books [?~~u~~] upon natural philosophy  which he desired me to procure  and dismissed me after mentioning  that ~~he intended~~ ~~to commen~~ in  the beginning of the next week [15]  he intended to commence a course  of lectures upon natural philosophy  in its general relations; aldham ✗  and that M. W.— a fellow professor  ^  would lecture upon chemistry [20]  the alternate days which he missed.  I returned home not dissapointed  for I had long considered the au-  thors useless which the professor  had so strongly reprobated – but I [25]  did not feel very much enclined  to ~~bu~~ study those books which at  his ~~recon~~ recommondation I had  procured. M. Krempe was a little squat  man with a gruff voice and repul [30]  sive countenance and the teacher  did not prepossess me in favour | so greedily imbibed, are a  thousand years old, and as musty as  they are ancient? I little expected  in this enlightened and scientific age  to find a disciple of Albertus Magnus  and Paracelsus. My dear Sir,  you must begin your studies entirely  anew.”  ¶So saying, he stept aside, and  wrote down a list of several  books treating of natural philosophy,  which he desired me to procure,  and dismissed me, after mentioning  that in  the beginning of the following week  he intended to commence a course  of lectures upon natural philosophy  in its general relations,  and that M. Waldman, a fellow-professor,  would lecture upon chemistry  the alternate days that he missed.  ¶I returned home, not disappointed,  [71:]for I had long considered those authors  useless whom the professor  had so strongly reprobated; but I  did not feel much inclined  to study the books which I procured at  his recommendation.  M. Krempe was a little squat  man, with a gruff voice and repulsive  countenance; the teacher,  therefore, did not prepossess me in favour |

**upper left edge]***remaining stub (from folio 8)* **lower right corner]***darker areas in photofacsimile exaggerate soiling and discoloration of paper*  **2]***Bodleian folio number* 11 **9]***?pbs* pp *overlays mws ligatured* ss *in* stepped **9-22]***show-through words near right edge (from pbs additions on verso [page 57], margin, lines 12-26)* **18,19]***by next page of draft (folio 11 verso [page 57], lines 27 and 33), mws apparently settled on* Waldham *as the professor's name, which she used through this Draft: Vol. I, Ch. 4 (see also folio 13 recto [page 59], line 1), but she later opted for Waldman (the name used in 1818) in Ch. 5 (see folio 14 recto [page 61], line 17) and in Ch. 8 (see folio 30 verso [page 96], line 30; and folio 31 verso [page 98], line 6); but see also Ch. 5, folio 14 verso [page 62], margin, line 7-8, where pbs wrote* Waldham *in his later addition to the text* **22]***misspelled* dissapointed **28]***misspelled* recommondation

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| 57)    ambition of  enquirer seemed  to limit itself  to the annihi  lation of those  visions on which  my interest in science  was chiefly founded.  I was required  to exchange  chimeras of  boundless grandeur,  for realities of  little worth. | doctrine.  of his ~~science~~. ~~But when the ne~~ Be-  sides I had a contempt for the uses  natural philosophy  of modern ~~chemistry~~. It was very [5]  ~~when~~ different when the~~n~~ masters  of the science sought immortality  power  and ~~wealth~~;– such views although  the scene [10]  futile were grand; but now ~~it~~ was  the ~~utmost~~ ~~all~~ changed. ~~t and the expulsion~~  of chimera overthrew at the same  ~~those~~  time all ~~greatness in the science~~ [15]  Such were my reflections during  spent  ~~tw~~ two or three days almost in ~~solitary~~  ^  solitude: but ~~at~~ as the ensueing week  commenced I thought of the infor [20]  mation M K.rempe had given me  concerning the lectures, and although  I could not consent to go and hear  that little conceited fellow deliver  out of a pulpit [25]  sentences I recollected what he had  ^  said of M Waldham, whom I had  never seen ~~and~~ as he had been  hitherto out of town.  Partly from [30]  ~~Half out of~~ curiosity and partly from  idleness I went into the lecturing room  which M Waldham entered shortly  after. This Professor was a very dif  his colleague [35]  ferent man from ~~the other~~. He  was about fifty but with aspect ex-  pressive of the greatest benevolence  a few grey ~~hars~~ hairs covered his temples | of his doctrine. Besides,  I had a contempt for the uses  of modern natural philosophy. It was very  different, when the masters  of the science sought immortality  and power; such views, although  futile, were grand: but now the scene was  changed. The ambition of the inquirer seemed to limit itself to the annihilation of those visions on which my interest in science was chiefly founded. I was required to exchange chimeras of boundless grandeur for realities of little worth.  ¶Such were my reflections during  the [72:]first two or three days spent almost in  solitude. But as the ensuing week  commenced, I thought of the information  which M. Krempe had given me  concerning the lectures. And although  I could not consent to go and hear  that little conceited fellow deliver  sentences out of a pulpit, I recollected what he had  said of M. Waldman, whom I had  never seen, as he had hitherto been  out of town.  ¶Partly from curiosity, and partly from  idleness, I went into the lecturing room,  which M. Waldman entered shortly  after. This professor was very unlike  his colleague. He  appeared  about fifty years of age, but with an aspect expressive  of the greatest benevolence;  a few gray hairs covered his temples |

**lower quarter of page]***darker areas in photofacsimile exaggerate soiling and surface texture of paper*  **margin:26]***blotted period after* worth **margin:31]***wet offset ink dot (from blotted* B *in* But *on facing folio 12 recto [page 58A], line 30)*  **6]***wet offset ink blots on* e *and below* s *in* masters *(from* by *on facing folio 12 recto [page 58A], margin, line 5)* **10]**s *in* scene *is attached to blotted* e *in* the **12-15]***all cancel lines (horizontal and wavy) were penned by pbs, who revised in ruled margin* **13]***pbs cancel line below* chimera *extends through* overthrew **18]**in *added between* almost *and canceled* solitary **19]***variant spelling* ensueing **22]***ink blot on pbs comma (wet offset to* T *in* The *on facing folio 12 recto [page 58A], line 24)* **30-31]**ly *in* Partly *overlays* H *in* Half **31]***wet offset ink ink blots on* curiosity and partly from *(from cancel line on* ~~vitæ~~ *and from* of life *on facing folio 12 recto [page 58AldADVANCE \u 2], line 30)*

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| by a recapitu  lation of the  made by  of life | but those at the back of his head (58  were nearly black. He was short in 12  person but remarkably erect ~~ha~~ and  his voice the sweetest I had ever  heard. He began his lecture with a [5]  ~~kind~~ ~~of~~ history of chemistry and ~~remark~~ -  ~~& discoveries~~  ~~ed~~ the various improvements ~~diffe~~  vari ous of learning ^  ~~rent~~ men ~~had made~~ pronoucing [10]  the names of the greatest discoverers  with fervour  ~~with great warmth~~. He then took  a cursory view of the present state  the science,  of ~~chemistry~~ and explained many [15]  After making  of its ~~termes~~ terms. ~~mad~~e a few  he  preparatory experiments ~~and~~ conclu  modern [20]  ded with a panegyric upon chemist  ^  ry the words of which I shall never  forget.  "The ancient teachers of this science"  said he, "promised impossibilities [25]  "and performed nothing. The modern  "masters promise very little. They  "~~no~~ know that metals cannot be  "transmuted and that the elixir  "~~vitæ~~ is a ~~mere~~ chimæra. But [30]  "these philosophers whose ~~eyes~~ hands  "appear only made to dabble in  "dirt and their eyes to pore over  "the microscope or cruscible,  "have indeed performed miracles. [35]  "They penetrate into the recesses of  "nature and show how she works | but those at the back of his head  were nearly black. His person was short,  but remarkably erect; and  his [73:]voice the sweetest I had ever  heard. He began his lecture  by a recapitulation of the  history of chemistry and  the various improvements  made by different men of learning, pronouncing  with fervour  the names of the most distinguished discoverers.  He then took  a cursory view of the present state  of the science, and explained many  of its elementary terms. After having made a few  preparatory experiments, he concluded  with a panegyric upon modern chemistry,  the terms of which I shall never  forget:—  ¶“The ancient teachers of this science,”  said he, “promised impossibilities,  and performed nothing. The modern  masters promise very little; they  know that metals cannot be  transmuted, and that the elixir  of life is a chimera. But  these philosophers, whose hands  seem only made to dabble [74:]in  dirt, and their eyes to pour**†** over  the microscope or crucible,  have indeed performed miracles.  They penetrate into the recesses of  nature, and shew how she works |

**this and following page]***this folio 12 recto was correctly numbered* 58 *and is designated 58A in this edition, and folio 12 verso was also but incorrectly numbered* 58 *and is designated 58B in this edition: it is possible that mws was here compensating for the earlier skipped page number 52* *(see folio 9 recto/verso [pages 51/53])* **lower left edge]***remaining stub (from folio 7)* **2]***Bodleian folio number* 12 **5]***pbs did not cancel* with a *after writing substitute text in ruled margin* **10]***misspelled* pronoucing **17]***uncanceled* e *in* ~~mad~~e **22-27]***\pard fs17 dark wet offset ink blots on right side of page (from pbs additions on facing folio 11 verso [page 57], margin, lines 20-26)*  **23-24]***stray ink line extends from* f *in* forget *to* h *in* "The **24]**ancient *could be* Ancient **26]**and *could be* And*; mws ink blot before* The **29]***second* i *overlays* e *in* elixir **34]***misspelled* cruscible **1818 text:33]***misspelled* pour *was corrected to* pore *in 1823 (I, 74) and in 1831 (page 34)*

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| 58)    **^**He said that  these were  men to whose  indefatigable zeal  natural  modern ~~chem~~  philosophers were  indebted for most  of the foundations  of their knowledge  ~~it is not a meaner~~  had  ~~task~~ They left to  us, as an^easier  task to give new  names, & arrange  in conected classi  fications the  facts which they  to a great degree  had~~e~~ been the  instruments of  bringing to light.  The labours of  men of genius  directed scarce  ly ever failed. | "in her hiding places. They ascend into  "the heavens;– they have discoverd how  "the blood circulates, and the nature  "of the air we breathe. ~~New~~ They have  "acquired new and almost unlimi [5]  ted powers;– They can command the  "thunders of heaven, mimick the  "earthquake, and even mock the  "invisible world with its own  "shadows." [10]  I departed highly pleased with  the professor and his lecture &  paid him a visit the same evening.  His manners in private were even  & attractive [15]  more mild than in public. For  ^  there was a certain dignity in his  manner during his lectures which  was replaced by the greatest ~~affabity~~    affability and kindness in his own [20]  my  house. He heard ~~by~~ little narration  concerning my studies with attention  smiled at the names of Cornelius  ✗  Agrippa and Paracelsus but without [25]  the contempt that Mr Krempe had  expressed to them  ~~Ex~~ exhibited. ~~I ended by saying~~ that  **^**  his lecture had removed my prejudice  against modern chemists and I request- [30]  ed at the same time his advice  however erroneously  concerning the books I ought to procure | in her hiding places. They ascend into  the heavens; they have discovered how  the blood circulates, and the nature  of the air we breathe. They have  acquired new and almost unlimited  powers; they can command the  thunders of heaven, mimic the  earthquake, and even mock the  invisible world with its own  shadows.”  ¶I departed highly pleased with  the professor and his lecture, and  paid him a visit the same evening.  His manners in private were even  more mild and attractive than in public; for  there was a certain dignity in his  mien during his lecture, which  in his own house  was replaced by the greatest  [75:]affability and kindness.  He heard with attention my little narration  concerning my studies,  and smiled at the names of Cornelius  Agrippa, and Paracelsus, but without  the contempt that M. Krempe had  exhibited.  He said, that “these were men to whose indefatigable zeal modern philosophers were indebted for most of the foundations of their knowledge. They had left to us, as an easier task, to give new names, and arrange in connected classifications, the facts which they in a great degree had been the instruments of bringing to light. The labours of men of genius, however erroneously directed, scarcely ever fail in ultimately turning to the solid advantage of mankind.” I listened to his statement, which was delivered without any presumption or affectation; and then added, that  his lecture had removed my prejudices  against modern [76:]chemists; and I,  at the same time, requested his advice  concerning the books I ought to procure. |

**ruled margin]***text was penciled by pbs and was then, with exceptions noted, inked by ?mws* **margin:1]***repeated page number* 58 *(this* 58 *should be* 59*: see note on folio 12 recto [page 58A])* **margin:16]***wet offset ink blot on* f *in* indefatigable *(from cancel line on* and *on facing folio 13 recto [page 59], line 21)*  **margin:17]***penciled pbs* ~~chem~~ *and* natural *was not inked and was not in 1818* **margin:21-22]***penciled and canceled pbs* it is not a meaner task *was not inked* **margin:24]***misspelled* conected **margin:28]***?mws* d *overlays pbs* v *in* had~~e~~ **margin:below 32]***?period (or stray ink dot) after* failed*; text of pbs additions continues on page 59*  **2]***pbs semicolon added before mws n-dash; misspelled* discoverd *with misformed* r **4]***mws* y added *in* They **6]***pbs period above mws comma, apparently to replace mws comma and n-dash with pbs semicolon* **12]***?stray ink line between* profess in *and* or *in* professor **16-17]***ink blot descends from* For *to* in **21]***?mws* my **24]***part of* n *overlays {*?*} in* names **27]***penciled pbs* expressed to them *was not inked and was not in 1818* **28]***mws* exhibited *was canceled by pbs in pencil, cancel line (not represented in transcription) was not inked, and* exhibited *was retained in 1818*

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| in ultimately  turning to the  solid advantage of  mankind. I listen  ed to his state  ment which  was delivered  without any  presumption  & then added  including | "I am happy" said M Waldham," To (59  13  "have gained a ~~desci~~ desciple and if if your  "~~appil~~ application equals your ability  "I have no doubt of your success. Che [5]  "mistry is that branch of natural  "philosophy in which the greatest im-  been "provements have & may be made.  ^  "It is on that account~~s~~ that I {?~~sl~~} [10]    "chose it for my peculiar study. But  time  "at the same I did not neglect the  ^  "other sciences. A man would make  "a very sorry chemist if he atteneded [15]  to that department alone. {~~?~~} If  "your wish is really to become a  "man of science and not merely  "a pretty experimentalist I should  "advise you to apply to every [20]  "branch of natural philosophy ~~and~~  "Mathematics."  He then gave me the list  I had requested and mentioned a few  machines that I ought to procure [25]  and promising that when I should  have  He then took me into his  laboratory  ~~workroom~~ and ~~shewed a~~nd explain [30]  the use of  ed to me his various machines ~~tel~~  instructing me as to ought to procure  ~~ling me~~ what I ~~should~~ ~~procure~~  ~~for my priva~~ and promising me [35]  own  ~~a~~ ~~lone~~ the use of his when I should  have advanced far~~e~~ enough in  the study not to ~~des~~ ~~der~~ derange | ¶“I am happy,” said M. Waldman, “to  have gained a disciple; and if your  application equals your ability,  I have no doubt of your success. Chemistry  is that branch of natural  philosophy in which the greatest improvements  have been and may be made;  it is on that account that I have  made it my peculiar study; but  at the same time I have not neglected the  other branches of science. A man would make  but a very sorry chemist, if he attended  to that department of human knowledge alone. If  your wish is to become really a  man of science, and not merely  a petty experimentalist, I should  advise you to apply to every  branch of natural philosophy,  including mathematics.”  [77:]¶He then took me into his  laboratory, and explained  to me the uses of his various machines;  instructing me as to  what I ought to procure,  and promising me  the use of his own, when I should  have advanced far enough in  the science not to derange |  |

**left edge]***remaining stub (from folio 6)* **lower right side]***darker area in photofacsimile exaggerates soiling and surface texture of paper*  **margin:1-5]**in...mankind *was penciled by pbs and was then inked by ?mws* **margin:22]**including *was penciled by pbs and was then inked by ?mws* **margin:33]***wet offset ink line below* me *(from cancel line on* ~~saying~~ *on facing folio 12 verso [page 58B], line 28)* **2]***Bodleian folio number* 13 **3]***variant spelling* desciple*; repeated but uncanceled* if **8]***?pbs* been **15]***misspelled* atteneded **19]**pretty *is apparently an error for* petty*; brown ink stain below initial* e *in* experimentalist *(which bled through on verso [page 60])* **20]***pbs* s *overlays mws* c *in* advise **23-27]***mws vertical cancel lines* **29]***light brown stains before and below* lab *in* laboratory *(which bleed through on verso, page 60)*  **30]***uncanceled* nd *in* *second* ~~a~~nd; e *overlays {?*s*} in* explain **34]***faint cancel line extends through* me **38]***canceled* e *in* far~~e~~  **39]***ink blot on uncanceled* des*, in effect canceling the word*

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| 60) | mechanism.  their. He also gave me the list of  ^  books which I had requested and  I took my leave.  Thus ended a day memorable [5]  to me  ~~in a my life~~ for it decided my  destiny. | their mechanism. He also gave me the list of  books which I had requested; and  I took my leave.  ¶Thus ended a day memorable  to me; it decided my future  destiny.**†** |

**lower half of page]***many wet offset ink blots (from pbs additions and cancelations on facing folio 14 recto [page 61])*  **bottom of page]***darker areas in photofacsimile exaggerate surface texture of paper* **2]**ir *overlays* m *in* their **6]***wet offset ink blot on* my *(from pbs* w *in* which *on facing folio 14 recto [page 61], margin, line 8)* **1818 text:8]***in 1818 Thomas, mws marked the word* destiny*, which she footnoted as follows: "If there were ever to be another edition of this book, I should re-write these two first chapters. The incidents are tame and ill-arranged—the language sometimes childish.—They are unworthy of the rest of the ~~w~~ ~~book~~ narration" (1818 Thomas*\pard plain  *[see 1818 Rieger, page 43n., and the photofacsmile on page 44; and/or see 1818 Crook, page 34n.])*