

The following list covers a box of correspondence and other writings associated with Robert Leslie Ellis (1817-1859), mathematician and Fellow of Trinity. Ellis was the brother-in-law of William Whewell, Master of Trinity, through Whewell's second wife Everina (Lady Affleck; née Ellis); hence the inclusion of this material among the Whewell papers at Trinity. (For other items relating to Ellis please refer to the modern manuscripts index.)

R. L. Ellis was born at Bath on 25 August 1817 and entered Trinity College in 1836, graduating Senior Wrangler and First Smith's Prizeman in 1840. He was elected to a Trinity Fellowship in the same year, and whilst at Cambridge he conducted research into a variety of subjects, publishing, amongst other works, papers on Roman aqueducts, George Boole's *Laws of Thought*, the compilation of a Chinese dictionary and the formation of bees' cells and vegetable spirals. During this period he also worked on an edition of the works of Francis Bacon, in collaboration with Douglas Denon Heath and James Spedding. For several years he was editor of the *Cambridge Mathematical Journal*.

Persistent ill-health, however, eventually forced Ellis to leave Cambridge, and he resigned his Trinity Fellowship in 1849. Moving to the continent, he suffered an attack of rheumatic fever which left him further weakened, and he returned to England the following year in broken health and spirits. His last years were spent near Cambridge at Anstey Hall in Trumpington, where he was able to enjoy the company of old friends and to pursue his studies in spite of recurrent illness. He died on 12 May 1859 at the age of forty-one and was buried at Trumpington.

Most of the letters listed here are Ellis' own and date from the 1840s and 1850s. Many were written to his friend William Walton, also a graduate of Trinity, who later became a Fellow of Trinity Hall. In addition there are several letters to William Whewell, Ellis' sister Everina, his father Francis and others, with a handful of notes to unidentified persons at the end of the sequence. The fifteen or so incoming letters cover a range of subjects and include Augustus De Morgan on the four-colour problem and other mathematical puzzles, Isaac Pitman on phonetics and James Spedding on the writings of Francis Bacon. About twenty items consist of mathematical problems, verse translations and other writings by Ellis, including an essay on Bacon which obtained the second Hooper Declamation Prize at Trinity in 1839. There are also several family letters of the 1830s, one received by Ellis' great-uncle Henry in 1800, and letters written after Ellis' death concerning his correspondence and a memoir.

Add Ms c 67 PAPERS OF ROBERT LESLIE ELLIS

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| 1 | RLE to Everina Frances, Lady Affleck, his sister (2ff)
he is preparing to leave [Cambridge to travel abroad], the Waltons have visited him and taken away some books on loan: Trinity College | 12 Oct [1849] |
| 2 | RLE to Everina Frances, Lady Affleck (2ff)
with Armitage at Hastings, description of depressed state of mind: Caroline Place, Hastings | 7 Apr 1848 |
| 3 | RLE to Everina Frances, Lady Affleck (4ff)
H A J Munro has given him a quotation from the Georgics relating to Proteus, complains of wearying fever, difficulties in finding an amanuensis, Dr L] 's misrepresentation of Augustus de Morgan on mathematical logicians, information for W Whewell on tightly packed spheres, is having hymns read to him, mentions one of Light's hymns | n.d. |
| 4 | RLE to Francis Ellis, his father (2ff)
news of events in college and university
, 'whiskers quarrel' and union meeting on the resignation, bitter weather, first draft of his declamation is done, includes a paragraph on the authority of induction, Carus to be the judge [George] Peacock will read it [See 132 for the final version of his declamation submitted for the Hooper Declamation Prize for 1839: it was deemed worthy of the second prize]: Trinity College | 26 Nov 1838 |
| 5 | RLE to Francis Ellis (2ff)
he is senior wrangler, 300 plus marks ahead of the second, printed list of honors: Trinity College | 16 Jan 1840 |
| 6 | RLE to C B Marlay (2ff)
he has an eye inflammation and is unable to read, politely disagrees with Marlay that he is a worthy example of suffering, maintains that those who have suffered for some great cause are better examples: Anstey Hall | 7 Jun [] |
| 7 | RLE to W Walton (2ff)
comments on weather and scenery of Lake District, how views on great questions of human existence alter with advancing age, importance of duty: Bowness | 25 Aug 1847 |
| 8 | RLE to W Walton (2ff)
he has been seriously ill in Nice, has travelled to Avignon, describes his physical condition following his illness, mentions an accident in Angers, hopes to write again from Paris: Avignon | n.d. |
| 9 | Everina Frances, Lady Affleck, to W Walton (2ff)
letter preceded by a poem of 7 verses on the transience of life and consolation of faith written by RLE and dated 12 Jan 1848, poem to be shown to the dean of Ely, she has been in Dresden: Vienna, en route to Venice | 30 Jul [] |
| 10 | RLE to W Walton (2ff)
his views on the subject of equal probability a priori, refers to views of [James] Wood, Arthur Cayley and Henry Wilbraham, also mentions what he has published on the subjective element in the theory of probabilities a posteriori | n.d. [1849] |

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| 11 | RLE to W Walton (2ff)
in Nice having recovered from an attack of fever,
account of his journey from London (left 1 Nov)
channel crossing (2 Nov) then Abbeville, Paris,
Dijon, Chalon, Lyons, Avignon (excursions to
Orange and Nimes) Arles, Aix, Vidauban, Frejus
and on to Nice, English colony in Nice, hopes
WW's canvas [on behalf of] Joseph [] will be
successful, comments on WW's character and
his relations with his pupils: Hotel des
Etrangers, Nice | 26 Nov 1849 |
| 12 | RLE to W Walton (2ff)
in San Remo, enroute from Nice to Rome, has
rheumatic fever, describes his physical and
mental condition, plans to return to Nice, hopes
for success of WW's brother, progress of his work
on Bacon, has written a preface for the NO:
Hotel la Palme, San Remo | 2 Jan 1850 |
| 13 | RLE to W Walton (2ff)
Waltons have been bereaved, his reflections on
death and mortality , describes his physical
state, fever almost gone, has suffered a fall,
doctors and medical treatments: San Remo | 22 Jan 1850 |
| 14 | RLE to W Walton (2ff)
pleasure that Walton's brother has been
successful, his physical condition, fever has
returned, anxieties over condition of his heart:
San Remo | 4 Feb 1850 |
| 15 | RLE to W Walton (2ff)
describes physical and mental condition,
feverish, bilious, helpless, recollections of his
former life, Cope has arrived with books, has
seen a procession of penitents: Hotel de la
Pension Anglaise, Nice | 29 Mar 1850 |
| 16 | RLE to W Walton (2ff)
plans to leave Nice to journey back to England,
prospect of having to make a break from
Cambridge on his return, Cope leaving, visits
hills near Nice: Hotel de la Pension Anglaise, Nice | 5 Apr 1850 |
| 17 | RLE to W Walton (2ff)
proposes that WW and wife come to stay with
him at Anstey Hall | n.d. [1853] |
| 18 | RLE to W Walton (2ff)
responds to queries on various scientific matters
including the vision of bees, his heart causing
anxiety: Anstey Hall | n.d. [1855] |
| 19 | RLE to W Walton (2ff)
observation on the motion of a rod in one plane | n.d. [1855] |
| 20 | RLE to W Walton (2ff)
sends a mathematical problem suggested from
something quoted by Michel Chasles from an
Indian source, gives his solution (formula):
Anstey Hall | n.d. [1855] |
| 21 | RLE to W Walton (2ff)
comments on chemistry and diet, refers to works
and findings of Admiral Smyth, J F W Johnston,
Justus Liebig and Chossat | n.d. [1850] |
| 22 | RLE to W Walton (2ff)
request for the engagement of a nurse for 17
days | n.d. [1856] |

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| 23 | RLE to W Walton (2ff)
his interest in geology was strongest when a child, vogue for now extinct life forms [fossils], mention of the cycloid and the ellipse, observations on the form of the ellipse, views of D F Gregory, Arthur Cayley, and Reed: Anstey Hall | n.d. [1856] |
| 24 | RLE to W Walton (2ff)
he is no better, too unfit for talks with WW on mathematics | n.d. [1856] |
| 25 | RLE to W Walton (2ff)
he has been discussing ballads with WW, mentions various collections and the different character of northern and Spanish ballads: Anstey Hall | n.d. [1856] |
| 26 (1) and (2) | RLE to W Walton (2ff each)
has translated a ballad for WW, ballad of 5 verses enclosed, see also 138 (6) and (7) and 140 | n.d. [1856] |
| 27 | RLE to W Walton (2ff)
has sent WW a gift of a kind of edible gum | n.d. [1857] |
| 28 | RLE to W Walton (2ff)
his physical condition, increasing tendency to fainting, heart problems, gratitude for WW's kindness, Augustus De Morgan has conceded the point on a problem, says he is enclosing a letter of De M: Anstey Hall | 24 Sept 1857 |
| 29 | [RLE] to W Walton (2ff)
asks WW to do various commissions including the purchase of a small musical box: Anstey Hall | 1 Oct 1857 |
| 30 | RLE to W Walton (2ff)
cancels a visit from WW, says he is very near to death: Anstey Hall | 18 Nov [1857] |
| 31 | RLE to W Walton (2ff)
cancels a visit from WW because of nervous trouble | n.d. [1857] |
| 32 | RLE to W Walton (2ff)
encloses the impression of a seal, the device had been sketched by WW, [see also 141 (12)], comments on the bushel | n.d. [1857] |
| 32a | RLE to W Walton (1f, fragment)
mentions a mathematical puzzle solved by a schoolgirl | 9 Oct [] |
| 33 | RLE to W Walton (2ff)
cancels a visit from WW, has something new on the subject of retardation | 18 June 1858 |
| 34 | RLE to W Walton (2ff)
sends WW a mathematical question, his solution (formula) | 4 Nov 1858 |
| 35 | RLE to W Walton (2ff)
reports on the condition of his heart following an examination by Paget, has had an acute fit of rheumatism | 29 Nov 1858 |
| 36 | RLE to W Walton (2ff)
is a little better, notes that this is the 10th year of his illness | 10 Dec 1858 |
| 37 | RLE to W Walton (2ff)
cancels a visit from WW because of illness, says there is little chance of relief | 13 Dec 1858 |

- 38 RLE to W Walton (2ff) 15 Dec [1858]
heart very bad, suggests mountain ash and cypress [to be planted in his memory]: Anstey Hall
- 39 RLE to W Walton (2ff) 24 Dec 1858
has cancelled a visit from WW, fears attack of inflammatory rheumatism of the heart, recalls Xmas ten years previously, spent near Southampton: Anstey Hall
- 40 RLE to W Walton (2ff) 30 Dec 1858
having treatment from Paget, cancels talk with WW, has ordered some Hamburgh bacon to be sent to him: Anstey Hall
- 41 RLE to W Walton (2ff) 6 Jan 1859
cancels visit from WW, complains of stomach problem: Anstey Hall
- 42 RLE to W Walton (2ff) 13 Jan 1859
is very ill, inflammation of the mouth, proposes to send WW a book: Anstey Hall
- 43 RLE to W Walton (2ff) 14 Feb 1859
sends a recipe for mustard, an example of adulteration: Anstey Hall
- 44 RLE to W Walton (2ff) 17 Feb 1859
cancels visits from WW and Lady Affleck, gives information from the Gardener's Chronicle on new method of enlarging fruit: Anstey Hall
- 45 RLE to W Walton (2ff) 22 Feb 1859
cancels visit from WW, suggests a horticultural experiment tried by Lord Bacon: Anstey Hall
- 46 RLE to W Walton (2ff) 29 Mar 1859
refers to [Otto] Hoffmann's experiments which he thinks unsatisfactory, mentions work of Asa Grey and Mohl, requests fundamental formula for the addition of elliptic arcs to be sent to him, very ill and depressed: Anstey Hall
- 47 RLE to W Walton (2ff) 31 Mar 1859
cancels visit from WW, heart condition worsening and now lungs, question on tangents with his answer, devising a geometrical proof of Abel's theorem, does not expect to finish it: Anstey Hall
- 48 RLE to W Walton (2ff) Apr 1859
alludes to siphon delusion, his opinion that the principle of the hydraulic ram should be used in explaining intermittent springs, mentions Thomas Young's Lectures on Philosophy, still very ill, propositions relating to a polyhedron described about a curved surface
- 49 RLE to W Walton (2ff) 4 Apr 1859
reverts to the question on tangents, doubts his proof, says D F Gregory's statement is inaccurate, details from the Gardener's Chronicle, heart very bad: Anstey Hall
- 50 RLE to W Walton (2ff) 13 Apr 1859
heart and pulse very bad, feels close to death, botanical details on the function of roots: Anstey Hall

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- 51 [RLE to W Walton] (2ff) n.d.
 proposition on hydraulics relating to natural siphon applied to explain the action of reciprocating springs, explanation of [George] Atwell, he points out the defect of this explanation
- 52 RLE to W Walton (2ff) 18 Apr 1859
 proposition relating to a polygon described on an ellipse, has sent WW a tract of Michel Chasles, with a note on subject of intermittent springs, pulse very rapid
- 53 RLE to W Walton (2ff) 26 Apr 1859
 reverts to the subject of the explanation of intermittent springs by the siphon, his assertion on this matter, wishes he could send a fuller proof, suffering from asthma: Anstey Hall
- 54 RLE to W Walton (2ff) n.d.
 accepts invitation to dine, Dance has declined because of a prior engagement
- 55 RLE to W Walton (2ff) 5 Aug 1847
 his mother has died, asks WW to look after her pet terrier: 63 Westbourne Terrace, Hyde Park, London
- 56 RLE to W Walton (2ff) 29 Oct []
 about to set out on foreign trip, has been in Hampshire and in Suffolk to the house of his sister's father-in-law, in London his brother-in-law (not Unwin) is very ill, gives his forwarding address poste restante Orange: Oxford and Cambridge Club, London
- 57 RLE to W Walton (2ff) n.d.
 Nettle (his mother's dog) has died, Cope has visited him, Cracroft [a pupil] has been placed in the second class despite RLE's letter: Bath
- 58 RLE to W Walton (2ff) n.d.
 invites Waltons to dine with him: Trinity College
- 59 RLE to W Walton (2ff) n.d.
 has arrived in London from Paris via Boulogne, has been examined by Dr Watson, heart is sound, is prescribed guaiacum (Travis had wanted to give him strychnine in Nice), Armitage is in London, WW to inform porter [of T C] of his forwarding address: 32A Park Street, Grosvenor Square
- 60 RLE to W Walton (2ff) n.d.
 postpones visit from WW, is to visit his sister: London
- 61 RLE to W Walton (2ff) n.d.
 pleased that WW's brother is better, ill and in pain, wishes he had died in San Remo, has not seen [Lewis] Hensley, has seen C B Scott, [John] Grote coming later
- 62 RLE to W Walton (2ff) 26 June []
 tentative arrangement to meet WW in town, his address will be 144 Oxford Street, London
- 63 RLE to W Walton (2ff) n.d.
 asks WW to get him books from the Library, any work of Pliny (except large one in 2 quartos) especially on Roman aqueducts or any book on practical hydraulics

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| 64 | RLE to W Walton (2ff)
sends WW the proof to a problem, applying the principle by which he proved Matthew Stewart's theorems | n.d. |
| 65 (1) and (2) | RLE to W Walton (2ff and 1f, fragment)
in response to WW's invitation, sends material (on a way of considering the line of swiftest descent, with details on the movement of a particle round a centre of attractive force, the particle's absolute velocity and absolute motion) suggested by WW's book, says he could also send in connection with WW's hydrostatics a proof of two of the propositions on resistances which Newton left unproved | n.d. |
| 66 (1) and (2) | RLE to W Walton (1f, fragment and 2ff)
sends WW solution to problem to find the direction of the axis of an ellipse, says WW's work on the strength of hollow cylinders was anticipated by Galileo: Anstey Hall | n.d. |
| 67 | RLE to W Walton (2ff)
refers to a previous communication [re a proof], WW may make alterations, asks for the addition of an illustration re perturbation to a proposed publication, mentions Whewell and Kepler: Anstey Hall | 4 Jul [] |
| 68 (1) and (2) | RLE to W Walton (2ff and 1f, fragment)
sends a number of mathematical problems, they will talk about the proofs later | n.d. |
| 69 | RLE to W Walton (2ff)
sends mathematical question with his solution, asks if it seems new, refers to another mathematical question they are considering, reference to a book of [Michel Marie] Jullien: Anstey Hall | n.d. [1856] |
| 70 | RLE to W Walton (2ff)
is ill and in more pain than when he was in Nice, from Tunbridge Wells proposes to go to London and then Bath, Cooper and Alexander Thurtell have visited, news in Cambridge about the commission, approves of Taylor's appointment, one of his sisters-in-law to convert to catholicism: Tunbridge Wells | n.d. |
| 71 | RLE to W Walton (2ff)
details of his treatments in Brighton, his health fluctuating, asks if WW knows the work of the 'Belfast' Young on tides, Archibald Smith's good opinion of it, has been corresponding with Smith and Thomson about Herschel's 'nonsense' in the Edinburgh review, talks of his illness and his dashed hopes: Belgrave Place, Brighton | 6 Sep [] |
| 72 | RLE to W Walton (2ff)
cancels a visit from WW: Anstey Hall | 11 Jun [] |
| 73 | RLE to W Walton (2ff)
asks WW to find a watch and a blank cheque book, and for a dispatch box to be sent off to him, his furniture is in storage, thought he was going to have an operation when recently in London: 19 Brock Street, Bath | n.d. |
| 74 | RLE to W Walton (1f, fragment)
comments on the velocity of sound vibrations, he may enclose a problem | n.d. |

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- 75 RLE to W Walton (2ff) []
 Paget has made certain medical examinations,
 heart malfunction, diagnosis of Bright's disease
 'a kindly worded sentence of death'
- 76 RLE to W Walton (2ff) n.d.
 has sent WW a statement which he realizes was
 wrong
- 77 RLE to W Walton (2ff) 17 Feb 1850
 has arrived in Nice from San Remo, assistance of
 his cousin, feeling somewhat better, an English
 doctor in attendance, misery of previous two
 months of illness: Hotel de la Pension Anglaise,
 Nice
- 78 RLE to W Walton (2ff) n.d. [Oct 1850]
 reflects on his relationship with WW, looks back
 on the last 14 years, full of regrets, Cope is
 packing up his books [in preparation for his
 departure from T C], copies out solution to a
 problem (lists 35 combinations without binary
 recurrences)
- 79 RLE to W Walton (2ff) n.d.
 has received a cake from WW, it is seven years
 since he has been in the vicarage kitchen [and
 just under seven years since leaving Cambridge]
 his regrets, his sight is deteriorating, asks what
 the right ascension of the Hyades and Pleiades,
 mathematical formulae
- 80 RLE to W Walton (2ff) 13 Dec []
 refers to request in 73, WW has sent on a
 portfolio with lock instead of the desired
 dispatch box, was in Bath ten years ago after
 leaving Trinity, his regrets, proposed new edition
 of Solid Geometry and Mechanical Problems for
 which he makes suggestions re finding the linear
 generatrices of the hyperboloid, says the chapter
 on impact needs to be altered, his work on the
 question of the rolling sphere as demonstrated
 to Thomson and Mathison: Brock Street, Bath
- 81 RLE to W Walton (2ff) n.d.
 WW is to stay with him in Bath, PS: has written
 to ask Grote to leave WW's books at the Porter's
 Lodge: 19 Brock Street, Bath
- 82 RLE to W Walton (2ff) n.d.
 asks WW to get any edition of William Gilbert's
 Physiologia Nova sive de Mundo Sublunari out
 of the Library and to send it to J Spedding of 60
 Lincoln's Inn Fields who is collating a MS of the
 book in the BM, reminiscences of times spent in
 the Library, George Dance staying in a village
 nearby, they have met: Bath
- 83 RLE to W Walton (2ff) 8 Jul []
 has received the right [dispatch] box, weak and
 unwell
- 84 RLE to W Walton (2ff) n.d.
 his pleasure that William Whewell being cheered
 in public, Whewell's wife has [recently] died, tells
 Walton the secret of Napier's rules, D F Gregory
 ignorant of Napier's rationale: Anstey Hall
- 85 RLE to W Walton (1f, fragment) n.d.
 sends WW William Whewell's Elegiacs: 10 Trinity
 Street

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- 86 RLE to W Walton (2ff) 1 Jul []
 asks WW (again) to find a book of maps and to send them by post to R Mayne Esq, Newbliss, Ireland, maps may be in the dispatch box (see 73, 80 and 83): Apsley Villa, G[reat] M[alver]n
- 87 RLE to W Walton (2ff) 24 Mar []
 WW is about to visit him (H A J Munro already has), he has bought a copy of the Mahamah, asks WW to bring him Heinrich Julius von Klapproth's Tableaux Historiques de l'Asie if it is in the library, with some books and MSS which [John] Grote was to have brought him months ago when he was in Brighton, also the chronometer, his physical condition, bouts of fever, can do little for himself, the debilitating effect of grief: Bath
- 88 RLE to W Walton (2ff) 27 Jul []
 cannot be troubled to read some papers which WW has mentioned, Grote has been visiting him in Great Malvern, the water cure has been a failure, will leave soon going first to Bath then, perhaps, to Brighton, gives mathematical equation for a surface passing through the corners of a tetrahedron, reflects on his bad luck, asks how Cracroft did in the last examination: Great Malvern
- 89 RLE to Mrs Walton (2ff) 24 Feb 18[]9
 has received a cake from Mrs Walton, Plutarch on cakes, when in Nice had been recommended to try Wildbad or Gastein, muses on providence and destiny, quotes Dante: Anstey Hall
- 90 RLE to Mrs Walton (2ff) 7 Nov 1851
 has heard that WW is using crutches, he is too infirm to use his own, etymology of crutches, he has taken Anstey Hall but doubts whether he will get there, very ill, fears another attack of rheumatic fever, has been in the hotel for six weeks: Calverley Hotel, Tunbridge Wells
- 91 RLE to Mrs Walton (2ff) n.d.[1856]
 details about the engagement of Mrs Lever [nurse or domestic servant]
- 92 RLE to Mrs Walton (2ff) n.d.
 sends a parting gift of a collection of seaweeds: Anstey Hall
- 93 (1) and (2) RLE to Mrs Walton (2ff and 1f, fragment) n.d.
 in Bath, the change seemed at first to have improved his health but it has since deteriorated, complains about the lack of stimulating society, comments on Christmas festivities in Bath and elsewhere, (had been in San Remo the previous year) : Brock Street, Bath
- 94 RLE to Mrs Walton (2ff) n.d.
 Mrs Walton has left behind her necessaire, he will return it
- 95 RLE to Mrs Walton (2ff) n.d.
 arrangements for Mrs Walton and party from Chesterton to attend Trinity chapel

- 96 RLE to Mrs Walton (2ff) n.d.
they have exchanged gifts, he has given her a marquetry box from Nice, proposes to go to Brighton the following day, ill and weary of life, quotes words of Andre Chenier: [Fladong's Hotel, 144 Oxford Street, London]
- 97 RLE to Mrs Walton (2ff) n.d.
in reply to her question writes at length about his aunt, Mrs Gore, and her daughter, describes himself as a dreamer, mentions Archibald Smith and Duncan Gregory: Brock Street, Bath
- 98 RLE to William Whewell (2ff) 29 Aug 1858
discusses his result to what he calls the Crows problem (which he had sent to De Morgan who had agreed) viz. that the space occupied by the globes is to the contents of the vessel as pi to the square root of 18, mentions Sir Alexander Crook's edition of the Schola [Salernitana] and a book of rhyming Latin verse, also the professor of Natural Philosophy at Glasgow, Willy Tomson, of telegraph fame: Anstey Hall
- 99 RLE to William Whewell (2ff) n.d.
they have exchanged notes on the etymologies of various words, he sends guesses on several others: Anstey Hall
- 100 RLE to [William Whewell] (2ff) n.d.
requests permission to break the seal on a letter of introduction to L A J Quetelet which [Whewell] has written on his behalf: Trinity College
- 101 RLE to [William Whewell] (1f, fragment) n.d.
regarding the return of a book
- 102 RLE to [William Whewell] (2ff) n.d.
the under-librarian is to copy out TC's collection of Newton's letters under RLE's supervision for a proposed edition, hopes [Whewell] will undertake task of editing and commentary
- 103 RLE to William Whewell (2ff) 27 Sep []
thanks Whewell and his wife for their hospitality, has left behind a book (a volume of Bouillet's edition of Bacon), asks for this to be sent to him together with the Problemata Marina: Trinity College
- 104 RLE to [William Whewell] (2ff) 22 Jan 18[48]
hopes to be able to revise a paper he has written in the light of [Whewell's] suggestions: Dover
- 105 RLE to [William Whewell] (2ff) 11 Oct []
he returns a proof sheet which [Whewell] has sent him, [Whewell's] criticism of Mill agrees with RLE's views on Bacon's method, refers to his work on Bacon's tables of absence, presence and variation and the Exclusiva, the progress of science, proposes a comparison between Leibnitz's notion of a philosophical language with that of codification: Trinity College

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- 106 RLE to [William Whewell] (2ff) 8 Aug []
 he is contemplating his final departure from the university after many years there, at present he is Greek lecturer at TC and next year he should be head lecturer, he wishes to be passed over re the latter position and go out of residence during the coming year: Trinity College
- 107 RLE to [William Whewell] (2ff) n.d.
 has received some proofs from [Whewell], corrects one point on the perception of the orbit of Mars
- 108 RLE to [William Whewell] (2ff) 26 Apr 1858
 has received from [Whewell] some papers on eclipses, encloses a proof (dictated to Walton) that the planetary orbit is a conic section (the enclosure is missing): Trumpington
- 109 Missing
- 110 RLE to D F Gregory (2ff) n.d.
 he has sent off his paper on the general theory of probabilities, is now working on the law of probability of error, disagrees with the views of P S Laplace, is preparing a paper on the subject and asks Gregory if he can send him some material for him and [Archibald] Smith to read, gives formulae of two general theorems from which (he believes) all the results with regard to definite multiple integrals may be obtained, mentions works of Deflers, J B J Fourier, and P G Lejeune-Dirichlet: Dover
- 111 Augustus De Morgan to RLE (2ff) 24 Jun 1854
 gives background to the four-colour problem and the theorem he has established, has quoted this as an instance of William Whewell's views about latent axioms, asks for RLE's views and enquires after his health: 7 Camden Street, Camden Town, London (Offprint from Mathematical Gazette, 1979, pp 125-8, mentions this letter pp 126-7.)
- 112 (1) Augustus De Morgan to RLE (2ff) 28 Dec 1855
 gives details of his 'puzzle', describes the law according to which obtuseness or acuteness of sides combines with obtuseness or acuteness of angles in a spherical triangle, comments on T S Davies' edition of C Hutton's A Course of Mathematics, nothing on the affections of oblique triangles, in this connection mentions Robert Woodhouse, T S Davies, [], [], A M Legendre and J B J Delambre: 7 Camden Street, Camden Town, London
- 112 (2) Diagram (1f) n.d.
 mathematical diagram with note: 'Yours came in after I had written the above. You are right or here appears. A De M'
- 113 George Dance to RLE (2ff) 20 Dec 1857
 has been struck by a letter of [] [] Armstrong which speaks of the drawbacks to faith from continued illness, asks for RLE's views, project to build and endow a district church in a neglected area, asks for a contribution: Barr House
- 114 Robert C Jenkins to RLE (2ff) n.d.
 announces the death of his mother: Nottingham Place

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- 115 (1) Sir William Napier to RLE (2ff) n.d.
thanks RLE for his letter, anticipates a visit from RLE to Bath
- 115 (2) envelope addressed to RLE, 74 Gloscester (sic) 16 Apr 184[]
Place, Portman Square, London, stamped Bath
- 116 J P Norris to RLE (2ff) 20 Feb 1859
contains details of a sermon he has heard at Westminster Abbey: 18 Eaton Place, London (printed address on note-paper is Education Department, Council Office, Downing Street, London)
- 117 Isaac Pitman to RLE (2ff) 11 May 1854
communication written in phonetics, Pitman has read RLE's pamphlet on the formation of a Chinese Dictionary and suggests he might be interested in the rectification of English orthography, is enclosing a copy of the Phonetic Journal, some papers on phonetic writing and printing, and a few elementary books for teaching reading by the phonetic alphabet: Bath
- 118 Charles Brodrick Scott to RLE (2ff) 22 Dec []
offers his sympathy to RLE in his illness, on the mystery of human suffering, religious sentiments: 15 Dean's Yard, Westminster
- 119 Charles Brodrick Scott to RLE (2ff) 14 Mar []
has heard from Lady Affleck that RLE is suffering from eye complaint, he is gathering the papers of alumni of [Westminster School], his enquiry about Sir R Affleck a former captain of College, mentions suspicions about the health of the Dean of Christchurch (H G Liddell), reactions to the newly published Two Years Ago by Charles Kingsley, "muscular Christianity": 15 Deans Yard, Westminster
- 120 Alexander Thurtell to RLE (4ff) 1[2] May 1857
describes at length his feelings regarding the mortal illness of his wife, Mary, as the result of childbirth: [Oxburgh]
- 121 William Whewell to RLE (2ff) 12 [Aug] 1848
asks permission to acknowledge RLE's assistance in revising a part of the new edition of Whewell's The Elements of Morality, including Polity, [Trinity Lodge]
- 122 William Whewell to RLE (2ff) 29 Mar []
he is preparing a new edition of The Philosophy of the Inductive Sciences, thanks RLE for corrections he has suggested, Whewell outlines the three main sections of the new edition: The Athenaeum, Pall Mall, London
- 123 R A FitzGerald to Lady Affleck (1f, fragment) n.d.
invitation to the "Bachelors Ball": Trinity College
- 124 Alex Haldane to Lady Affleck (2ff) 26 Apr 1864
Haldane has written a memorial article in the Record on RLE which Lady Affleck has read and appreciated, he recalls the time they spent together in Scotland in 1846, pays tribute to RLE's religious faith: 118 Westbourne Terrace, Hyde Park, London W

- 125 Alex Haldane to Lady Affleck (2ff) 29 Apr 1864
Lady Affleck is planning to reprint the memorial article (see 124): 118 Westbourne Terrace, Hyde Park, London
- 126 Mr [] of Ba[xin]dale, Tatham, Upton and [] [Solicitors] to Francis Ellis Esquire (2ff) 12 Jan 1835
informs FE that Mr and Mrs Affleck's marriage settlement has been executed by the trustees, one part of which has been sent to Mr Burton on account of Sir Robert and Mr Affleck, the other part (with other documents) has been placed in the firm's fire-proof room, details of suits in the Irish Court of Chancery under Sir Robert Staples' will relating to FE and his brother: Great Winchester Street
- 127 Mrs J Maxwell to Francis Ellis Esquire, her brother (2ff) 15 Jul 1832
she is in Bath, shortly to go to Weymouth, Ellis has sent her estimates for the purchase of a new carriage, news of mutual acquaintances, family chitchat, mentions that RLE is tired of London: Bennet Street, Bath
- 128 W Walton to W C Mathison (2ff) 29 Mar 1866
is sending Mathison some letters [to WW from RLE] in two groups, the larger to be destroyed, the smaller to be preserved: The Vicarage, Chesterton
- 129 Richard Twining of Richard, John and Richard Twining [and Co] to Governor [Henry] Ellis (2ff) 17 Jan 1800
in response to a letter of Ellis from Palermo, dated 24 Oct 1799, they have made up an order of provisions and dispatched them by sea, the goods being consigned to J A Koster, merchant, of Leghorn (Livorno) , particulars of the account, news of events in France and hopes for peace in Europe: London
- 130 Mrs C W to Mrs Affleck, her sister (2ff) n.d.
news of family (their sister Penelope has recently been married) and friends: 14 Upper Gros[venor] Street, London
- 131 [RLE] to Francis Ellis Esquire (2ff, lower half missing) 26 Jan 1836 [1837]
concerning lodgings in [Trinity Street], the offer of rooms in college previously occupied by a nobleman, both the writer and Hunter have done badly in the Craven Scholarships: Cambridge
- 134 James Spedding to RLE (2ff) 15 Feb 1848
on the meaning of oratio fusa and oratio versa as used by Bacon
- 135 James Spedding to RLE (2ff) 28 Feb 1849
Empson has sent JS a note giving information on a certain passage in the second book of Bacon's *Of the Advancement of Learning*, JS is enclosing the same (enclosure missing), asks the meaning of the word *mattacina* as used by Bacon in his *History of King Henry VII*, news of his domestic life, his family and the weather: Mirehouse, Keswick

- 136 James Spedding to RLE (2ff) 23 Jan 1856
 asks RLE to confirm the source of a reference relating to a passage in Bacon's De Augmentis Scientiarum, book four, asserting that Julius Caesar Scaliger had published an edition of Aristotle's De Physiognomia in the year [], he can find no reference to it in the BM catalogues: 60 Lincoln's Inn Fields, London
- 132 RLE's Declamation (22ff) 1838/9
 Declamation on the subject of Bacon as the author of the Novum Organum and its influence on modern science, the essay was submitted for the Hooper Declamation Prize (Trinity College) for 1839 and was read 1 Dec 1838
 Endorsement (in Latin): this declamation was deemed worthy of the second prize, in the year 1839, Trinity College, I (RLE) read it 1 Dec 1838
- 133 Drafts of a number of RLE's writings on Bacon (54ff)
 eg ff 1-2 are part of the draft of his Declamation, see 132 above, ff 4-7, and also RLE's letter to his father, no 4
 ff 32, 8, 9, 10-17, 50-54, 21, 22, 29, 30 and 34 make up the draft of the final section of RLE's General Preface to Bacon's Philosophical Works, in The Works of Francis Bacon, collected and edited by J Spedding, R L Ellis and D D Heath (London, 1857) vol 1 pp 57-67.
- 137 Notes (17ff) n.d.
 [Chinese phonetics, perhaps written in connection with RLE's pamphlet on the Formation of a Chinese Dictionary.]
- 138 (1) Map (1f) n.d.
 hand drawn and coloured map of Roman Gaul, Belgium, Germany etc
 Endorsement: Redland School, Bristol
- 138 (2) Notes (1f) n.d.
 notes on gold and silver coinage
- 138 (3) Notes (2ff) n.d.
 verses from the Bible in Latin, English, Hebrew and Greek
- 138 (4) Notes (1f, fragment) n.d.
 Quotations on satire and satirists
- 138 (5) Notes (2ff) n.d.
 hand written facsimile copy and transcript of 1 Corinthians VII. 29-33, taken from Romance MS Trinity College, Dublin, Class A Tab 4 No 13, commentary notes signed by D C[lif]ton
- 138 (6) and (7) Poem (2ff each) n.d.
 [Translation of a] Spanish ballad (see also RLE's letters to W Walton nos 25 and 26 above)
- 138 (8-10 and 12) Notes (8-10 2ff each, 12 1f, fragment) n.d.
 Etymologies of a number of words (see also RLE's letter to William Whewell no 99 above)
- 138 (11) Notes [part of a letter] (2ff) n.d.
 RLE's criticism of an alteration made to a numerical sequence given in the Timaeus, done so as to represent the planetary distances, mentions Franz Xaver Zach's proposal to look for a new planet

Add Ms c 67 PAPERS OF ROBERT LESLIE ELLIS

138 (13)	Notes (1f) notes on the foot and the back of a print of Weymouth (H Haseler, 1845), representations of porcelain marks, some of which believed to be of the Ming Dynasty	n.d.
139 (1)	Notes (2ff) an account of the Delian Problem (on the doubling of the size of a cube) with solution	n.d.
139 (2)	Notes (1f) note written by Francis Ellis (RLE's father) giving details of a numerical theorem devised by RLE when eight years old	n.d.
139 (8)	Notes (1f) essentially the same as 139 (2) above, annotation initialled by Lady Affleck: " My father's writing about RLE (EFA) "	n.d.
139 (3) and (4)	[RLE] to [] (2ff and 1f, fragment) [fragment of or enclosure in a letter] refers to the four colour problem or (which is the same thing) the problem of 'parting with 4 letters the corners of any polyhedron, all whose faces are triangles so that no edge shall show the same letter at both ends', gives his solution, and see also Augustus De Morgan's letter to RLE no 111 above	n.d.
139 (5)	Diagram (1f, fragment) diagram with note: '1, 2, 3, 4, 5 have all the same spherical parts'	n.d.
139 (6)	Diagram (1f, fragment) labelled diagram and formula	n.d.
139 (7)	Notes (2ff) observation on a navigational matter	n.d.
140 (1) to (18)	Various poems Mostly [translations of] Spanish ballads, but (11) is a poem initialled J [F] W H and dated Dec 1841	
141 (1)	[RLE] to [] (1f, fragment) note in French, his right eye is worse than ever	n.d.
141 (2)	Note (1f, fragment) note in Latin "Condignum est ut in hac hora patiatu[r] aliquid pro te servus tuus" (It is very worthy that in this hour I should suffer any thing for you, your servant)	18 Aug 1856
141 (3)	[RLE] to [] (1f, fragment) note, his eye less red but his vision is poor	n.d.
141 (4)	[RLE] to [] (1f, fragment) note re some scraps of poetry	n.d.
141 (5)	[RLE] to [] (1f, fragment) note in French, request for assistance during the absence of G	n.d.
141 (6)	[RLE] to [] (1f, fragment) note cancelling a visit from [], heart and chest bad	n.d.
141 (7)	Notes (1f, fragment) addition to a footnote about sailing chariots in the Historia Ventorum, see The Works of Francis Bacon, collected and edited by J Spedding, R L Ellis and D D Heath (London, 1857) vol 2 p 65)	n.d.
141 (8)	Note (1f, fragment) note in Latin	n.d.

Add Ms c 67 PAPERS OF ROBERT LESLIE ELLIS

141 (9)	[RLE] to a female acquaintance (1f, fragment) note in French, sorry not to have seen her, thinks rheumatism has finally reached his heart	15 Feb []
141 (10)	Note (1f, fragment) note as a label for some letters, translations, etc	n.d.
141 (11)	[RLE] to [] (2ff) note in English and Latin, has sent []'s books to []'s rooms, [is ill and unable to work]	n.d.
141 (12)	Notes (2ff) design for a seal with sketch, motto to be Mobilis constantia, an allusion to a phrase used by Bacon, and see also RLE's letter to W Walton no 32 above	n.d.
141 (13)	[RLE] to [] (2ff) note cancelling a visit from [], heart causing him great distress	n.d.
142	Missing	