Miss Osborne, Miss Carr, & a part
engaged likely
en were standing in very ~~fi~~
sympathy
— & ~~after the dance~~ the vac
Officers of the Sett, walking off
stra to order their dance; while
was passing before her, to be
cting Partners hastily said — "Charles
ardon for not keeping my engagem
I am going to dance these two dan
Beresford. I know you will excuse
tainly dance with you after Tea.
she
staying for an answer, turned
Miss Carr, & in another minute
begin the Set.
Beaufort to ~~the top of the room~~
"invity" happiness
little boy's face had been interes

Jane Austen worked on the novel now known as *The Watsons* when she was 28 or 29, but never finished it. This page shows her deletions and corrections to part of a scene in which Emma Watson attends a ball.

Oxford, Bodleian Library, MS. Eng. e. 3764, fol. 15v (detail).

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or for $\int_\zeta^{\zeta+k} fx \frac{dx}{dz} . dz$ - - - - - - - - - - - - $\int_\zeta^{\zeta+k} \frac{df_1(\psi z)}{dz} dz$

Since $fx \frac{dx}{dz} = \frac{df_1 x}{dx} . \frac{dx}{dz} = \frac{df_1(\psi z)}{d(\psi z)} . \frac{d(\psi z)}{dz}$ which last is by the Rules of Differentiation $= \frac{df_1(\psi z)}{dz}$ or $\frac{df_1 x}{dz}$

Secondly: by pages 100 & 101, (1) $\varphi x + C = \int_a^x \varphi' x . dx = \int_a^x \frac{d\varphi x}{dx} dx$

(2) And $\varphi(a+h) - \varphi a = \int_a^{a+h} \varphi' x . dx = \int_a^{a+h} \frac{d\varphi x}{dx} dx$

~~Therefore in~~ $\cancel{\frac{df_1(\psi z)}{dz}}$ ~~we consider~~ $\cancel{f_1(\psi z)}$ ~~as equivalents to φx in (1)~~

Therefore if in $\int_\zeta^{z} \frac{df_1(\psi z)}{dz} dz$, we consider $f_1(\psi z)$ as equivalents to φx in (1); <u>z as equivalents to x</u>; <u>ζ as equivalents to a</u>; we have $\int_\zeta^{z} \frac{df_1(\psi z)}{dz} dz = f_1(\psi z) + C$

And Similarly $\int_\zeta^{\zeta+k} \frac{df_1(\psi z)}{dz} dz = f_1 \psi(\zeta+k) - f_1 \psi \zeta$, derived from (2)

A page of Ada Lovelace's study of calculus survives among her correspondence with the mathematician and tutor Augustus de Morgan. Through her collaboration with Charles Babbage, inventor of the mechanical computer, she would go on to write what many regard as the first computer program.

Oxford, Bodleian Library, MS. Dep. Lovelace Byron 170, fol. 354v (detail).

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It was on a dreary night of November
that I beheld ~~the frame on which~~ my man compleated; ~~and~~
with an anxiety that almost amount
ed to agony I collected instruments of life
around me ~~and endeavoured to~~ that I might infuse a
spark of being into the lifeless thing
that lay at my feet. It was already
one in the morning, the rain pattered
dismally against the window panes &
my candle was nearly burnt out, when
by the glimmer of the half extinguish
ed light I saw the dull yellow eye of
the creature open — It breathed hard,
and a convulsive motion agitated
its limbs.

~~But how~~ How can I describe my
emotion at this catastrophe; or how deli
neate the wretch whom with such
infinite pains and care I had endeavour
to form. His limbs were in proportion
and I had selected his features ~~&~~ as
~~handsome~~ ~~Handsome~~ beautiful, Great God! His
~~dun~~ skin scarcely covered the work

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In the endless winter of 1816 when volcanic ash obliterated the sun, nineteen year-old Mary Shelley came up with the idea for *Frankenstein* while holidaying in Switzerland with Percy Bysshe Shelley, Lord Byron and Claire Clairmont, inspired by a ghost story competition they engaged in. Mary wrote the draft of the novel in two notebooks now held at the Bodleian Library.

Oxford, Bodleian Library, MS. Abinger c. 56, fol. 21r (detail).

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