

Templeton Journal 1816-1817 Fiche No 1

1 January 1817 to 31 December 1817, 1 January 1816 to 2 March 1816

104 pages, 9123 words

Note: a number of pages are out of sequence and duplicated in Part 2.

PDF DAY MONTH/YEAR JOURNAL PAGE

1

1816-1817

The YEARS TRANSPOSED

IN THE DIARY.

2

By Sir John Methuen Poore's experiment
it was found that half a rood, or one eight
of an acre, produced for several years as
great a weight of Potatoes as was sufficient
for a family of 4 persons. Four Acres
answered for 131 persons

Philosophical Magazine

Vol 10. p 229. note SS

Some recommend the proportion per Acre
to be at the rate of one bushel of Rye grass
to 12 pounds of Red Clover, others 14lb
of Red Clover to half a bushel of Rye Grass

same Note

It is supposed that an Acre of Clover and Rye
grass, cut green will produce 20,000lbs
weight of food for Cattle. A large cow re-
quires 110lbs. weight of green food p day;
a middle sized cow such as a Cottager is
likely to purchase, not above 90lbs

same p.230

3

Impelled by our feelings of pity for suffering fellow creatures, our love of mercy, and will conceiving the pleasure you must feel in being called upon to extend the Royal prerogative, that power of mitigating the Judicial sentence, and impressed also with a firm belief that it will be most grateful to your feelings as a Man to extend the Divine attribute of Clemency. We with confidence hope that you will pardon our intrusion in taking the Liberty of approaching your Excellency in behalf of [blank] W Gill and John Doe now under sentence of death not that we consider the offence which they and the party with which they were connected as an offence which does not merit punishment, but consider the horrors of the punishment which they have already experienced the long the horrible hours which they have passed, the heart depressing sadness, which every minute arose in their minds, when they looked upon their situation, their ignominious end

4

Before they were impelled by unforeseen circumstances to join in the late terrible transaction, a deed which had they for a moment considered the sinfulness of, they would have shuddered at and retired from as too horrible to think upon. The Religious, the quiet the Industry course of their lives plead strongly in their behalf

5

[Inclusion]

Lain????? Trees Ash Beech
???????Larch
? with??????? enclose
Ireland ??
??
to ev ??
??
inclosures admit of large sheep
The breed of swine has for a length of
been little all ?? those ??
?? great head animals would have been
superseded by a breed with a smaller ??
of offal. Pork being ?? which of such
importance among the experts of Ireland
and the fattening of a pig ??????
the powers of Almost the lowest and
of Irish peasants it is extraordinary
that so little attention to the breed
a more valuable??
??
almost all. ?????? arise

6

[Inclusion, probably reverse of pdf5, affixed to page at top:]
Mr Johnston requests the
honor of Mr Templeton
Company to dinner on
Saturday next
Seymourhill Augt 7th
[Written down Journal page:]
at the last cattle shew at Smithfield an Ox was
exhibited of 1739lb - Sheep 17? Feb 14 - 1816

7

[Repeat of Journal entry in pdf6]

8

the produce of rather more than three and one
eight acres of Land - namely half an Acre for
Bread, one eight of ditto for Beer Cyder &c one

fiftieth do for Vegetables, and 2½ do Animal food (39 stone of which, each person, on an average population of 10 Millions is computed to devour) It is estimated that there are in England and Wales 1,759,000 Horses for Labour and pleasure, and that they, with Colts etc require for their support, 7,500,000 Acres of Land. In the County of Middlesex, the number of taxed pleasure Horses in 1797 was 18,266 for Agriculture etc 12,709. Total 30,975

The Metropolis consumes Butchers meat, to the amount of Seven Millions Sterling annually. A Calf, fed for the London Market, is stated to consume as much Milk as would make a Hundredweight of Cheese. The number of Sheep, in England and Wales, according to the Evidence given on passing the Wool Bill, exceeds forty Millions, of which including three Millions of Lambs, about fifteen Millions are Killed annually.

Other articles of sustenance for the People of London may be here noticed, the herds of Milch Cows in its vicinity, excite surprise in Foreigners, yet few of them

9

[This section on side]

Account of the sales in Smithfield London

London from the years 1732 to 1794

Years	Cattle	Sheep
1702	70,210	514,700
1794	109,064	717,990

The Average Weight of Oxen killed for the London Market AD. 1700 is 370lbs of Calves 50lbs Sheep 28lbs

Now Novr. 1812 the Oxen weigh 800lbs the Calves 140lbs Sheep 80lbs and Lambs 50lbs

At a cattle shew in Smithfield. Feb. 7. 14.1816 an Ox was Shewn of 1739lb a Sheep of 175lb

From Jany. 4th. to Decr. 30 1808 there were sold at Smithfield Beasts 152,660 Sheep & Lambs 1,045,210 Calves 17,750, Pigs 34,110.

At Vienna the number of Cattle etc which came for the consumption of that Capital from the 1st. Novr. 1805 to the 31 of October 1806 amounted to 72,761 Oxen 2,241 Cows 64,992 Calves 69,024 Sheep 102,434 Lambs, 63,094 Hogs, 6,198 Sucking Pigs. 515,433 Quintals of Wheaten flour 331,160 Quintals of Rye Flour etc 22,322lbs of salt, 332,072 Measures of Austrian Wine 33,576 of Hungary Wine 1,875 of Foreign Wine 595,751 Measures of Beer
 A Human Being (An Englishman we suppose) is supposed to consume
 Annually

10

suspect the amount of the consumption of Men which is not less than 6,980,000 Gallons annually The number of Cows kept for this supply is 8,500 The sum paid by the retailers of Milk to the Cow-keepers, is given £240,833 per Annum, on which the retailers lay an advance of Cent for Cent making the cost to the inhabitants £481,666, not content with the profit above stated, a sixth part water is added on an average

Daniels Rural Sports Supplement
 800 Ed p 117 to 125

11

The following Quantities of Fish were brought into the port of London

	In the Year 1802	In 1803
	Ton. ?? qr. lb	
Fresh Cod Haddock etc	1,416.10.3.4	2173.10.3.12
Slightly salted	171. 9.1.8	312.10.8. 8
Skait Thornbacks	<u>649. 8.2.14</u>	<u> 1090. 3.3.11</u>
	2,237=8=2=26	3576=4=3=3

12

January 1817

1 Made a drawing of a Mouse caught Last Night in my sleeping Room that was

- finely variegated with White
- 6 Mon Ther at 9 AM 37 Sleet show
- 7 Tues 8 37 Dry
- Found *Asteria*
- 9 Thur 8 42 Fine
- 10 Fine
- 11 Sat 9 AM. 42 Fine
- 12 9½. 40
- 13 Mon Some Wet
in the Morning
- 14 Tues 8 AM. 34 Slight
Snow that Whitened the
Mountain tops and sprinkled
the Ground
- 15 Wed 9 AM. 33 Dry

13

January 1817

- 16 Thur Ther at 9 AM. 34
- 17 Fri 8 41 Showers
- 18 Sat 9 AM 43 Fine
- 19 Sun 9 AM 34 Fine
- Morning Wet afternoon
- Yesterday on examining the
stomach of a Codfish I found
in it *Asterias papposa*, *A.*
glacialis, *Ophiura vulgaris*
Oniscus Oceanus, and a
Cancer extremely like *C.*
septemdentatus Lin Tran
but this specimen had its
sides with 10 denticulae and
it's front tridentated.
- 20 Mon. Ther at 9 AM. 43. Wet
Made a drawing *Rhizomorphs canis*
ligulata
- 21 Tues Ther at 8 AM. 31½ Dry

14

January 1817

- 22 Wed. Ther at 8½ AM. 45 Stormy
Night Slight Rain during
the day
Cut down a Chestnut Tree
- 23 Thur Ther at 8 AM. 51 Fine
dark
- 24 Fri 8 AM.34 Dark
damp day
- 25 Sat 8½ AM 52½ Fine
dark day
Turdus musicus Singing
- 26 Sun 9 AM 49 Fine
dark
- 27 Mon Very
Fine
- 28 Tues 8 AM 42 Fine
- 29 Wed 8 AM 43 Fine
- 30 Thur 8 AM. 45 Fine
- 31 Fri 9 40

15

February 1817

- 1 Sat. Ther at 8 AM. 46 Fine
Received from Mr Harris
Magnolia gracilis
Dictamnus alba
rubra
Lobelia
Rudbeckia fulgida
Gentana Saponaria
Pneumonantho
- 2 Sun Ther at 9 AM. 40. Fine
- 3 Mon Ther at 8 AM. 37. Fine
- 4 Tues Ther at 8 AM. 44 Wet day
Stormy at Night
Having given some prunings
for fuel

of *Rhododendron Ponticum*
a Goat eat of it, and Vomited
for a day or two and then
died

16

5 Wed. Ther at 9 AM. 36. Dry
Snow on the Mountain Tops
6 Thur 8 AM 50 Some
Rain Stormy at Night.
7 Fri. 8 AM 47. Some
Showers
8 Sat Showery
9 Sun 9 AM. 39. Dark dry
Stormy at Night
An Address to the Prince Regent
on his supposed escape from the
shot of an Assassin as he was
proceeding to open the Parliament
January 1817

Although we regret the occasion
it is with the most heartfelt satis
faction we approach your Royal
Highness with our congratulation
on your late happy escape from
the Malignity of an Assassin

We

17

We at all times consider As
-sassinatio as one of the Black
est Crimes that can disgrace
a Member of Society, and feel
more particularly on the present
occasion, when had this foul
deed been carried into effect,
our Country would have been
deprived of her long cherished Hopes

for to you Sir does Ireland look
up, for the redress of her grievan-
ces, confident that the pledge
of your youth will ultimately
be fulfilled to our Country, by
bestowing on Ireland, Freedom
and a Just administration of
the Laws, only as we conceive
to be procured by a Constitution
Reform in Parliament.

And permit us to observe that the
Brightest Gem which displays
itself

18

February 1817
itself in the Diadem of Britain
is the Liberty which the Constitu-
tion secures to every Member
of the National Society. This
is the Jewel which Britons have
ever prized. For which they bled
and which has raised their Coun-
try above all the surrounding
Nations.

Reform and Reform only we
conceive can relieve the peo-
ple in every Class of Society
from the Embarrassments and
Misery they at present expe-
rience. When this great object
is accomplished. This happy
change takes place. Then
may you truly say when
ascending the Throne of your
Fathers its defence is the

arms

19

February 1817

arms, its strength is in the
Love of the People. I dread not
the Influence of Party Spirit
nor the attacks of external
Enemies.

We know the difficulties you
have to encounter, the op-
-posing interests you have
to reconcile, before your long
since made expressions of
kindness to, your desire of
benefiting Ireland can be
fulfilled. But that Provi-
-dence which has preserved
you so long we doubt not
will protect, and enable
you to accomplish the Ge-
-nerous Feelings of your Heart

20

February 1817

The foregoing was thought not
immediately within the limits
of the requisition, therefore not produced

- 10 Mon Ther at 8 AM. 43. Wet
day
- 11 Tues 8 AM. 32 Thin
Ice in the Morning Fine day
Stormy at Night
Leucojum vernal Fl.
- 12 Wed 8½ AM. 42. Windy
and Showery Morning.
Showers
- 13 Thur 8 AM. 47 Showers
Attended a Meeting in Belfast
to Petition for Parliamentary
Reform

- 14 Fri. 8 AM. 34. Snow
on the Mountains down to the
Falls road Snow Showers
- 15 Sat 8 AM. 42 Heavy
Showers and Great Squalls

21

February 1817

- 16 Sun Ther at 9 AM. 38. Dry
Taxus baccata Flow
Crocus stillaris almost in
Flower
- 17 Mon Ther at 9 AM. 51. Fine
day a Gentle Shower
Chaffinch Singing
- 18 Tues 8 AM. 43 Some
Rain
- 19 Wed 9 AM. 54 Had
been Frost. Dry day
Crocus
- 20 Thur 8 AM 45. Heavy
Showers
- 21 Fri 8½ AM 35. Stormy
Night with Snow and Snow
Showers through the day
but which Melted
- 22 Sat 8 AM. 40 Slight
Shower

22

February 1817

- 23 Sun Ther at 9 AM. 49. Showers
- 24 Mon 8½ AM. 40 Dark
day with a Shower
Anemone Hepatica Fl
- 25 Tues 8 AM 49 Fine
Received from Mr Farrel
Lobelia
Phlox

Polemonium caeruleum

Found on the shore near Cushen
dall

26 Wed. Ther at 9 AM. 37. Showers

Cynoglossum Ompalodes Flow

27 Thur 9 AM 43 Squally

Showers Very stormy Night

last Night many Walls

blown down, and some

houses unroofed

23

February 1817

28 Fri. Ther at 8 AM. 48. Pleasant

day after a Stormy night

some showers

March

1 Sat. Ther at 9 AM. 51. Stormy

Night. Very heavy Show

-ers and squall through the

day

2 Sun Ther at 9 AM. 36. Stormy

night with some snow lying

Very stormy at Night

Scilla bifolia Flow

3 Mon 9½ AM 40 Great

Storm about 2 PM with

showers

4 Tues 8½ AM 33. Snow

Showers

5 Wed 8 AM. 33 Snow


Showers

24

March 1817

6 Thur Ther at 8 AM. 34 Snow

Showers Mountains White

- 7 Fri Ther at 8 AM. 33. Snow Showers
- 8 Sat 9 AM 35 Snow Showers
- 9 Sun 9 AM. 37 Dry Sunny
Parus major singing
- 10 Mon 8½ AM 39 Fine
Erythronium Dens Canis Fl.
- 11 Tues 8 AM 47 Has been
a Great Rain during the Night
Dry day
- 12 Wed 8 AM. 48. Very Wet
Night Dry day
- 13 Thur 8 AM. 47 Fine
Found in a basin in the
House a very small Spider
 *Aranea* with a red abdomen
with a nearly diaphanous
light brown thorax and legs
hairy at the joints
- 25
- 14 Fri Ther at 8 AM. 40 Fine
- 15 Sat 8 AM. 47 Fine
Received from Mr Underwood
Glasnevin Garden by Mr Dillon
Thalia dealbata
Nymphaea odorata
Campanula versicolor
Epilobium latifolium
Convolvulus lineatus
Laurus nobilis angustifolia
- 16 Sun. 9 AM. 47. Fine
- 17 Mon 8½ AM. 43. Fine
Blackbird Singing
Andromeda Calyculata Fl
- 18 Tues 8 AM. 43 Fine
Windy at Night
- 19 Wed 9 AM. 37 Hail

and Snow Showers

20 Thur 8 AM. 32 Snow
Showers

21 Very cold day with Ice
Went to the Assizes was upon

26

March 1817

23 Sun Ther at 9 AM. 43 Dry

24 Mon Ther at 8½ AM. 44 Fine

Hyacinthus

Apis terrestris appear

25 Tues Ther at 8 AM. 38 Fine

26 Wed 9 AM. 47 Fine

with some squally showers

On the most prominent results

produced by Vegetation

All is connected in the vast system

of the Globe, and order emanates

from the equipoise of conflicting

phenomena. Animals carry of the

Oxygen of the Atmosphere, replac

-ing it by the Carbonic acid gas; and

are thus at work to adulterate

the constitution of the air and

render it unfit for respiration.

Vegetables take up acid gas,

retain the carbon, and give out

the oxygen; and are thus puri

-fying the air tainted by animals,

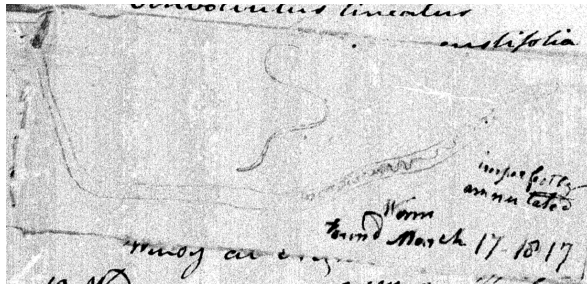
and reestablishing the necessary

proportions between its elements.

In

27

[Repeat of pdf 25 but with attachment:]



[text within attachment as follows below:]

imperfectly

annotated

Worm

found March 17 1817

28

[Repeat of pdf 26]

29

[Blank]

30

March 1817

In Europe, while our vegetables, stripped by the severity of the Sea-son of their foliage, no longer yield the air contributing to life, the salutary gas is born to us by trade winds from the southernmost regions of America. Winds from all quarters of the World inter-mingle thus the various strata of the Atmosphere and keep its constitution uniform in all seasons and at all elevations. The substances which are produced by the dissolution of animal and vegetable matter diluted with water, are absorbed by plants, and constitute a portion of the nourishment by which they are mentained; plants in their turn, become the food of

animals, and these again of others
which subsist on flesh. In
spite

31

March 1817

spite therefore of this perpetual
state of war and destruction no-
-thing perishes, for all is regene-
-rated. Nature has ordained
that the two great divisions
of organized beings should depend
the one upon the other for support;
and that both the life and death
of individuals should be equally
serviceable in keeping up the
races of them.

If we come to consider vegeta-
tion as it regards ourselves,
we shall find that this great
agent of nature, subjected in a
certain degree to the control
of Man constituted in a state
of society, is the main source
of his prosperity or misery.

How many countries have the
greedy ambition of princes, and
the degradation and ignorance
of the people made barren? Re-
collect

32

March 1817

Recollect that Asia minor, Judaea
Egypt, the Provinces at the
foot of Mount Atlas have been
and behold what they are at
this day. Recollect Greece, once
the country of Science and Li-

-berty, now that of ignorance
and slavery; she can be only
recognized in her ruins, and
her monuments of the dead.
Man had denied his labour to
the earth, and the earth her
treasures to Man: all vanished
with Agriculture. The traveller
who passes the country of so
great renown, finds in the place
of the pine forests that crowned
its Mountains, of the rich har-
-vests reaped by twenty busy na-
-tions, of the numerous flocks
that enriched its fields, only
naked rocks, and sterile sands,
with

33

March 1817
with here and there a miserable
village. He seeks in vain for
several rivers recorded in His-
-tory; they are gone. Thus the
rage of conquest and of rule not
only overturn cities, depopulate
whole countries, and bring back
barbarism, but they dry up
the very springs from which
the natural riches of the
earth have flowed.
To these melancholy results of
our passions we might oppose
the more cheerful ones of our
industry; but they are more
properly within the province
of the arts of cultivation and
administration, than of vege

-table physiology and botany
our present objects.

Journal of Science & the Arts

Vol. 2. 58

34

March 1817

Vegetation in ascending above the level of the sea, undergoes modifications analogous to those which attend its progress from the line to either Pole. With this distinction that in the last case the phenomena succeed by almost imperceptible gradations while they crowd upon and follow each other in rapid succession on the ascent of Mountains. The height of 4 or 5000 yards in the hottest parts of the globe, produces changes as distinct as the 2000 leagues or more, which lie between the equator and the polar regions. The three causes...reappear within this space viz. diminution of heat, dryness of air, and protracted

35

March 1817

ted duration of light. To these we must add two others; a decrease of depth in the volume of air, and a scarcity of those substances which abound in carbon, and are produced by the decomposition of organic

bodies

The higher we ascend the shallower the upper stratum of air becomes; thence the excessive cold at great heights; for it is the action of the atmosphere upon the rays of light which extracts the caloric from them, and we know that the extraction of caloric diminishes in proportion as the mass of air traversed by the rays is shallower; but on the other hand, the light is purer

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March 1817

and more active, just as if caloric was really a simple transmutation of light, as some naturalists have conceived it to be.

The weight of the atmosphere, which at the level of the sea supports a column of Mercury 28 inches high, diminishes as we ascend; so that at the elevation of 6000 yards it will only support a column of 13 inches and some lines high. A consequence of this fact is, that the vaporisation of fluids takes place on high mountains at a very low degree of heat. Notwithstanding this, however, the decrease of heat is so great that the ambient air

is very slightly impregnated with moisture.

It

37

March 1817

It is true that heights have not the long days of the polar regions, but they receive the rays of the sun earlier than the plains, and are quitted later by them, so that their nights are shorter than in levels.

In fine substances containing carbon, the wrecks of organized bodies, are rare on Mountains, the rains as well as the waters of the springs dissolving them and carrying them away as they run off into the vallies.

It cannot be doubted but that these causes united must act powerfully upon vegetation.

The slightest degree of heat will cause the plants on Mountains to transpire copiously;

the

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March 1817

the severity of the cold, the dryness of the atmosphere, the shortness of the nights, the scarcity of carbon, will impede the enlargement of the leaves, the growth of the stems; the strength of the light and the

protracted duration of the days
will accelerate the induration
of all the parts of their frame

Journal of Science and the
Arts. Vol.2. 48.

Alstonia Triformis. Tea of Ba
-gota See *Symplocos Alstonia*
Persoon. Mr Palacio Faxar
would send plants of the Tea of
Bagota to England. See M
Faradays Extract. Journal
of Science and the Arts Vol
2. p 92

39

March 1817

- 27 Thur at 8 AM. 39 Dry cold
Scilla Siberica Fl.
- 28 Fri. 8 AM. 45 Rain
during the Night Showers during
the day
- 29 Sat. 9 AM. 50 Fine
Hyacinthus Botryoides }
Fritillaria Meleagris } Fl
Pyrus Japonica }
- 30 Sun 8 AM. 45.
Wet during the Night
- 31 Fine
Turdus pilaris. Hear yet

April

- 1 Tues Ther, at 8 AM. 45 Fine
- 2 Wed Ther at 9 AM. 47 Fine
- 3 Thur Ther at 8 AM. 45 Fine
Attended a Meeting of the Belfast
Academical Institution

40

April 1817

- 18 Fri. Ther at 8 AM 47 Fine
Gentiana Verna Fl.
- 19 Sat 8½ AM 48. Fine
Menziesia polifolia on
plant coming into flower
Caught while digging in the
Orchard a Specimen of
[blank]
- 20 Sun Thur at 8 AM. 48. Fine
Orchis maculata Fl
- 21 Went to Colin Glen in Com
pany with Professor Knight
and Dr McGee
Found on the Mountain Top plenty
of *Jungermania pinguis* just com
ming into Flower
- 21 Mon Ther at 8 AM. 50. Fine
Chaerophyllum sylvestre Fl.
Linum latifolium one
bunch of Flowers in blow
- 22 Tues, Ther, at 8 AM. 49½ Fine
- 41
- April 1817
- 23 Wed Ther at 8 AM. 49 Fine
Cuckoo calling
A White Butterfly
Cardamine pratensis Fl
- 24 Thurs Ther at 8 AM 49. Fine
- 25 Fri. Ther at 8 AM. 46. Fine
- 26 Sat 9 AM. 50 Fine
Pedicullaris sylvatica } Fl
Troilius Asiaticus }
A Swallow
Papilio Algeria
- 27 Sun 8 AM. 49. Fine
- 28 Mon A Shower
during the Night None in the day

29 Tues 8 AM. 47 A Shower
in the Afternoon

30 Wed Fine

42

May 1817

1 Thur Ther at 8 AM. 47

3 Sat

Rail Calling

2 Fri.

Azalea Pontica Fl.

3 Sat Some Trifling showers

Apple tree }

Scilla Non Scripta }

Doronicum pardalian } Fl

-ches

Kalmia glauca }

4 Sun Ther at 8 AM. 48. Fine

The Young Waterhens

were following their parents

in the pond evidently some

days old

Veronica Chamaedrys } Fl

Montana }

5 Mon 8 AM. 48. Some

Slight Showers

6 Tues 8 AM. 46 Fine

7 Wed. 8 AM. 51 Fine

8 Thur 8 AM. 50

43

May 1817

Received from Mr Mackay

1 *Veronica multifida*

2 *Lilium candidum purple thipes* [?]

3 *Typha angustifolia*

4 *angustissimum*

5 *Rubia peregrina*

6 *Saxifraga hirculus*

- 7 *Fumaria lava*
 8 *cucullaria*
 9 *Arenaria Balearica*
 10 *verna*
 11 *grandiflora*
 12 *Narcissus triandrous*
- 9 Fri. Ther at 8 AM. 48. Dry Rain
 at Night
- 10 Sat Ther at 8 AM. 46. Thunder
 with heavy Rain in the Ards
 and about Newtown Ards
 Went to Mr Harveys Nursery
 with Miss Jane, Miss Isabella
 and Mr Tennent
 Received from Mr Harvey

Tritoma

44

- May 1817
- Rhododendron Azaceoides*
Delphinium
Beuplurum fruticosum
Convallaria verticillatum
 polygonatum
- 11 Sun. Ther at 9 AM. 49
- Prunus Padus* } Fl.
 Veronica saxatilis }
- Phalangium Leleastrum*
- 12 Mon 8 AM. 46½ Showery
- 13 Tues 8 AM. 45 Showers
 with Thunder
- 14 Wed 8 AM. 46. Showers
 Orobus tuberosus Fl.
- 15 Thur 8 AM. 46. Showers
 Grasshopper lark Singing
- 16 Fri 8 AM. 45 Dry
 Swifts
- 17 Sat Showery

May 1817

- 18 Sun Ther at 9 AM. 42. Shower
in the Morning
Rhododendron ferrugineum } Fl
Azalea nudiflora rena }
- 19 Mon Ther at 9 AM. 50. Fine
Lysimachia nemorum } Fl.
Viburnum Lantana }
- A Hawthorn at the Lagan side
- 20 Tue Ther at 8 AM. 46 Fine
- 21 Wed 8 AM. 50 Fine
- 22 Thur 8 AM. 50 Fine
- 23 Fri 53 Heavy
Showers with Hail
- 24 Sat 9 AM. 51. Fine
Mary found a specimen of *Helix arbustorum*
Spiraea Hypericifolia Fl in my field
- 25 Sun 9 AM. 51 Fine
- 26 Mon 9 AM. 45 Rain
- 27 Tues 8 AM. 52. Dry

May 1817

- 28 Wed. Ther at 8 AM. 50. Fine
- 29 Thur 8 AM 50. Fine
- 30 Fri Fine
Went up the Canal to Mr Fultons place
- 31 Sat 8 AM. 53 Fine
- June
- 1 Sun. Ther at 9 AM. 55. A
Few drops of Rain
Rhododendron Ponticum Fl.
- 2 Mon Ther at 8½ AM. 53 Some
Slight Showers
- 3 Tues Ther at 8 AM. 57 Showers
- 4 Wed Ther, at 8 AM. 52. Showers

- 5 Thur Ther at 8 AM 54
Lychnis dioica rubra } Fl
 Hawthorn }
- 6 Fri. Sat
- 7 Sun Ther at 8 AM 55 Heavy
 Showers to the SW and Thunder

47

- June 1817
- 8 Ther at 8 AM. 55 Dry
 [9 Missing]
- 10 Tuesday *Lilium bulbiferum um*
-bellatum Fl.
- 11 Wed Ther at 8 AM. 52. Rain at
 Night
- 12 Thur Ther at 8½ AM 56. Shower
- 13 Fri 8 AM 55 Heavy
 Rain
- 14 Sat 8½ AM 50 Some trifling
 Showers
- 15 Sun 8½ AM 52 Fine
Nymphoea alba the
 Small Flowers in blow
Azalea glauca Flowering
- 16 Mon Showers
 small
- 17 Tues 54 Some rain
 in the Morning
- 18 Wed 9 AM 61 Some Showers
Centaurea ochroleuca Fl
- 19 Thur 8 AM 54 Gentle
 Rain at Night

48

- June 1817
- 20 Fri. Ther, at 8 AM. 57. Drop
 -ping day
- 21 Sat. Ther at 8½ AM. 63.
Mimulus luteus }

- Kalmia angustifolia* }
Rosa tomentosa } Fl.
scabriuscula }
Digitalis purpurea }
- 22 Sun. 9 AM. 70 at 3
PM. 75½ Fine day
Rosa canina Fl.
- 23 Mon 8 AM. 69 at
9AM. 71.
Verbascum cupreum Fl.
- 24 Tues 8 AM 70
Great deal of thunder and Heavy
hail of very large size in some
places, while it was Rain in others
the Thunder moved from South to
North
- 25 Dry
- 26 Thur Ther at 9 AM. 68. Fine
Lonicera periclymonium } Fl
Phlox maculata }
Saw in the pond a second set
of young Waterhens

49

June 1817

- 27 Fri. Ther at 8 AM. 61. Dark
day with soft Rain in the
Evening
- 28 Sat. Ther at 8 AM. 59 Thunder
and Rain with some Hail
- 29 Sun 8 AM 59 Showers
- 30 Showers and
Thunder
Anthericum Liliago
- July
- 1 Tues Ther at 8 AM. 59 Heavy Rain
from 12 O clock

- 2 Wed. Ther at 9 AM. 57. Showers
Wheat Shooting
- 3 Thur 8 AM. 59 Shower
in the Evening
- 4 Fri. 8 AM. 60.
Oats Shooting
Campanula latifolia } Fl.
[5 missing]
- 6 Sun Ther at 8 AM. 55 Misty
Rain

50

July 1817

- 7 Mon. Ther at 8½ AM. 54.
[8 missing]
- 9 Wed Ther at 9 AM. 59. Dry
- 10 Thur 8 AM. 60 Slight
Rain in the Evening
- 11 Fri. 8 AM. 55. Some
Rain in the Morning
Campanula patula Fl.
It requires but little experience
to know, that when esteem be-
-gins to decline, all that is
valuable in friendship is
lost.

Duppa Life of Michael

Angelo p.38.

To be a good Man is all that
the good desire of others; but
to be great, is what each de-
-sires

51

sires for himself; unfortunate
-ly in the Political Aeconomy
of States, to combine these
qualities is difficult, and of-
ten impossible, since Men,

by common consent, separate
virtue from Talents and
bestow the highest praise
on Triumphant power,
whatever be its aim or end.

p.59

With gold in one hand and
the scourge in the other,
the most discordant parts
of a state may be kept together;
and those who surround a
throne and enjoy the benefit
of making a concentric circle,
will be at once its safeguard,
and support, but this support in times of prospe
rity,

52

rity, which is enough for all the
purposes of Government, is
feeble, and inefficient on
the eve of its dissolution. When
benefits decline murmurs
arise, and the mass of the
people, awed, or persuaded
into silence, then suf
-fered to exercise their powers,
and level that authority
to the ground, by which
alone they were controlled.

p.85

It was a favourite observation
of his, that learning elevated
the lowest orders of Society,
Stamped the highest value
on Nobility, and to Princes
was the most Splendid Gem
in the Diadem of Sovereign

-ty.

53

He (Michael Angelo) established it as a principle, that to live in credit was enough, if life was virtuously and honourably employed for the good of others, and the benefit of posterity; and this laid up the most profitable treasure for his old age, and calculated upon its best resources; for he whose wealth serves only to enrich himself, is insulated as life declines, or surrounded by dependents, none of whom wish the continuance of his being; but he who has cultivated his mind with useful knowledge, and devoted himself to the practice of Virtue makes all nature interested in the length of his days

p.175

54

July 1817

- 12 Sat. Ther at 8 AM. 59 Some
Showers pretty heavy
[13 missing]
- 14 Mon Ther at 8 AM 58.
- 15 Tues Ther, Heavy
Rain in the Night. A few
drops in the evening
- 16 Wed Ther, at 8 AM. 57. Dry

- 17 Thur 8 AM. 58. Dry
 18 8½ 53. Dry
 19 Sat. Ther at 9 AM. 57. Showers
Achillea Millifolium Fl.
 [20-22 missing]
 23 Wed 9 AM. 60 Showers
 Observed Sparrows busy eating
 Dock seed
 [24 missing]
 25 Fri. 8 AM. 59 Dry
 26 Sat. 9 AM 62 Thunder
 and Heavy Showers
 27 Sun 9 AM. 58. Thunder
 and heavy Showers

55

- 28 Mon Ther at 8½ AM. 55 Heavy
 Showers
 29 Tues 8 AM. 55. Some
 Showers
Gladiolus Cardinalis F
 30 Wed Ther, at 8 AM. 57 Thunder
 and heavy Showers
Lysimachia ephemerum F
 31 Thur 8 AM. 54 Showers

August

- 1 Fri Shower in the Evening
 Went to Carrickfergus Assi
 zes to attend, and Traverse
 for damages done to my
 farm and others by the
 New Road from Lisburn
 to Belfast
 2 A Shower at Night.
 Returned from Carrickfergus

56

August 1817

3 Sun Ther at 9 AM. 56. Showers
 4 Mon 9 AM. 57 Some
 Slight Showers before noon
 5 Tues 8 AM. 58 Fine
 6 Wed 9 AM 59 Fine
 7 Thur 8 AM 56½ Shower
 in the Evening
 Went into Belfast and atten-
 -ded the opening of the [blank] Session
 of the Historical Society by Dr.
 Drennan Who in a very inter-
 -esting and beautiful
 address pointed out the effects
 of knowledge in extending the
 power of Man checking the Malignant
 passions, and in presenting to
 the Philanthropist cheering
 hopes of the future happiness
 of Mankind.

The

57

August 1817
 The debate which afterwards
 took place On the Question Whe-
 -ther it was the corruption of the
 Court, or the spirit of Philosophy
 that tended most to produce the
 French revolution. Was carried
 on with great spirit, and a
 great variety of arguments high-
 -ly interesting were aduced on
 both sides, so that the time
 allotted for the debate expi-
 -red, before the subject was ex-
 -hausted, and many arguments
 remained for a future evening
 My opinion was, that it is

a subject highly deserving
the attention of Mankind,
and I scarcely know any one
in which the interest of Indi
viduals, and of Society, is more
intimately concerned. Nor one,
on which a greater variation
of opinion will be found to
prevail

58

August 1817
prevail. I conceive however,
that there is no instance in
the Records of the World, of a
Revolution having taken place,
without the Government first
having made inroads on the
Liberties of the Community.
Nor an instance, of the people
disturbing the course of Govern
-ment, without having first
found themselves aggrieved,
and suffering injury from
misrule. Nor is there any
reason to conclude, from what
we have hitherto observed of
the propensities of Man, that
a just government which en
-deavours to promote the hap
-piness of the community
will ever be subject to revo
-lution. For the very same
pro-

59

propensity, that of enjoying
happiness, at one time
holds back a man from

engaging in the fatigue
 and trouble of warfare,
 and at another time,
 in the hopes of enjoying
 that happiness, and those
 pleasures which he has,
 or is likely to be deprived
 of, to stand forward at the
 risk of his life, and
 submit for a time to
 the deprivation necessari
 -ly attendant on War, cast
 aside every feeling of bene
 -volence, and view unmov
 -ed every variety of human

Misery

60

[This page contains a receipt and a pressed leaf]

19 July 1805

Bought of James McAdam.

IRONMONGER, No. 69 High Street

1 patent Scythe & Hone	8	1½
1 Rifu for		6½
1 Hou		<u>4</u>
	9	0

[Signed] ??P Joshua McAdam

61

August 1817

[Repeat of pdf 58]

62

[Repeat of pdf 59]

63

August 1817

Misery. It may fairly be asserted
 therefore, that it is only from
 the abuse of power, that an
 opposition to an established sys

-tem of Government can arise,
and that while those who are
entrusted with the affairs of the
state, conduct them, according
to the principles of Equity, they
have no opposition to fear, either
from the Enthusiasm of the
Philanthropic Philosopher, or
the Restless spirit of the Dema
-gogue.

The Astronomer Baily, the Ma
-thematician Carnot, and the
Naturalists Broussonet, La
Cepede, and Desfontaines would
for ever have pursued their pea
-ceful Studies, had not their
attention been directed from
their more pleasurable pur
suits

64

August 1817
-suits, by the Acts of the French
Government, and necessitated them
to stand forth in defence of those
principles, of Liberty,
impressed by the Deity, on the
hearts of all Men, whether they
are arranged among Philosophers
or illiterate peasants.
Despots may overturn Despots,
and one desperate Villain may
raise himself by overturning
another, but in this neither
the hearts or minds of the peo-
-ple can or should be concerned.
I allow to philosophy a considera
-ble portion of influence, but it could

never have produced the French
Revolution, had not the corrup-
-tion of the Court, and the inroads of
of the Government on the Na-
-tural rights of the People pre-
-pared the Public mind. I ac-
-knowledge it was the thinking
men of the nation, who first
told

65

August 1817
told the multitude, what were their
Rights, what were their wrongs,
and how they might relieve
themselves.
Tyrants in every age have rea-
-son to dread the advancement
of knowledge, for when Man once
begins to think, he naturally
turns his attention to his own
condition, and that principle,
implanted in the breast
of every animated being, which
urges him to pursue pleasure and
shun pain prompts him to
resist their mandates. Napo-
leon was but a young Tyrant
an unwise Despot, or he would
never have endeavoured to
cultivate the mind of France,
by founding schools and
encouraging the ex-
-tension of knowledge.

In

66

August 1817
In despotic Governments al

-though the Sciences, the
Arts, and Literature may
flourish, still these acquire
-ments are confined within
a narrow circle, for in such
Governments, there is a con-
-stant tendency towards the
reduction of the community
into two Classes, marked by
exact boundaries, the Nobility
and the Slaves, the Know-
-ing and the ignorant, the
consumers and the workmen
and from this complete and
distinct Classification of the
Population, arose those
evils, which have covered with
clouds, and gloom, the Sun
of Liberty and happiness
that

67

August 1817
that for a while unriveted
the fetters of the Slave, and
gave an impulse to the Hu-
-man mind, which al-
-though the brazen Thunders
of combined despots, may for
a time have checked, must
ultimately rouse the energetic
arms of the people, until
they trample under foot at
once both the Usurper, his
Sceptre, and his Throne
It was this distinct Classifi-
-cation, this concentration of
Knowledge, which has preven

-ted the people of France, and
Mankind from deriving those
advantages from their Revolu-
-tion which was expected, the
thoughtless the ignorant mul-
-titude, were ever ready to lend
their power to that ambitious
ad-

68

August 1817

adventurer in pursuit of power,
who could with animating spee-
-ches, directed immediately to
there Jealous fears of thraldom,
rouse their impetuous passions,
and direct them against
best friends.

It was the ignorance of the people, that
made them an unwieldy mass
incapable of being directed to their
best interest, and ever liable to
change, enrolling themselves un-
-der one Master, then under ano-
-ther, now fighting ardently under
the Republican banner, then with
equal ardour
was pursuing their unfortunate
course, while the Imperial Eagle
spread his hitherto triumphant
wings to the Northern gales, and
it is now, that same ignorance
which renders them, the
willing

69

August 1817

willing tools of a selfish and bigoted
Priesthood.

It is knowledge alone which distinguishes Man from his fellow mortals, It is knowledge which raises Man towards his Creator. It is knowledge which enables Man to turn the powers of nature to his use. It is Knowledge which tells Man how to form a true estimate of himself, and leads him to understand his true interest. It is upon the foundation of knowledge that the Philanthropist must hail of his Political Temples For vain is the attempt of the Philosopher to rear a structure, which will stand the first blast of adversity, where ignorance, and its

ac

70

August 1817
accompaniment vice are predominant among the people, and it is as vain, for a Government to think that it can stand when it is raised on a corrupted base.
From the French Revolution Governments may learn, the important lesson, that Men whatever their desire of any use, what ever their apathy, will be at length aroused to break the Chain that Galls them,

and the Philanthropist may
learn, that however flattering
the prospects may appear,
for the future amelioration
of the distresses of a Nation,
without the mind of the
people,

71

August 1817
people, have been prepared by
the entrance of the knowledge
of their social duties, they
must ever be dazzled by
the dazzling glare of Liberty
and the ever liable to run
into excesses, which it will
be in vain for the Benevo-
-lent Philosopher to attempt
to control

72

- August 1817
- 8 Fri Showers
Tigridia pavonia Fl.
- 9 Sat Ther, at 8 AM. 56. Showers
in the Morning dry afternoon
Sedum
Catherine today brought
me two *Limax maxima*
Grey Snails connected to-
-gether as represented in
my figure drawn 13th. July 1813
which she found suspended
from the branch of a Goose
-berry bush
- 10 Sun. Ther, at 8 AM. 51. Some
Showers during the forenoon
Oenothera fruticosa Fl

- 11 Mon. 8 AM. 54. Wet
Most part of the Day
- 12 Tues Fine day
- 13 Wed Ther, at 8 AM 54 Fine

73

September 1817

- 1 Mon Ther, at 8 AM. 54 Dry
- 2 Tues Dry
- 3 Wed. Ther, at 8 AM. 61. Misty
Rain in the Morning Fine day
- 4 Thur 8 AM. 57½ Slight
Rain in the Morning
- 5 Fri. 8 AM. 52. Dry
All the Hay in Cocks
- 6 Sat 9 AM 56. Slight
Shower in the Morning
- 7 Sun 9 AM. 59. Fine
- 8 Mon 8 AM. 54. Fine
- 9 Tues 8 AM 52 Fine
- 10 Wed 8 AM. 61 Fine
- 11 8 AM 54 A shower
during the Night
- 12 Fri. 8 AM 58. Misty
Rain

74

- 13 Sat. Ther, at 9 AM. 42. Fine
Went along the Canal from
Aghalee to Lough Neagh
found in the drains near
Lough Neagh
Hydrochoeris Morsu Ranoe
Sagettaria sagettifolia
Sparganium simplex
Shearing the Oats which were
shooting the 4th of July
- 14 Sun Fine
- 15 Mon. Ther, at 9 AM. 57 Dry

16 Tues 8 AM 61. Fine
Wood Lark singing.
Swallows in Great Flocks
on house tops

75

17 Wed. Ther, at 8 AM. 60 Fine

18 Thur. Ther, at 8½ 59 Fine
Chelone obliqua Fl.
Saw a single individual
of the *Certhia familiaris*
creeping on the stem of an
Alder tree in the Garden
its movements truly merit
the name of Creeper as it
appeared more like
the motion of a Mouse
than of a Bird

19 Fri. Ther, at 8 AM. 52. Fine

20 Fine

21 Sun Ther, at 8 AM. 53 Fine

22 Mon Fine

Saw another *Certhia familia*
-ris at Mr Leggs

76

September 1817

23 Tues Ther, at 8 AM. 54 Fine

24 Wed Ther, at 8 AM. 57 A Heavy
Shower in the Afternoon

25 Thur Ther, at 8 AM. 56 Showery
and Windy, Stormy at Night
Wheat which shot July 2 a Shearing

26 Frid. Showery and Windy, Stormy
at Night

27 Sat. Windy with Showers
Went to Soldierstown and
Aghalee to examine the
Canal

Found at the Friars Glen Reservoir

Helix paludosa

tentaculata

Turbo fontinalis

Adhering to the cases of the Cad

worm of Larvae of the *Phrygania*

Also a Fragment of the *Mytilus*

Cygneus from whence it appears

that

77

September 1817

that this is an inhabitant of

this now artificial Lake. But

how it became so, is not easily

determined, and the only admis-

-sible conjecture is that Spawn

all young ones of this *Mytilus*

may have been conveyed by

Waterfowl, but how did they

survive in their passage through

the intestines of the Duck or

other fowl is a Question to

be yet decided.

On the shore I found abundance

of *Scirpus acicularis*, *Hydrocotyle*

inundata, *Sparganium simplex*,

Sagittaria sagittifolia.

On a bank of Marred thrown out

of the Race at Hogs Lock above

Lisburn I found specimens

of the *Tellina rivalis* Lin Trans

3.44.t.13.p.37.38.

[fragment of pdf 75 seen through a tear:]

other

Mr Leggs

78

September 1817

28 Sun Windy
with slight Showers

29 Mon. Ther, at 8 AM. 45. Fine
day with only a slight Show
-er or two

30 Tues 9 AM. 43. Fine

October

1 Wed 8 AM. 39 Some
Slight Showers
Some Swallows here yet

2 Thur 8 AM. 41½ Some
Slight Showers

3 Fri 8 AM. 43 Slight
Showers at the Evening

4 Sat 8 AM. 45. Fine

5 Sun 8 AM. 46 Fine

6 Mon 9 AM. 48. Fine
Went up the Canal near the
4th Lock found *Seraluta Acan*
-thoides

79

7 Tues. Ther, at 8 AM. 48 Fine
Harvest all home

8 Wed 8 AM 48 Fine

9 Thur 8 AM 49 Fine

10 Fri 44 Fine

11 Sat 41 Fine

12 Sun 38 Fine

13 Mon Fine

Received from Mr Montgomery
Colchicum Autumnale alba

14 Tues 8½ AM 47 Fine
A few drops of Rain at 9PM
Redwing come

15 Wed 8½ 47 Fine

16 Thur 8 46. Fine

17 Fri 7³/₄ 38 Fine
 18 Sat 7¹/₂ 32 Fine
 19 Sun 9 46 Fine

Found a Specimen of the
Phaloema Seeana floating.
 on the surface of the ba-
 -thing pond

80

October 1817

20 Mon Ther at 8 AM. 44 Fine
 Found at Mr Burdens Green
 creeping on a Wall *Cimex*
 Saw a flock of *Tringa pluvialis* in the
 Bog Meadows

21 Tues 45 Fine
 a Shower at Night

22 Wed 8 AM 46 Some
 Slight Showers

23 Thur 8 AM. 43. Fine

24 Fri 8 AM 44 Fine
 With a heavy shower at Night

25 Sat. 8 AM 43 Fine
 Shower at Night

A Great Flock of Redwings

26 Sun 43. Fine
 Fieldfares & a Woodcock

27 Mon 9 AM 49 Rain and
 Wind during the forenoon

28 Tues 8 AM 35 Dry

29 Wed 8 AM. 36 Dry Show
 ers at Night

30 Thur 8 44 Showers

31 Fri - Heavy hail and Rain
 Showers Whitening the Moun
 tain tops

81

November 1817

- 1 Sat Ther at 8 AM. 37 Sho
Fine mild day Snow on the
Mountain tops gone off
- 2 Sun Ther at 8½ AM. 54 Slight
Shower
- 3 Mon 8 AM 44
- 4 Tues 8 AM 54 Fine
- 5 Wed 8 54
- 6
- 7 Very Wet
- 8 Sat Ther at 8 AM 50 A large
Flood in the Meadows. Show
ers
- 9 Sun 9 AM. 44. Dry
- 10 Mon 8½ AM. 50 Dry
- 11 Tues 9 AM 46 Heavy Sho
- 12 Wed 8¾ 48 Wet day
- 13 Thur 8 AM 34 Dry
- 14 Fri 8 AM 44 Dry

82

November 1817

- 15 Sat. Ther at 9 AM. 49 Wet Morn
- 16 Sun Ther at 9 AM. 45
- 17 Mon 10½ AM 56 Heavy
Rain during the Night dry
day
- 18 Tues Dry day
- 19 Wed 9AM. 43. Fine
- 20 Thur 8 AM 49 Fine
- 21 Fri. 8 AM 47. Fine
- 22 Sat 8 AM 45 Fine
- 23 Sun 9 AM 44 Dry
- 24 Mon 9 AM 41 Showers
- 25 Tues 8 AM 35 Showers
- 26 Wed 8 AM 48 Wet Morn
- 27 Thur 8 49 Dry
- 28 Fri 9 41. Fine

29 Sat 8½ 47 Fine
30 Found in the Stomach of a Codfish
a Nondiscript *Ascaris* See *A. Gadi*
Sun. 9 AM 45 Dry

83

December 1817

27 Sat. Ther, at 8½ AM. 34½ Heavy
Rain
28 Sun Ther at 8½ AM 35. Thawing
without any fall
29 Mon Ther at 9 AM. 32. Thawing
Ice 2 inches thick
Watered a Myrtle Broad leaved
Double Flowering with Salt
and Water
30 Tues 8 AM 30 Bright
31 Wed 8½ 31 Bright

84

[Page obscured by note labelled M? Tennent Esq]

85

[Blank]

86

Galathea spinegra Found in the
belly of a Codfish 19 Novr. 1818
Rheum digynum Wal. Fl. Lap
Utricularia July 5 1816
Fucus July 5
Marchantia hemispherica July 16
Polygonum aviculare smooth stem
rough seeds & *P. maritima*
July 27, 1815
Andromeda polifolia Et. } May 11
Media } 1814
angus }
Saxifraga platypetala May 29
1814
Salicornia radicans 10 July 1814

Giants Causeway. Augt. 15 1814

Utricularia intermedia Found in
the Bog at Dundermot

Sepr. 21. 1814

Hieracium

87

[Blank]

88

Lumbricus Echiurus. Pal Spic Zo. 10

p.3 r.uf.1-5

Thalassema p.8 f 1-6

Oxyurus Pal. His Zo. 146-7
r 11.p.7-8

Planaria quadrangularis. 10 p 20 t.1

p.12 a c Spi Zool

bicornis Spi Zoo 10. 23 t.1./14
a b.

fusca Spi. 10 21. t1. /13.a b

Linax lanceolatus Spi 10.19 t.1./11

Amphitrite Auricoma Mis. 1 17 t.9./1 13

Ascidia Mammilaris Spi. 10 24. t1. /15

globularis Pall nov Act Petro
2.247.t.7./ 39. 40

Actinia Effoeta Bast. of. sub 1.1.14./2

Holothuria squamata Pal. nov act
pet 2.225.t.7./34-37

Clio Boscates Pal Spi 10. t.1 /18.19

Medusa pileus Bast op sub.3.126 t.14
/6.7

pondosa Spi.10.29.t.2 ./ 1-3

Asterias seposita Bor Com 259.t.25 ./18
Linn Stat Mar t.4 ./5-7
t.9./16.t.30 ./ 62

glacialis Linn t.38.t.39./69

aranciaca Linn t.4./14.t 5 / 6
t.8./12.

aculeata Linnh t.26./42.t.40./71

<i>pentaphylla</i>	Bor Com t.25./.	24
<i>varia</i>	t.25./.	21
<i>aculearis</i>		19
<i>hastata</i>		22
<i>fissa</i>		20

89

<i>Asterias nigra</i>	Borl.t.25./23	
<i>Echinus Basteri</i>	Lesk ap Klein	
	t.43./3-5. t.49./.	12
	Bast op sub.3.112.t.11	
	/.	1.2
	Beau 1712.177.t.8	
	Gaul Test. t.107/A	
<i>hemispherica</i>	Klein ap	
	Lesk t.2 E t.40./7	
	Gaul t.107 /.	M
<i>angulosa</i>	Klein Ech t.2	
	F t.42./1 t.3.AB	
<i>placenta</i>	Gaul 210/.G	
<i>purpureus</i>	Klein ech ed	
	Lesk t.43./3.5.t.45 ./.	5
<i>Medusa pileus</i>	Pinshop. subs 3.126.	
	t.14./6.7	
<i>hysoulla</i>2.62.t.7 ./.	5
<i>Aequorea</i>55.t5./.	2.3
<i>Aurita</i>	t.14./.	3.7.82
<i>Noctiluca</i>	Forsk Aegyp 109.t.24	
<i>fusca</i>	Borl Com t.25 ./.	7.8
<i>purpurea</i>	25./.	9-10
<i>tuberculata</i>	25./.	11-12
<i>undulata</i>	25 ./.	15
<i>lunulata</i>	/	16-17
<i>Utriculus</i>	Jouridde Phy nov 1787	
<i>Froncosa</i>	Pal spic 1c.t 2./.	13 t.2 ./.
		1.3

90

Pardanthus
Astragalus Campestris

Uralensis
Hyppoglottis
Saponaria Ocymoides
Arnica montana
Zizania aquatica
Primula villosa
Ornata
Arenaria ciliata
Orobus varius
Silene acaulis
amoena
fruticosa
saxatilis
fimbriata
chlorofolia
alpestris
Stellaria Cerastoides
Scapigera
Arenaria tetraquetra
multicaulis
montana
saxatilis
Juniperina
lancifolia
striata
austriaca
grandiflora
Cherleria sedoides
Cotyledon lutea
Sedum hispanicum
Arundo donax [Reed ? Mr Win CN Aug 1818]
[Written in pencil in a second column:]
St Helena
Pine Alba
Gentiana cruciata
Hypericum crispum
Uvularia perfoliata

Marica
Dianthus alpinus
Phlox pyramidalis

91

Cerastium alpinum
latifolium
Agrimonia odorata
repens
Agrimonoides
Anemone patens
vernalis
pratensis
alpina
palmata
Siberica
Baldensis
Virginiana
Pensylvanica
Dichotoma
trifolia
ranunculoides
narcissiflora
thalictroides
Ranunculus Parnassifolius
Scutellaria minor
Iris halophila
Verna
lucida
aphylla
Adoxa Moschatellina
Antirrhinum Heloria

92

Ornithogalum Pyrenaeicum
Veronica Denventia
Myosotis rupicola
Aretia Vitaliana
Androsace villosa

lactea

carnea

Cortusa Matthiola

Hypericum Virginicum

barbatum

Orchis pyramidalis

Cistus polifolius

Erodium maritimum

Cyclamen hederifolia

Ageratum coelestinum Bot Mag

1730

Echium rubrum

Artemesia maritima

Pisum maritimum

Oxalis tetraphylla Mr Un

Hydesarum obscurum Mr Un

[Writing in faint pencil] *Convolvulus Bryonf* [?] WM

93

[Writing in faint pencil]

94

[Creased and folded statistical note:]

The Consumption of Landed produce by horses
may be estimated as follows

[See original note to obtain full transcription]

95

[Very faint pencil entries covering the dates 8-23 March]

96

January 1816

1 Mon Ther, at 8½ AM. 46 pleasant
dark day

2 Tues Ther, at 8 AM. 43. Soft Rain
most of the day

Heard from Mr McScimmon
that there were a number
of the *Fringilla Montifringilla*
seen in Flocks about
Carrickfergus during the

Snow

- 3 Wed Ther, at 9 AM. 33
4 Thur Wet at Night
5 Fri. 8 AM 40. Some Rain
at Night
6 Sat. 9 AM. 42 Dark
Stormy at Night
7 Sun Ther, at 10 AM 39 Moun
tains to the Falls road
White. Pleasant day

97

January 1816

- 8 Mon. Ther, at 9 AM. 47 small
but heavy Rain
9 Tues. 8 AM 43 Fine
till 2 PM. when very heavy
Rain
10 Wed 9 AM 42. Some
Rain, Very stormy wet Night
11 Thur 8 AM 42 Very
heavy Rain with great squalls
through the day and Night
12 Fri. 8 AM. 35 Heavy
Rain in the middle of the
day
13 Sat 9 AM. 34 Some
slight Showers
14 9 AM. 37 Fine
mild day
15 Mon. 9 AM. 40 some
Rain during the day very
heavy at Night

98

January 1816

- 16 Tues Ther at 8 AM 33 A Snow
Shower in the Morning, Fine
day. Heavy Rain and great

Storm at Night

- 17 Wed. Ther, at 9 AM. 34 Snow
Showers
- 18 Thur Ther at 9 AM. 31
- 19 Fri. Snow
Lying on the Fields about
an inch deep
- 20 Sat, 9 AM 31. Wet
afternoon
- 21 Sun. 9 AM 34 Snow
falling all day
Great Flood
- 22 Mon 9 AM. 38 Dark
day
- 23 Tues Pleasant
day
- 24 Wed 38

99

January 1816

- 25 Thur Dark
day with a shower
- 26 Fri. Ther at 8 AM. 36. Dark
day with some light Rain
- 27 Sat Ther at 8 AM. 35 Fine
day
- 28 Sun 9 AM 34 Fine
- 29 Mon 9 AM 35½ Fine
- 30 Tues. 8 AM 36. Dry
cold day
- 31 Wed Fine
Snow lying on the Moun-
-tain and down the Falls
Road fallen during the
Night

100

February 1816

- 1 Thur Ther at 8 AM. 37 Misty

- Rain
- 2 Fri. 37 Wet day
- 3 Sat Ther 37
- 4 Sun Dry day
- 5 Mon Ther, at 8½ AM 37. Dry
dark day
- 6 Tues 8 AM 32 NE
Wind and Cold dark day
- 7 Wed 9 AM 29. Cold
dark dry day
- 8 Thur 9 AM. 21 Fine
Sunny day
- 9 Fri. 9 AM 30 Small
dry snow falling most of the
day
- 10 Sat 9 AM 33 Pleasant

101

February 1816

- 11 Sun Ther, at 9 AM. 31. Fine
- 12 Mon Ther, at 9 AM. 28 Fine
- 13 8 AM. 38 Fine
- 14 8 AM 39. Slight
- Rain
- 15 Thur 8 AM 40 Dry
Windy day
- 16 Fri. 8 AM 43. Very
heavy Showers
- 17 Sat 8 AM 38 Snow
halfway down the hills
Crocus biflorus in Flower
- 18 Sun 9 AM. 35 Windy
sometimes.
About 9 AM. there was a very
remarkable noise at the
Mountain as loud as con
-siderably loud Thunder

a very dense cloud covered
the top of the Mountain
from which there appeared
to be detached masses that
proceeded to Malone, and
passed over my head with
very great rapidity, all was
calm and unmoved below
when I first observed the
noise, in about $\frac{1}{4}$ of an hour
a squall rushed along and
then again all was still
again there was
frequent gusts succeeded by
calm, at night very dense
clouds appeared over the
C. Down hills, and there
was slight rain succeeded
during the night

February 1816

19 Mon Ther, at 8 AM. 42 pleasant
20 Tues 8 AM. 45½ Some
Misty rain

Leucojum Vernum

Crocus } *stellaris* Hort Tran
} *lucianus* Hor Kew

Flowering

21 Wed 8 AM. 34 Fine
Went with a Dr Hamil
from Astracan to visit
Messr. Grimshaws Printing
Work who showed us some
curious Chemical experiments
and gave me a plant
of *Rubia tinctoria*

Used *Calluna Vulgaris* to dye
yellow when Quercitron was high priced

22 Thur Ther, at 9 AM 49 Fine

23 Fri. 8 AM. 37. A
Thick wet Mist

104

February 1816

24 Sat Ther, at 8 AM. 47. Some
Rain Very stormy through the
Night

25 Sun Ther at 9 AM. 41 some
Showers

Single Blue *Hepatica* Fl

26 Mon 8 AM. 34. Dry
pleasant day

Ellen Robert Mary Matilda &
Catherine has the Measles

27 Tues 8 AM. 47 Windy
dry day

28 Wed 8 AM. 33 Fine

29 Thur 8 35 Fine

March

1 Fri. Ther at 8AM. 33 Fine

2 Sat Ther at 9 AM. 40.