

## Transcription of John Templeton's Journals

The John Templeton archive is held by the Ulster Museum. The Museum copied the Templeton Journals in half-yearly segments on microfiche (released in PDF) and have made them available to the Belfast Naturalist Field Club to facilitate a project to transcribe these remarkable handwritten Journals into a digital format and make them available to a wider readership.

The result is an accurate, uncorrected and unedited line by line transcription of the pdf copy of the Journals, preserving Templeton's original spelling, erratic punctuation, insertions and layout. The number in bold on the left relates to the Ulster Museum's PDF page number so it is easy to navigate back to the original text. The next number is the date given in the Journal. Occasionally Templeton numbers his Journal pages and where present these are given on the right. Editorial comment is in square brackets, Latin names are in italiics. A fully edited version with footnotes and summary appendices is in preparation.

### **Templeton Journal 1808 Fiche No 1 1 January to 17 August**

#### **Initial transcription**

118 pages, 13006 words

PDF	DAY	MONTH/YEAR	JOURNAL PAGE
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**2**

(1)

January 1808

1 Slight Frost rain and Wind at  
night

2 Slight Frost and a Slight hail  
shower

That Man was not intended by nature for purposes base and ignoble, none will deny; and, if arguments were wanted, they might be drawn from that eternal inquiry after whatever is grand dignified, or exalted; and, finally, after a state superior to our present terrestrial one. For it is not too much to assert, that we approach the Divinity in nothing so much as

in Wisdom. Hence, as the arts are  
connected with Wisdom, as men be-  
-come careless of their culture, they  
become equally incapable of ful-  
-filling the duties of social beings.  
For knowledge is what humanizes

Mankind

3

(2)

January 1808

Mankind; reason inclines them to  
mildness, but ignorance generates  
prejudice, which eradicates every  
tender feeling

Tillocks Phil. Mag 14. 219

— Volumes of verbal description  
will never convey so true and Idea of  
a thing as the most slight sketch.

Hence the source of much of our know-  
-ledge of Antiquity, of which language  
could convey no adequate Idea.

To be able on the spot to make a  
scetch of a fine building beautiful  
prospect, or any curious production  
of Nature of art, is not only a very  
desirable and elegant accomplish-  
-ment, but in the highest degree enter-  
-taining. To treasure up whatever  
may occur in our travels, either for  
future use or to illustrate conversa-

-tion, to represent the deeds of the  
great

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(3)

January 1808

great of former ages, to preserve the  
features of our most valued friends,  
has made this art not only one of  
the highest embellishments of  
our nature, but the delight of  
all ages. The greatest writers  
have united to praise, and empires  
to encourage it. It has been in  
the highest degree morally useful;  
and, where it has flourished, con-  
ferred honour on the country.

In fact society could not sustain  
a more severe loss than in being  
deprived of it; as many comforts,  
and all those elegancies that  
adorne the present state of our  
being, must depart with it.

What has been the fate of those  
people whose lawgivers forbid the  
practice of one part of the ele-  
-gant arts? It appears they well

knew

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(4)

January 1808

knew, that where art resides, wisdom will ever be of the party; and dreaded the downfall of opinions built on a false base.

Wisdom is power, and power is what preserves a nation: hence those who shut the door against knowledge are wilfully seeking their own destruction: such is precisely the present state of the Turkish empire

Ye Gods! what Justice rules the ball!

Freedom and arts together fall:

Fools grant whate'er ambition craves;

And Man once ignorant are slaves.

Pope

What was the fate of Crete, that was so renowned for her wisdom, valour, and laws? How did she sink under the tyranny and oppression of Rome? With their freedom departed their arts, their Sci-

-ences

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(5)

January 1808

-ences, their valour, and their virtues.

With the loss of Liberty we lose all the ardour nature has furnished us with to strengthen and support

the flame of genius and the ardent  
glow of valour: without it we be-  
-come destitute of vigorous resolu-  
-tion, and sink below the natural  
virtue and dignity of our Species

Tillocks Phil Mag. 14. 221

On the Ore Uranium

C. Sage ——Thinking, like all those  
who possess any elevation of mind, &  
a Philosophical spirit in cultivating  
the Sciences, that it is more proper to  
consecrate the names of men who  
have enriched them by their disco-  
-veries, than those of the fabulous  
deities, and greatmen who resemble  
these deities in a great many points,  
C. Sage wished that the name of Ura-  
-nium

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(6)

January 1808

-nium given to this Metal by the  
Germans, who called the Planet dis-  
-covered by Herschel Uranus, might  
be changed. In applauding these  
motives, it will perhaps be found  
that the names of celebrated Men  
ought to be assigned to those things  
which have been the particular  
objects of their attention, and that

Klaproth, who discovered this metal has a greater right than any other to distinguish it by his name.

The French seem constantly to agree in giving the name of Herschel to the Planet which he brought from that obscurity under which it had been concealed for so many ages; and, by the effect of the same sentiment of justice, the names of Piazzi and Olbers will undoubtedly remain to those discovered by these astronomers.

Zoo-

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(7)

January 1808

Zoologists and Botanists now consecrate to their masters and friends the Genera and species which they discover; and Mineralogists no doubt will soon follow their example.

The name of Scheele, so justly celebrated, has already been substituted for that of Tungsten.

Tillock Phil Mag. 14. p. 276

Although a Characteristic Generic and specific name would be most desirable yet as after the discovery of numerous species, a new arrangement of the spe

-cies and new characters are often a-  
-dopted, a continual fluctuation  
in the names will be the consequence  
it seems better to distinguish the  
species by permanent names, un-  
connected with either the Character  
or habitation, this last is the most  
liable to objection of any, for few plants  
are confined by Geographical bounda  
-ries

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(8)

January 1808

-ries, or other situations, therefore *Gal-*  
*-lica, Germanica, hibernica, petroea*  
*alpina* should be laid aside, or  
rather never made use of

3 Showers of Snow

4 Frosty Morning Rainy Afternoon

5 Slight Frost Rainy forenoon

Beauvois on the Seeds of *Mosses* and *Fun*

*gi* - he contends that the seed is con

-tained within the Gills of *Agarics*

&c and considers the seed in the Gills

or points of *Hydnii* as the Pollen and

that it is at the moment of explosion

and consequently after they are fully

evolved that he believes the seeds of

the *Lycopeden*, like those of *Mosses*

are penndated [=pedated].

Mr. de Candolle treats of Parasitical  
Mushrooms which are evolved under the  
epidermis of vegetables, and which  
frequently produce fatal diseases among  
several

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(9)

January 1808

several usefull plants, the rust and smut  
which destroys oats and the caries whi-  
-ch vitiates Wheat, are probably attri-  
butable to this cause. It has hither-  
-to been supposed, that these Mush-  
-rooms were introduced by the pores  
of the Epidermis, but as coloured li-  
-quors do not pass through these  
pores without difficulty, and as  
simple contact has been found  
insufficient to impart these dis-  
-eases to a healthy plant M. de  
C- is of opinion that their germs  
are introduced by the roots along with  
the nutritive juices which support  
the vegetable, and that they circulate  
through the vessels till they reach  
those places best calculated for their  
development He compares them  
in this respect to intestinal  
worms, which can only subsist in

the interior of the body of Man

and

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(10)

January 1808

and other Animals. From this theory and from the observation that each species of parasitical mushroom can only propagate itself in plants of the same family, he deduces rules, from which the agriculturalist may derive great advantage in stopping this kind of contagion —————-Mon. Mag 24. p 376

In a Memoir upon Marine Algae, he demonstrates that these plants are not furnished with real roots: that no trace whatever of vessels is discoverable in any part of their structure; that they absorb humidity by their whole surface; and that they liberate oxygen gas, when exposed to light in proportion to their green colour. He also asserts, that the small grains hitherto regarded as seeds are only capsules, and contain grains much smaller, covered with a viscous matter, which fixes them in situations adapted for their

12

(11)

January 1808

their germination

See Monthly Magazine 24. p376

- 6 Mild Moist day without rain
- 7 Same
- 8 Pleasant Mild day without rain  
Great Blue titmouse singing
- 9 Misty Wet Morning  
Thrush singing
- 10 Barometer 30 - 39
- 11
- 12
- 13 At night came on to blow  
hard at W shifted towards the  
North
- 14 A great storm at North  
Ships driven from their an-  
-chors - became very cold about  
10 AM Wind fell off at ebb tide

**13**

(12)

January 1808

- 15 Hard frost and Ice half an inch  
thick, but a Mild pleasant day  
at 9 PM Ther - 25°
- 16 Snow on the Ground at 9 A.M  
Ther - 35
- 17 Frost but not severe road thawed  
in the Middle of the day frozen

at Night.

Heard from Mr Frank Rainy that

a Spoonbill had been killed at

Ballydrain Lake

18 Mild dry day

19 Wet day

20 Snow Showers Ther at 9 PM 23

21 Snow lying about 2 inches thick

Ther at 9 PM. 25

22 Frosty

23 Frosty

Received from Mr Mackay by

Mr Tennant

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(13)

January 1808

1 *Saxifraga*

From the Summit of Brandon

2 *cæspitosa* ?

3 *hirsuta*

4 *Geum*

5 *Umbrosa*

6 var *nova*

7 *adscendens*

8 *Silem acaulis*

9 *Churanthus sinnatus*

10 *Arenaria ciliata*

11 *Anthyllis Vulneraria* var 13.

With seed of *Bartsia viscosa*

*Centunculus minimus* &

*Draba incana*

- 24 Frost with slight snow Showers  
25 Frosty with heavy snow showers  
being engaged in removing a ve-  
-ry large thorn for Dr Crawford  
the water of the melting Snow  
by a Cold. Chart was frozen on my

15

(14)

January 1808

hat and Cloth into hard Ice

- 26 Hard frost with some snow show  
-ers  
27 Snow falling till about 1 AM then  
a rapid thaw commenced at Night  
began to blow a Storm towards Mor-  
-ning blew very hard  
28 Snow Showers hard gales during the  
night  
29 Snow showers  
30 Misty day especially in town  
I have often observed that while  
the whole country was clear the  
town was enveloped in Mist, and  
from accounts London and other great  
Cities, are darkened in proportion to  
their size, can the draught of air  
towards the centre of town be the  
cause of this or can it be owing to  
the affinity of Mist to Carbonic

16

(15)

January 1808

Gas which is always rising from col-  
-lections of putrifying matter in Cities  
and town an observation of Mr. Ten-  
-nants made in the Neighbourhood  
of Dublin seems to favour this last  
opinion, he observed that some mea-  
-dows which had been lately ma-  
-nured were covered with mist  
while the surrounding fields were  
clear of it

- 31 Mild day dry and tolerably Clear  
*Narcissus Psuedo Narcissus*  
an inch above ground

17

(16)

February 1808

- 1 Mild morning very wet afternoon &  
Night  
Snowdrops out of the Spatha
- 2 Slight Shower in the Morning a fine  
drying day  
Found a Microscopic insect like  
this its motion very quick sometimes  
revolving



- 3 Pleasant day with slight Frost in  
the Morning Stormy at night
- 4 The Same - Stormy at night  
Attended a Meeting of the Belfast  
Academic Institution at the Ex-  
-change room when after hearing  
the Report of the proceedings of  
the Committee the proprietors  
proprietors proceeded to the Elec-  
-tion. Vice presidents, Managers  
Secretary, Treasurer, Honory Visi-  
-tors and Ordinary Visitors, one

18

(17)

February 1808

of which I had the honour to be chosen

Received by Mr. Groves a bundle

of Plants from Mr. Underwood of

Glasnevin Garden

1	<i>Silene acaulis</i>	19	<i>Paeonia albiflora</i>
2	<i>Polemonium reptans</i>	20	<i>anomala</i>
3	<i>Adoxa Moschatellina</i>	21	<i>Arenaria ciliata</i>
4	<i>Draba airgoides</i>	22	<i>Poa</i> [2 runs?]

- 5     *Pyrus salicifolia*
- 6             *nivalis*
- 7     *Prunus pensylvanica*
- 8     *Ribes cynosbati*
- 9     — — *petræum*
- 10    — — *spicatum*
- 11    *Syringa chinensis*
- 12    *Asperula cynauchia*
- 13    *Convolvulus lineatus*
- 14    *Salix caprea mas*
- 15    — — *pistillaris*
- 16    *Cistus scabrosus*
- 17    — — *Lidon*
- 18    *Lychnis quadridentata*

5     A Pleasant mild day but Stormy at  
night

**19**

[Repeat of pdf 17: February 1808 (16)]

**20**

[Repeat of pdf 18: February 1808 (17)]

**21**

(18)

February 1808

- 6     Frosty Morning but pleasant day
- 7     Mild day Peacock got from Mr Clark  
dead.

- 8 Hard frost cold day Chaffinch sings
- 9 Hard frost a thin layer of Snow  
very pleasant day
- 10 Pleasant Clear frosty day
- 11 Frosty Morning great snow most part  
of the day
- 12 A very evenly layer of Snow  
7 or 8 inches deep Ther at 9 PM  
24
- 13 Hard frost and bright day Ther at 9  
P.M. 24.  
Hedge Sparrow and Chaffinch sing  
ing
- 14 Snowing all the fore part of the  
day, but the Thermometer gradu  
-ally rising and the thaw com-  
-mensed [?]
- 15 Snow going away Misty day
- 16 Mild pleasant day  
Great Blue titmouse singing

**22**

(19)

February 1808

- 17 Mild pleasant day Ther at 12. 47°  
Wren, Woodlark, trush and Chaffinch  
singing

*Heleoborus hyemalis* in Flower

- 18 Mild pleasant day
- 19 Hill showers pleasant, Misty at  
Night
- 20 Somewhat Misty but dry and plea  
-sant mild day *Erythronium Dens*  
*Canis* emerging.
- 21 Pleasant dark dry day
- 22 Very fine bright day.
- 23 Very fine day  
Whin chat and Stone Chat  
both here
- 24 Cold dark day  
Shovelling Wheat sown yesterday  
in the Oak tree field.  
That which was sown a few days before  
Christmas about 2 inches up,  
that which was sown about Old  
January scarcely up

**23**

(20)

February 1808

- 25 Cold dark day dry  
Hedge sparrow singing
- 26 Wry gentle rain several times  
during the day

27 Warm day gentle Showers  
*Hepatica* in flower buds of Cher  
ries and plums whitening  
Grafted *Pyrus salcifolia* on Quince  
Pear and Apple stock, also on  
pieces of roots, which I planted  
in a pot covering the cut parts  
with earth -  
Grafted *Pyrus nivalis* in the  
same manner -  
Also *Prunus pensylvanica* on  
*Prunus virginica* - and also  
one on a cutting of a root whi  
-ch I put in a pot - and trans-  
-fered with all the others in the  
pots into the greenhouse  
Prunus Pensylvanica all failed and all  
the Pears grafted on the roots  
All Failed

24

(21)

February 1808

28 Rain during the night, a warm  
Calm somewhat cloudy day  
The Barometer which had  
been very high at 30. 49 fell

a little last night.

Snow still lying at some ditch

backs

29 Pleasant Mild day had been

rain during the night

A Blackbird Whistling

Crocus *mæsianicus* some in Fl

Frogs spawn

**25**

(22)

March 1808

1 Pleasant mild day had been

rain in the night

Planted *Populus alba* & Alders

in the slipped part of the ditch

at the Rushy bog opposite Mr

Gills field.

2 Rain in the Morning about one

became a very fine day

Transplanted 2 Pineapple pippin

and a Pearmine Apple tree in

-to raised lumps in the Orchard

3 Pleasant warm day

Larch shows green at the buds

Frogs croaking in every ditch

this evening

- 4 Pleasant dry day  
5 Pleasant bright warm day

Ther at 12 56 —

Cut grafts of *Crataegus tormina*

-*lis* at Belvoir

Grafted

26

(23)

March 1808

grafted on the roots of *Prunus virgini*

-*aca* and *avium*, *Prunus pensylvani*

-*ca* - This method has been lately

described as very successful in

England in the Monthly review

for last month, it by raising

some of the roots out of the ground

inserting the graft and putting

them into the ground leaving 2 or

3 eyes only of the bud above ground

next season these may be raised

and become trees, by this means

one stock will serve for many

years as only some of the roots

will be taken - All Failed

*Erythronium Dens Canis*, *Taxus*

*Scilla bifolia* Flowering

6 Slight Frost but bright pleasant  
*Viola odorata* Flowering *Crocus*  
*vernus Neapolitanus* Flowering

7 Cool dry day

8

27

(24)

March 1808

8 Dry pleasant day but cool

Grafted *Prunus pendula* & Yellow  
berrried thorn.

9 Cool dry day wind N Easterly

10 Same

11 Same

12 Same

Received from Mr Harvey

*Cyclamen hederæfolium*

*Prinos glabra*

*Rhus elegans*

*Philadelphus*

*Calycanthus*

*Tamarisc germanica*

*gallica*

No. 30 *Pancreatium maritimum*

71 *Atragene Austriaca*

75 *Robinia Pygmaea*

- 76            *Spinosa*  
 80    *Liquidamberimberbe*  
 82    *Diospyrus Lotus*  
 83    *Daphne pontica*

88

28

(25)

March 1808

- 88    *Spiroea Ulmifolia*  
 89            *Thalictroides*  
 91    *Tilia microphylla*  
 92    ——— *pubescens*  
 93    ——— *alba*

from Mr Whitley

*Vaccinium crassifolium*

—————  
 —————

- 13    Cold day wind NE Ther at 9 PM  
 29½.
- 14    Ice on the pond which remain  
 -ed all day. Mild evening.  
 Cornelian Cherry Flowering and  
*Primula acaulis*
- 15    Cold dry day no sun
- 16    Dark cold day a few drops of Sleet  
 Transplanted a large *Buddlea*.

- 17 Dark cold dry day. Snow on  
the Mountain top
- 18 Dark cold dry day snow remain  
ing on the Mountain tops
- 19 Snow falling in small quantity  
through the day but melting  
in the lowland. Ther at 9 AM 33½
- 20 Cold rain from the East all day

**29**

(26)

March 1808

- 21 Misty rain from the Eastward
- 22 Dark cool day with snow on the  
Mountain tops Wind easterly.  
Transplanted the squills at  
the end of the Greenhouse and  
*Prunus carolinianum*
- 23 Cold day dry day, but about 9  
PM. Solitary flakes of snow falling
- 24 Solitary flakes of snow falling  
Ther at 8 AM. 34. Snow showers in  
the afternoon
- 25 A snow shower which whitened  
the ground. Ther at 8 AM. 33½.  
Called NE wind
- 26 Dark cold Morning Ther at 9 AM 38

Wind Easterly

*Eulix europæus* with flowers

27 Dark cold Morning Ther at 9AM

37 Wind Easterly

28 Dark cold day NE wind. Clear starry  
night.

29 Hoar frost and Ice on ditches till after

12

**30**

(27)

March 1808

12 o'clock.

*Leontodon Dens Canis* Flowering

Roach appear today at the surface

of the Pond & Bees about *Erica saxatilis*

Brilliant and warm in the sun.

Ther. at 2 PM. 42

30 Frosty Morning Ther at 9 AM 36

Pleasant bright day very mild

Evening

31 Pleasant Warmish day while

the sun shone Ther at 9 AM 36

April

1 Ther at 9 AM. 40 had been some  
moisture which appeared on

the Stones about the door in the  
Morning - sowed *Bartsia viscosa* *Centun-*  
*-culus minimus* *Draba incana*,

- 2 Ther at 8 AM 35 Pleasant day  
with sometimes sunshine
- 3 Ther at 9 AM. 45½ has been a shower  
some slight showers towards night  
The summer of 1798 a Peahen not getting  
leave to hatch layed 23 Eggs

31

(28)

April 1808

- 4 Ther at 9 AM. 51 after a wet stormy  
-y night showers during the day  
Ther. about 12 59°  
Double Daffodils and *Fragaria ste*  
*-rilis* Flo.
- 5 Ther at 9. AM. 48. Windy Wet night  
Pleasant day after the rain ceased  
with some sunshine  
Sowed Myrtle seed  
Grafted Harvey Apple 4 grafts in the  
Pea field 2 in the Nursery  
Grafted 2 *Prunus siberica*
- 6 Ther at 8 AM. 40. dark Morning with  
slight rain. Heavy Rain during

the day

7 Ther at 8 AM. 40½ fine Sunny

Morning same through the day

8 Ther at 8 AM 45 - Sunny Morning

after rain drying windy day

*Ranunculus Ficaria, Ornithogalum luteum*

Flowering

32

(29)

April 1808

9 Ther at 9 AM. 46½. A small shower

during the Day

*Oxalis Acetosella*, Flowering

*Anemone Nemorosa* Flowering

On the Coast of C Antrim near

is a recess amidst

the opening rocks which from convenience

for landing has been denominated

the Smugglers hall amidst a variety

of tales of their exploits related by an

Old and enthusiastic Smuggler, was

the following. It is customer for these

people to consign to the care of each

other valuable cargoes which are

conducted by unfailing honour

to a place of Safety, once a valuable

cargo was entrusted to the care of the  
relater who had got it safe on shore  
and was proceed through the defile  
with about 30 others when an alarm  
was given that a Customhouse officer  
was seen at a distance, and that

ter-

33

(30)

terror inspiring object struck with conster-  
-nation the whole gang of Smugglers, but  
urged to desperation, on recovering a  
little from the fright, the chief advanced  
up to the awe inspiring man, with  
a pair of pistol, and told him that  
a very valuable cargo had been en-  
-trusted to his care which he was re-  
-solved not to part with, that if he  
offered to make any resistance he would  
shoot him but that if he went qui-  
-etly about his business there was  
a horse with a good chest of tea at  
his service, the officer took the horse  
and tea, and had got to some dis-  
-tance when it was discovered that  
instead of tea he had got a package

worth above £100, the chief then follow-  
-ed after him told him the mistake  
and demanded the return of the pac-  
-kage which was complied with, and  
they

34

(31)

they parted perhaps equally pleased  
that they had not met with resistance  
This same chief of the Smugglers re-  
-lated his having fought when on  
board his own vessel, a Revenue cut-  
-ter for an hour and a half near the  
fair head, and that being even obli-  
-ged to run his vessel ashore he had  
beat the cutter off.

It is strange that this man had the  
most terrible opinion of the unprinci-  
-pled people with whom he had to  
work, he said he thought of them the  
most horrid rascals that ever were  
created, that he had by every means  
to conform to their caprices, yet  
did he continue to associate with  
them and seem to find a plea-  
-sure which attached him to

these desperate adventures.

Related by Mr R. Robinson

Portrait Painter.

35

(32)

April 1808

10 Ther at 9 AM. 50 pleasant day  
with a few drops of Rain in the  
forenoon

Bought a hedge hog from  
some boys

While the Hare is endowed with swiftness  
and the Fox with both speed and cunning  
the harmless Hedgehog meekly submit-  
-sive endures the most barbarous treat-  
-ment without complaint, rolled in its  
spiny armour blows only serve to make  
it contract itself more forcibly, and its  
patient resistance is only overcome  
by submersion in water, where the  
poor animal to preserve itself from  
suffocation is obliged to show its  
defenceless head, and exert a facul-  
-ty which it has before made use of  
when obliged to cross waters in its  
nocturnal wanderings.

Content with a Scanty subsistence  
derived from roots, fruit, and some say

Worms

36

(33)

April 1808

Worms and insects, it seldom moves far  
from its mossy recess, but spends in  
Sleep and indolence revolving seasons.

During winter

it is said to Sleep continually but as  
it does not like the marmot (*Arctomys*  
*Marmota*) retire under ground where  
an equable temperature prevails, this  
appears very doubtful, But as it is so  
seldom seen even during the sum -  
except when taken by force from  
its haunt little is known of its plea-  
-sures or propensities. It has been  
accused of sucking cows, and carrying  
off

37

(33)

April 1808

off from an Orchard as many Apples  
as it could stick on its prickles both

which on examination of the animal will at once contradict, the first is out of its power from the smallest of its mouth, and the Spines are too close and too short for it to accomplish the second. The celebrated Buffon says he permitted several of them to go about his Garden, that they did little damage, and it was scarcely perceptible that they were there. They lived upon the fruit which fell from the trees, they dug the earth into shallow holes with their snouts, they ate caterpillars, beetles, worms and some kinds of roots; they were also very fond of flesh, which they devoured either raw boiled or roasted, as it was presented to them.

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(34)

April 1808

11 Ther at 9. AM. 50. Trifling Showers  
in Malone heavy in Belfast in the  
Evening

*Andromeda calyculata* Flowering

Sowed Laburnum, White Broom, Thyme

hyssop Summer & winter Savory &c

12 Ther at 9 AM. 51 - pleasant Sun

shine day

13 Ther at 9 AM. 49. Pleasant day

2 Swallows seen at the Road

*Viola Canina* Flowering

14 Ther at 9 AM 50.

15 Ther. at 8 AM. 47 - Some small

Showers

16 Ther at 9 AM - 45. Clear day

some hail falling

17 Ther at 9 AM. 41. Cold clear day

18 Ther at 9 AM. 40 Snow and hail

Showers

19 Ther at 8 AM. 38. Ice on water

to the middle of the day hail

Showers. Mourne Mountains all

white.

**39**

(35)

April 1808

20 Ther. at 8 AM. 35.

Willow Wren come *Salix Russeliama*

with leaves 1 inch long

Received from Mr Harvey

and a Shrub supposed

*Halesia*

*Mispilus*

21 Ther at 8. AM. 38

Determined a lichen found Decr. 3

1806 and January 7. 1807 to be

*Lichen analeptus* E. Bot. 1808

*Verrucaria analepta*. Ach. Pro. 15

22 Ther at 8. 40 Sleet falling Moun-

-tains white after a very stormy

Night Showers through the day

wind strong blasts Nearly North

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April 1808

23 Ther at 9 AM. 43. night windy

Windy day wind Northerly

*Arabis alpina* & *Adonis Vernalis*

Flowering.

Determined *Lecidea pinicola* En. Bot 1851

Found on Scotch Pine Decr. 27. 1807 & Ap 1

23. 1808

Examined and made a figure of the

Red substance observed for a length

of time on the Greenhouse floor

&c Found it *Tremella cruenta* En

Bot. 1800.

24 Ther at 8½ AM. 42½ Pleasant but  
not very bright day  
Ranunculus amplexicaule Flowering  
Made a drawing of Brown crusted  
black margin *Opegrapha* fig No. 9  
and of *Grimmia crispula* found on  
the timber of the 2nd lock  
Read the Statistical Survey  
of the C. Wexford & Kildare in which  
I found a great deal of Curious  
matter

41

(37)

April 1808

25 Ther. at 8 AM. 43. Pleasant bright  
day

26 Ther at 8 AM. 43. Dry dark  
day wind yet Northerly  
Talking on the Herring Fishery  
(Mr. Tennent gave it as his opinion  
that the Herrings comming from the  
Northward dividing at the Shetland  
Isles, and part goes into the Ger-  
-man ocean, the other part  
passing by the Hebrides again  
divides of the North of Ireland

One body stretching towards the  
Scotch Coast the rest passing to  
the West coast of Ireland, Lough  
Swilly is the first place to the West  
-ward where they are found, few or  
none in Lough Foyle, and only at  
the streight between the Mull of

Can

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April 1808

Cantyre [Kintyre] do they begin again to ap-  
-pear on the Irish coast, after this  
compression of their ranks they ap-  
-pear indiscriminately on the  
Scotch and Irish coast. So that  
the whole space from Lough Swil-  
-ly to Tor point is commonly without  
Herrings.) Perhaps if the set of the  
currents was sufficiently known  
this very extraordinary passage of  
the herrings might be satisfactori  
-ly explained.

27 Ther at 8½ AM. 45. Pleasant warm  
day

Saw a Butterfly 1 Swallow

2. Sand Martins

*Glechoma hederacea* flowering

Found a Black *Dermestes* in the

Greenhouse of which I made a fig

-ure

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April 1808

28 Ther at 8½ AM. 45. Pleasant dark  
day

29 Pleasant dark

day threatening rain Wind SW

*Mispilius canadense* Flowering

2 Swallows *Stellari holostea* Fl.

Sent a box of plants to Mr. Mac  
-kay and Mr. Underwood

30 Threatening rain

Wind Westerly -

Determined and made a drawing of

*Hypnum piliferum* E. Bot – 1516 [p 1516 of Eng botany pub 1806 James  
Edward Smith]

the figure good of E.B. but the dentition

which appears with a high mag

-nifier on the margin of the leaf

not expressed

*Viola tricolor* & *Juncus pilosus* Fl.

And *Caltha palustris* flowering

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May 1808

1 Ther at 8 AM. 51.

Made a drawing of *Bryum anno-*  
*-tinum* Found in the Moss also

*Hypnum cuspidatum*.

Made a drawing of *Vorticella*

*viridis* a very minute animalcule

Found in the drain at the Rushy bog

*Montia fontana* Fl. & *Chaerophyllum*

*sylvestre* *Papilio cardaminus* Male

2 Ther at 8 AM. 51. Warm pleasant  
day

3 Ther at 8 AM 55. Ther at 2 PM. 65

*Narcissus triandrous*, *Calathimus*

& *Bulbocodium*, *Pyrus præcox*

*Ixia Bulbocodium*,

*Papilio Urtica* Swallows plenty

Rail calling & Martins building

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May 1808

4 Ther at 8 AM. 55 Gentle Rain

Cuckoo calling

Made a drawing of *Coccinella 14 punctata*

Found by Miss Jane Tennent

Put out *Arbutus Andrachne*

Prospectus for the Belfast

Monthly Magazine

Written by John Hancock

On the first of September 1808 It is in

-tended to publish- The first Number

of the Belfast Monthly Magazine.

To be published on the first day of

each succeeding Month price 1s-8

In offering a New periodical work to the

patronage of the public it will reason

-ably be expected that some claims

will be advanced in its support....

Of promises we shall be sparing,

as we are desirous to be judged ra-

-ther by our performance, than

by our professions... yet we shall

briefly

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briefly state the fare which we de

-sign to present to the Public.

From the arrangements we are ma-

-king, we trust we shall be able to

lay before our readers a large por-  
-tion of Original Communica-  
-tions, in which the tastes of the  
several classes of readers will be  
consulted... When at any time we  
borrow from other periodical pub-  
-lications, we shall candidly ac-  
-knowledge the sources whence  
we extract, and thus avoid the mea-  
-ness of borrowing without making  
an acknowledgement.

The Political department will  
give an historical review of the  
state of Politics; accompanied with  
official documents, and other au-  
-thentic illustrations of the subject

....

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May 1808

....Our aim will be to give a dis-  
-passionate view of the passing e-  
-vents of this important crisis...

We shall endeavour to inform and  
instruct but by no means to inflame  
or lull into apathy.... An impar

-tial relation of of Irish occurren-  
-ces will form a prominent por-  
-tion of this department.

We are promised a series of essays  
on the highly important subjects  
of manners and morals, which  
without offending existing preju-  
-dices, we trust will be found to  
promote general utility.

Classical dissertations will occa-  
-sionally be found in our pages,  
though as being less interesting to  
the

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May 1808

the bulk of our readers, they may be  
inserted more sparingly

....It is our wish to furnish the pub-  
-lic rather with wholesome, substan-  
-tial fare, than curious delicacies.

We hope, however, to offer an accep-  
-table desert of fruit, now and then,  
in the poetical departments;  
but; considering that the poetry may  
be reckoned a luxury, and think-

-ing that it does not admit of  
mediocrity, we wish to be sparing  
in the quantity and choice in  
the quality.

We shall endeavour to procure  
some original criticisms on new  
publications, though from our  
local situation it cannot be  
expected that we shall regularly  
in every number, furnish such

an

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(45)

an article... Our attention will  
be particularly turned to publica-  
-tions of peculiar interest to Ireland  
or in which Irish authors shall  
be especially concerned.

On subjects of Agriculture, as a  
matter of prime importance, in  
the present state of the country, we  
earnestly solicit communications  
from the intelligent.... In each  
number we design to give a com-  
-mercial and agricultural re-  
-port, particularly adapted to

Ireland, but occasionally taking  
in a wider scope, and also, a  
Naturalists and Meteorological  
Report.

It is obvious from our local  
provincial situation, we  
shall have many difficulties

to

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to encounter, but we rely for support,  
especially on the extensive popula-  
tion of Ulster; and if we can fur-  
-nish a work, interesting to the  
Merchant, the Manufacturer, the  
Farmer, and the Mechanic, as  
well as to the Man of Letters, and  
our Female readers, we trust our  
appeal to their liberality will  
not be in vain.

The work will be printed and  
published by Smith and Lyons  
115 High Street to whom com-  
-munications free of Postage  
are to be sent.

Belfast April 1808

On which I made the follow  
ing alterations not however  
produced to the public

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At the present period when Know  
-ledge has diffused its light from the  
Pallace to the Cottage, and Philoso-  
-phy established on true principles  
no longer wanders amidst the  
wilds of conjecture. When a warm  
desire for literary information  
pervades all ranks of Society, we  
are induced with the view of  
gratifying the prevailing desire  
to undertake a New Periodical  
Publication to be entitled the  
Belfast Monthly Magazine.  
From the arrangements we are  
making we trust we shall be  
able to lay before our Readers  
a large portion of Original com-  
-munications, in which the tastes  
of the several readers will be

con-

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consulted, When at any time we  
borrow from other publications we  
shall candidly acknowledge the  
sources whence we extract.

We are promised a series of essays  
on the highly important subject  
of Manners and Morals, wherein  
the Censor will endeavour to con-  
-duct with a gentle hand his  
youthful friends along the paths  
of virtue.

Classical dissertations will fre-  
-quently be found on our pages  
and we hope occasionally some  
poetry which will not only gra-  
-tify the lover of Natural des-  
-cription but please the critic.

We shall endeavour to procure  
some original criticisms on New  
or interesting publications, though  
from

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from our local situation it cannot  
be expected that we shall regularly

in every Number furnish such an article. Our attention will be particularly turned to publications which more immediately relate to Ireland or in which Irish authors shall be especially concerned.

Considering Science and Literature as the true friends of toleration bound by no exclusive rights, System of Monopoly, Sect or party Our political department will Give an historical view of the state of Politics, accompanied with Official documents and other authentic illustrations of the Subject. Our aim will be

to

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to give a dispassionate view of passing events. We shall endeavour to inform, but by no means to inflame.

In each Number we design to give a Commercial & Agricultu-

-ral Report particularly adap-  
-ted to Ireland but occasionally  
taking in a wider scope, and al-  
-so a Naturalists and Meteoro-  
-logists.

Communications on every sub-  
-ject connected with Philosophy  
Literature and the Arts will  
be thankfully received, but ever  
attentive to whatever can con-  
-tribute to the welfare of our  
Country, none will be more  
acceptable than those which

relate

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relate to improvements in A-  
-griculture and the Arts.

5 Ther at 8 AM. 55 Gentle Showers

*Prunus spinosa* and *Prunus do-*  
*-mestica* Fl.

*Hirundo Apus* saw one at

the Linen hall

6 Ther at 8 AM. 54 Gentle Rain

*Vaccinium Myrtillus*, *Saxifraga*

*Hypnoides*, Fl. Gooseberries and Furze

in full Flow-

7 Ther at 8 AM. 48. Wet day

8 Ther at 8 AM. 49 Brilliant day,

Wind South

*Viola palustris, Rhodora canadensis.*

*Orchis mascula, Fragaria*

*vesca Stellaria uliginosa* Fl-

Whitethroat came

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May 1808

General Remarks on the Peninsula of  
the Crimea.

The seasons in this country, and upon  
the whole, very unequal. I have known  
a winter, that of 1795-6, when,  
so early as the 6th of February, all the  
spring flowers were everywhere  
seen in full bloom, such as the *Vi-*  
*-ola odorata, Tussilago, Crocus, Col-*  
*-chicum vernalis, Hyacinthus ra-*  
*-cemosus*, several kinds of *Ornitho-*  
*-galum, Cyclamen, Arabis alpina,*  
and *Fumaria*. During the remainder  
of that month, they were buried un-  
der a deep snow, though not a sin

-gle day was marked by severe frost.

On the other hand the rigorous winter of 1798-9 and of 1799-1800, continued from the end of October till April, with various degrees of cold, accompanied by violent hurricanes from the North, so as frequently to cause the Mercury to sink 18 degrees

be-

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below the freezing point; which was likewise the lowest state of the thermometer in 1787. In the last of these winters, the frost was so intensive, during the most boisterous North winds, that not only the whole sea of Azof, together with the Bosphorus, but also great part of the Bay of Kaffa and several creeks of the Black Sea were covered with Ice, sufficiently strong to support the weight of persons crossing both on foot and on horseback. Such inclement winters, as well as copious falls of Snow, are not very common; and the latter seldom remains on the ground

throughout the season. The winds are very variable, and bring rain from the West and Southwest; mild air and frequently mists from the south, serene dry weather from the east; and cold from the North.- Besides the Barometer is subject to sudden changes, and the Climate is so unsettled that

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May 1808  
that it often varies six or eight times in 24 hours. Fine weather however and heavy storms, which last are but too common generally, follow or precede the Changes of the Moon. The summers in the Crimea are also very irregular. Too frequently droughts prevail for several successive years, even from the beginning of Spring; so that the wells and brooks are dried up; and it is no uncommon thing to see the thermometer stand, in the shade at 29, 30, or even 31 degrees of Reaumur. On the same day, however it often falls

10 or 12 degrees, and there is generally a current of air, which moderates the heat, especially in the Mountainous vallies, that are exposed towards the sea and along the banks of rivers. - Cool and rainy summers are uncommon though they occasionally happen after severe winters.

Pallas Travels through the Southern provinces of the Russian Empire  
Vol II. p 376.

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From the Same

The most common sort of Fish occurring here, is the mullet, or *Mugil Cephalus*, which swims in large shoals along the whole shore of the Black sea, as far as the Canal of Constantinople; and from the roe of which Bortargo is prepared. Fish of different ages advance in distinct shoals; a fact, which has also been observed in the Bosphorus, and in some parts of the sea of Azof

The above-mentioned observation is not peculiar to the *Mugil Cephalus* I believe few people conversant with fish have not made the same observation, Roach, Perch &c are seldom caught of different sizes at the same time, and few people but must have observed the uniformity in the size of

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May 1808  
of Herring caught out of the same Shoal, very often the large and the small shoals haunt different places so that Skilful fishermen know where to find them —————

Today I heard from Mr. Dunlop Junr. - a remarkable instance of the sagacity of Foxes A pair of Male and female confined in the Yard of Mr Gillet keeper of the Belfast hotel, had observed through the day 7 ducks in the yard which excited their particular attention when the ducks approached them

they couched in hopes the ducks  
would be induced to approach  
then while they remained qui-  
-etly observing their every motion,  
Night however came and the Ducks  
retired to rest. The Male Fox then

cutting

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cutting with his teeth the leather strap  
about the neck of the female and which  
fastened her to the chain, let her loose  
to catch the ducks which she soon  
accomplished bringing 3 to the  
male and keeping the other four to  
herself as appeared when they were  
discovered

9

Pleasant day

with a gentle shower but mostly  
brilliant.

*Erysimum alliaria* Fl.

Pied bird came

Went to see the two foxes mentioned  
in page 56 found them the a Cur Fox  
the female familiar with a young

man which she allowed to lift her  
in his arms and carress.

The difference between this kind  
and the Greyhound Fox strikes at  
first

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first sight in the shape and length  
of the legs, and perhaps in the col-  
-our but as these were dirty I could  
not be so sure of that. the shape of  
the head however was what I thought  
the most remarkable character, the  
nose was small but the seemed flat-  
-ted from the forehead rising more  
There haunts. Mr John Sinclair re-  
-marks are mostly different this spe-  
-cies is found commonly about the  
coast inhabiting rocky ground, the  
greyhound Fox generally inland  
burrowing in a Sandy soil

10 Ther at 8 AM. 49 - Showery Morning  
and through the day

*Lathræa squamaria*, & *Orobustulorosus*  
& *Philolobus crystillina* on Grafting Clay.

Grafted Plum give me by Mr H. Bell

Apple grafts by Mr Bradford & 2 *Daphne*

*collina*

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*collina*

Turned out *Gladiolus Cardinalis* a

plant of this has survived several

winter growing at the side of the

greenhouse wall at the NW end

Planted *Punica granatum* on the

mount at the pond, *Fuschia cocci-*

*-nea* in the den at the Pond, also

*Vaccinium stamineum* & one re-

-ceived from Mr. Whitley

Saw at Mr John Russels a tame Buzzard

brought from Ld. Dufferins woods now 1 year old

11 Ther at 8 AM. 53. Showers

*Geum rivale* Fl.

12 Ther. at 8 AM. 55½

*Geranium lucidum*, *Ranunculus*

*auricomus* & *Saxifraga Granulata*

Fl.

13 Ther at 9 AM. 57 Showers

Swifts come

14 Ther at 9 AM. 58½ Showers  
*Troillius europæus* *T. asiaticus*  
& *Kalmia glauca* Fl. & *Menyan-*  
*-thes trifoliata*. Grasshopper Lark  
Singing in the Evening

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The Reformed Sexual System of  
Linnaeus. By Robt. Thornton MD

Classes

- 1 Monandria
- 2 Diandria
- 3 Triandria
- 4 Tetrandria
- 5 Pentandria
- 6 Hexandria
- 7 Heptandria
- 8 Octandria
- 9 Enneandria
- 10 Decandria
- 11 Dodecandria
- 12 Polyandria
- 13 Cryptogamia

Orders

Orders taken from the number of pistil

-la

- 1 Monogynia
- 2 Digynia
- 3 Trigynia

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- 4 Tetragynia
- 5 Pentagynia
- 6 Hexagynia
- 7 Heptagynia
- 8 Octogynia
- 9 Enneagynia
- 10 Decagynia
- 11 Dodecagynia
- 12 Polygynia

Orders taken from some curious

particularity in the Stamina

- 13 Didynamia, 4 Stamina long, 2 short
- 14 Tetrodynamia, 6 Sta., 4 long, 2 short.
- 15 Teosandria 20 or more Sta, inserted  
on the Calyx or corolla
- 16 Monodelphia filaments united in  
one body.
- 17 Diadelphica filaments united, for-  
-ming 2 bodies

18 Polyadelphia, filaments united  
forming 3 or more  
bodies

19 Syngenesia, 5 anthers united

20

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20 Gynandria      Stamina arising from  
the pistil

21 Monœcia      Stamina apart from  
the pistil on the same  
plant.

22 Dicecia      Stamina apart from  
the pistal on different  
plants.

23 Polygamia, bisexual flowers and  
unisexual.

Class Cryptogamia as the natu-  
ral Orders

1 Filices, 2 Musci, 3 Algae 4. Fungi

Remarks

1 The Class 4 Tetrandria being a nume-  
-rous one, Linnæus chose to separate  
it into two, and an opportunity  
presented itself from the considera-

-tion of the differences, which oc-  
-cur in plants having 4 Stamina,  
from the proportion of these. Di-  
-dynamia expresses the difference,  
and the flowers are either ringent or  
per-

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personate, a Natural tribe. But as  
all the ringent flowers are not inclu-  
-ded in the Class Didynamia,  
some coming under Cl.2. Diandria  
there can be no good reason for  
not making this real division of a  
Class into an Order. The System  
hence becomes more easy and regu-  
-lar, and in fact, frequently more  
Natural.

2 The Class 6. Hexandria, also rea-  
-dily separates into two parts, from  
the like consideration of the propor-  
-tion in the Stamina, and Tetra-  
-dynamia contains the Natural  
-tribe of Cruciform plants.

3 The Class 13 Polyandria also rea-

-dily divides into two parts from  
the consideration of the insertion  
of the Stamina; and one of these,  
the Icosandria of Linnæus posses

-ses

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ses many edible fruits; but as it is  
not altogether a natural Class,  
therefore, no one can regret seeing  
this part distinguished as an or-  
-der.

4. In the Monodelphia of Linnæus  
many of the numerical names,  
which had been used to characterize  
the classes, are employed to distin-  
-guish the orders or subdivisions,  
as Pentandria, Decandria etc. and  
hence arises a confusion unavoi-  
-dably perplexing to the young stu-  
-dent, and which our method, as  
is evident completely removes

The same observation applies  
to the classes Diadelphia, Poly-  
-adelphia, Gynandria, Monœ-

-cia, Diœcia where the same (may I call it so) impropriety occurs. This class in Linnæus is not natural, but, being made into

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into orders, many of them became natural as orders, as the Columniferœ.  
5. The Papilionaceous Flowers, as they are generally termed, from the Order Decandria in the Class Diadelphia of Linnæus; but the author, unwilling, as it would seem, to make any breach in so natural an assemblage of Plants, has so far deviated from the principles of his System, as to refer to that Class several Genera which strictly belong to the preceding class, being in fact Monodelphious.  
This inconvenience is entirely obviated in the present scheme, where Monodelphia and Dia-

-delphia constitute two successive orders in our Class 10 Decandria

6

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6. Polyadelphia is a small, and as D. Smith observes “rather unnatural class”. Most persons are shocked to see Citrus, the Orange, in this Class, and not in the Icosandria

Class; for Linnæus described it of the Class 18 Polyadelphia Order 3

Icosandria. Now in our reformed sexual System it comes under Class

13. Polyandria order Icosandria in juxta position with other edible fruits, in the subdivision Polyadelphia.

7. Class 5 Pentandria; a numerous class, is subdivided by Syngenesia, and so formed into two classes by Linnæus, the latter of which, however, as containing an order Monogamia, is not therefore altogether a na-

-tural Class. We obviate this  
by making Syngenesia an order,  
and

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and the subdivision Polygamia  
to contain the natural tribe of  
compound flowers; whilst, under  
another subdivision, Monoga-  
-mia, many plants not having  
Compound flowers arrange them-  
-selves.

8. Against Gynandria, which  
Dr Smith calls “an odd and Mis-  
-cellaneous class” there lies the  
same objection, as we observed a-  
-bove as against the class Dia-  
-delphia, the numerical names  
of Classes being applied to orders.  
In our scheme, Class 2 Diandria  
has and order Gynandria which  
contains the natural tribe of Or-  
-chiser, and these the mind is  
delighted to see a natural as-  
-semblage embraced in an Order,

if

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if not in a class. The separation of the remainder cannot be regretted, as not possessing amongst each other the smallest affinity.

9. Monœcia is a miscellaneous class, and borrows the names of its secondary divisions from most of the other Classes, as Monandria Diandria etc may even from Monadelphia, Syngenesia and Gynandria; for all these become, in Linnæus Sexual System, orders. In our scheme Class Triandria, order Monœcia, contains mostly grasses: hence we retain this natural assemblage in the same Class at least if not in the same order.

10. Diœcia The same remarks may apply here as in Monœcia

11 Polygamia subdivides the

Clas-

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Classes Monœcia and Dioœcia; the-

-refore in the logic of Science it is

in reality an order

Envy is at rest when the body is laid in

the Silent tomb.

And then only is a Mans merits truly es-

-timated.

Tillock Phil. Mag XXX 253

- 15 Ther at 9 AM. 58½. Pleasant dry  
day

*Veronica Chamædrys, Scilla nu-**-tans, Arenaria trinerva Arum**maculatum, Lysimachia ne-**-morum Fl.*

- 16 Ther at 8½ AM. 54½. Pleasant  
dry day

- 17 Ther at 8 AM. 51 Pleasant dry  
day

*Spartium Scoparium Fl.*

- 18 Ther at 8 AM. 51. Pleasant warm  
day

*Sedum latifolium Scilla companu-**-lata Flow -*

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On Instinct

Did not experience teaches us how far  
the Spirit of System has sometimes  
led the greatest of men, we might  
be induced to believe, that they  
were not serious in this specu-  
-lations, or that they had never  
attended to the habits and man-  
-ners of animals.

No individual possessed of the com-  
-mon understanding, can hesi-  
-tate to believe, that animals  
are conscious of their sensations,  
and are determined in their ac-  
-tions, by present pleasure or pain;  
but it must be also admitted, that  
they possess a strong memory, that  
they form by repeated experience,  
general judgements, founded on  
analogy; and that they after-  
-wards

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-wards conduct themselves accor-  
-ding to the pleasure or pain  
felt in consequence of these deci-  
-sions and often in opposition to  
the attraction of present pleasure  
or pain; and, lastly, that this  
principal, well directed, may be  
employed by man in their edu-  
-cation, and may sometimes lead  
animals to the habit of perform-  
-ing, with admirable precision,  
actions not only in themselves  
extremely difficult, but to which  
their conformation does not seem  
adapted. None of these Philosophers  
doubt that animals have various  
ways of expressing their wants and  
their passions, and that those of  
the superior orders whose organiza-  
-tion

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-tion approaches to that of the  
human species, are capable of

learning the signification of many  
of our words, and obey our orders,  
without committing any mistakes.  
But independently of these facul-  
-ties which in some respects resem-  
-ble ours, and which vary in a  
considerable degree in the dif-  
-ferent classes of animals, natu-  
-ralists conceive they have dis-  
-covered in certain species other  
faculties, which appear to be  
essentially different, and to  
which they have given the name  
of instinct. — There are certain  
actions essential to the preserva-  
-tion of the species, but which are  
often entirely foreign to the ap-  
-parent

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-parent wants of the individual;  
they are often also so very compli-  
-cated, that were we to attribute  
them to intelligence it would pre-  
-suppose a degree of foresight

and knowledge, and which no one has yet ventured to ascribe to these species. Such actions can -not be attributed to a princi- -ple of imitation, since it should seem that the individuals, who perform them, had no opportu- -nity of acquiring such know- -ledge, and yet that those of the same species uniformly prac- -tice them nearly in the same manner: lastly, what appears not less remarkable is, that

actions

**78** [copy blurred, repeated as 80]

**79** [repeat of 77 (73)]

**80**

(74)

May 1808

actions, which have no reference whatever to the degree of ordinary intelligence, and which become more singular, more acute, and more disinterested, in proportion as the animals, which performed them, belong to Classes less ele-

-vated and more stupid. Thus  
it is among the insects, the  
Molluscæ, and the worms, that  
we observe the most astonishing  
instincts; hence it should seem,  
that instinct and intelligence,  
are two distinct faculties in-  
-tended to compensate the want  
of each other, as in some respects,  
fecundity supplies the place  
of strength or longevity, it is  
ever by the just proportion of in-  
-telligence

81

(75)

May 1808  
-telligence, instinct, and physi-  
-cal qualities, such as the delica-  
-cy of the senses, or the strength of  
the body, that the species are  
preserved.  
Naturalists have, therefore sup-  
-posed that animals endowed  
with instinct exert these parti-  
-cular actions, in consequence of  
an internal impulse, wholly

independent of experience, foresight, education, and external agents, or in other terms, that organization alone determines them to act in that peculiar manner. This conclusion has been adopted by most observers who merely differ in explaining in

ex-

82

(76)

May 1808

explaining the mode, in which organization imparts this determination .....

M. Dupont. See Cuviers report of the transactions of the National Institute

Monthly Mag. Vol. 24. p 487

90 Ther at 9 AM. 53. Brilliant day  
*Statice armeria, Papaver Cambri-*  
*-cum. & Arenaria ciliata* flow

Little Flowers on the *Nymphaea alba* blown in the pond

20 Ther. at 9 AM. 57. Brilliant day  
*Azalea Pontica* Flow.

Black May Fly. plenty.

- 21 Ther. at 9 AM 60. Dark day with  
a Gentle shower

White *Lilac* & *Sedum thymifoliar*

Fl. *Veronica montana* in Flower

- 22 Ther at 9 AM. 59. Cloudy with a trifling  
Shower

Fly Honeysuckle

83

**83**

(77)

May 1808

#### On Confining Birds

The Species of Songbird least objection-  
-able to the practice of confinement,  
at least in this country, is perhaps  
the Canary Bird, in consequence of  
its never having enjoyed freedom,  
added to its incapacity of sustain-  
-ing life under the rigour of our  
climate: but even this bird, who  
was never initiated into the plea-  
-sures of Liberty, and the unres-  
-trained enjoyment of air; whene-  
-ver allowed, merely to fly about

and enjoy the expanse of a room,  
evinces his gratification in every  
attitude. He preens his plum-  
-age, that plumage that seems  
to dictate to him his birthright  
to

84

(78)

May 1808  
to Liberty; he flirts about in lively  
expressions of pleasure, and in un-  
-bounded vivacity, in this limited  
indulgence of that aerial power  
with which nature endowed him,  
but which man has denied him the  
enjoyment of, for his own personal  
gratification.

That the feeling and sentiment of birds  
by whatever name we may designate  
them, are tender and sympathetic,  
their conjugal and parental conduct  
amply testifies.

I well remember that when a  
Schoolboy, there was not one among  
us without his bird. There were two  
Male Linnets, who preserved during

their lives, which were protracted  
for some years, the most inviolable  
at-

85

(79)

May 1808  
attachment and friendship. These  
Linnets were named Robert and Hen-  
-ry; they had not been brought up  
together, nor did they belong to the  
same person. It was early obser-  
-ved that whenever one of the birds  
sang, the other bird joined it; and  
at night, each slept on that side of  
the cage next its friend's. At length  
their attachment was more fully  
ascertained by this accident. It  
was customary to allow the birds  
to fly about the chamber in  
which they were kept, on clean-  
-ing their cages. On one of these  
occasions, one of these linnets be-  
-ing at Liberty, flew to the cage  
of the other; and they were after  
-wards

86

(80)

May 1808

wards, now and then, indulged with the privilege of being together in one cage, when they uniformly expressed their high gratification by fluttering towards each other, joining their bills together, and alternately gently picking the tongue of their friend.

At length it was agreed to allow one of these birds to fly abroad in the open-air, whilst the other was placed out in its cage. I have known the friend left at liberty to mix for some hours with the wild Linnets, for this was on a heath or common near the schoolhouse, and regularly to return in the evening to his vacated cage placed near his confined friend. This indulgence of the common was conferred alter-

-nately

87

(81)

May 1808

-nately on Robert and Henry and

with the same undeviating attachment. They never were allowed this liberty together; and probably had it been suffered they would not have returned; for each seemed to enjoy the company of the wild linnets, but so indelible was there mutual attachment, that they preferred imprisonment together, rather than separation.

One of these friends at length died, and the other pined away and soon followed his deceased friend - ad sedes illuc negat ridere quemquam.

Yours etc

J.C. Lettsom

Sambrook Court March 10, 1808

Monthly Mag. 25 Vol. p. 220.

**88**

(82)

May 1808

23 Ther at 9 AM. 53. Rain during the night. Pleasant day

24 Ther at 8 AM. 51 Rain in the night Pleasant dry warm day

*Statice armeria* flowering at the point

Fields – *Plantago coronopus*

25 Ther at 9 AM. 51. Rainy Morning

Gentle rain several times through  
the day.

Some Flowers blown on *Rhododendron*

*Ponticum & Azalea nudiflora*

Made Figures of *Ulva defractor*

*U. fistuloso*

*Conferva ornata*

——— *dubia*

——— *Flabellifera*

Found on the shore at the point

fields yesterday.

26 Ther at 8 AM. 51. Wet morning

Rain through most of the day

*Pedicularis sylvatica* Flow

89

(83)

May 1808

27 Ther at 8 AM. 50½ Wet morning

Wet most of the day

*Berberis vulgaris Spiraea Chamædry*

*-folia, Laburnum & Pæonia pere-*

*-grina* flow. Hawthorn, and Pearleaved

Hawthorne.

- 28 Ther, at 8 AM. 53. Rain and thun-  
-der at a distance  
*Aesculus Hippocastanum Rhodo*  
*-dendron ferugineum Spiræa*  
*hypericifolia Sorbus aucuparia*  
*Veronica Beccabunga*
- 29 Ther, at 9 AM. 54. Heavy thun-  
-der like Showers
- 30 Ther at 8½ 58. Brilliant morn-  
-ing and day  
*Iris siberica* Flowering

90

(84)

June 1808

- 1 Ther, at 8½ AM. 54. Brilliant  
Morning and day  
*Trientalis europæa* Double Cinnamon  
Rose Flowering
- 2 Ther at 8 AM. 54 Rain in the  
Morning  
*Trifolium procumbens, Lotus*  
*corniculatus, Geum urbanum*  
Double Pœony, *Rosa alpina*  
Flow
- 3 Ther at 8 AM. 55 Some rain  
Pleasant dark day

4 Ther at 8½ AM. 58½ Brilliant  
morning  
*Halesia tetraptera*, *Rosa pendula*  
*Potentilla anserina*, *Pæonia cor-*  
*-rallina* Flow.

5 Ther at 8½ AM. 49. Rain part  
of the day  
*Staphylea pinnata* Flow  
Transferred *Auricularia Phosphorea*  
to the *Confervæ* see Dillwyns British  
Confervæ plate 88

and

91

( 85)

June 1808  
and Sowerbys *Sphæria Betulinæ* to  
*Opegrapha epipasta* En. Bot. 1828

6 Ther. at 9 AM. 53 - Pleasant dark  
dry day  
*Rhinanthus Crista Galli*, *Orchis la-*  
*tifolia*, *Orchis maculata*, *Carex pen-*  
*-dula*, *C. strigosa* Fl.

Found *Carex pendula* & *strigosa* by the  
side of a little rivulet running from  
Mr John McCances into Bonnick  
moss. Found in the Bog meadows a *Caltha*

agreeing in part with *Caltha radicans* Lin

Tran Voll. 8. p 324

7 Ther, at 9 AM. 56. Some showers

*Lilium bulbiferum* & *Iris sambucina*

*squalens* Fl.

Made a drawing of *Conferva punctalis* found  
yesterday at Bonnicks moss

8 Ther at 9 AM. 54 Dark dry day

Made a drawing of *Conferva glomerata*

& *C. amphibia cæspitosa*

92

(86)

June 1808

9 Ther, at 8 AM. 54 Pleasant dark day

In the evening became clear

Herring common in the Market

10 Ther at 9 AM. 58 Brilliant morning

*Kalmia angustifolia* & *Menzeisia*

*Dabæcia* Flowering

Received a plant of *Lithospermum*

*arvense* found by Dr. Tennent in

a Field of Vetches at the end of the

Long pass at Cromack.

11 Ther Brilliant day

*Cistus Helianthemum roseum* Fl.

the pale lemon colored has been in Flow

-er 5 or 6 days *Iris versicolor* Fl.  
Made a drawing of a hedge hog caught  
on the 7 it was today become so fa-  
-miliar that it lapped milk on the  
table beside me while I was painting  
its picture, the extraordinary form  
of its nostrils, seemingly having a  
movable lap distinct from the ori-  
-fice is a peculiarity I believe not  
seen in other Quadrupeds

93

(87)

June 1808

12 Ther at 8½ AM. 57. Brilliant  
Morning

*Lychnis Flos Cuculi* F

Today I observed that the Hedgehog  
had a short tail covered with black  
skin on which was a thin covering  
of Black hair. the action of eating  
is performed somewhat like a pig  
but rather more in the lapping way  
as all animals whose mouths open  
far behind the extremity of the  
snout are obliged to do, in order to  
lift the liquid without immersing

the nose.

13 Ther at 8½ AM. 62. At 2 PM. 67.

darkish dry day

*Lonicera grata* Fl. *Lathyrus pra-*  
*-tensis* F

Examined a Willow found at the side  
of the Rivulet running from Mr John  
McCances towards Bonnick Moss  
on the 6th. it seems a variety of *Salix*  
*aquatica* E. Bot.1437. the leaves were  
more

94

(88)

June 1808

obovate or ovali ventricosa see plate 8  
of Annals of Bot. Vol. 2 fig 31. than the  
figure in En. Bot. glaucus underneath  
but not perceptibly hairy to the na-  
-ked eye, pleasant light green above  
stipulæ very small semicordate only  
towards the extremity of the shoots.  
shoots of the season white green or tin-  
-ged with red finally pubescent.

A Hypnum on the stones in the wa-  
-ter is *Hypnum riparium*

14 Ther at 8½ AM 56½ Rainy morn

-ing.

*Satyrium viride* Fl.

Whether *Salix oliefolia* be really a

distinct species from *S. ci-*

*-nerea* or not I think somewhat

doubtful, but the darker brighter

green, and longer shaped leaves

distinguish them at a distance

In the hedge on the left side of the

road going from Cromack to the new

Lagan bridge and several bushes which

agree

95

(89)

June 1808

agree pretty exactly with the descrip

-tion and figure of En Bot. 1402.

In a Garden hedge on the Belfast side

of Cromack left side of the road I found

yesterday what I take for *Salix Forbi-*

*-ana* E. Bot 1344. but in the figure the

serrations do not seem so acute and de-

-flected upwards as in my specimen

15 Ther at 9 AM. 56½ Slight showers

*Rosa hibernica* in full flower not one

Flower appearing on any of the other

Native species. *Hieracium Pilosella*,

*Mespilus pyracantha*, *Rosa alba*

Flowering & *Rosa spinosissima*

16 Ther at 8 AM. 51. Slight shower in  
the morning.

17 Ther. at 8 AM 59. Slight shower

*Azalea Glauca* & *Floribunda* F

*Stellaria graminea* *Bunium Bul*

*-bocastanum* Flow.

Went to see a Grebes nest at Lysters

pond, it had yolk coloured eggs about the

size of a thrushes but longer shaped

96

(90)

June 1808

18 Dry warm day

after wind at night

*Hypochæris radicata* Fl.

*Vicia cracca* Fl.

19 Ther at 9AM. 66½ at 3 PM. 70

dark warm day.

*Vicia cracca*

*Lillium Pomponium* red & yellow

*Epilobium angustifolium* Papa-

-ver *orientalis* & *Euphrasia officinalis*

Fl

Wheat Shooting

Blackbird, Wren, Cuckoo, Rail

singing

- 20 Ther, at 9 AM. 65 Dark sultry  
day with a slight misty shower  
about 12

*Papaver dubium* Fl *Anthericum*

- *ramosum*

- 21 Ther at 9 AM. 69. Dark sultry  
day

*Epilobium villosum*

Made a drawing of *Conferva multicapsularis*

Dill Bri. Confervæ No. 71

- 22 Ther at 9 AM. 68 At 3 PM. 71

*Digitalis purpurea* *Carex palescens*

Flower *Carex pseudocyperus* coming

from among the leaves *Rosa canina*

flowering & *Rubus corylifolius*

97

(91)

June 1808

- 23 Ther at 9 AM 57 dry day some  
bright sunshine

*Sambucus nigra* *Spiraea salicifolia*

common Fl.

- 24 Ther at 8½ AM. 59. Dry warm day

*Rosa tomentosa* Red and White. *R.*

*arvensis* *R. glauca*, *Hypericum*

*humifusum*.

Observed *Vorticella polypina* on a  
*Conferva* found in the Lagan opposite  
the first lock where the water is salt  
every tide.

Also *Conferva genuflexa* in an old  
Brick hole at Strandmillis

25 Ther at 9 AM. 64½. Sunny day

*Robinia hispida* flow

Made a drawing of *Conferva aculeata*

26 Ther at 9 AM. 65. Brilliant day

27 Ther at 9 AM. 66. Brilliant day

*Spiraea salicifolia alba* F

Ther at 3 PM. 73 -

98

(92)

June 1808

28 Ther at 9 AM. 66. Brilliant day

Second sowing of Wheat shooting  
third in the shot blade

29 Very Warm

Brilliant day. Rd J. Dubourdiu re-  
-lates that in an Island in a small Lake called  
Lough Aghery, SE of Lisburn about 3 or

4 Miles, Herons (*Ardea cinerea*) contrary to their usual custom had bred on the ground, but about the year 1803 a parcel of Black headed Gulls (*Larus ridibundis*) drove off the herons and have continued to breed there since, And the Reverend John Dubourdieu is of opinion that the Moths of the cut worm (from his Description the *Phalena humili*) have diminished as he sees the Gulls in the Meadow before his house pursuing like Swallows and catching the Moths even until 11 o'clock at night and at a considerable distance he can hear snap of the Gull when it seizes a Moth (at this time

99

(93)

June 1808  
the Gulls may see the Moths as the nights are so light as to appear twilight throughout.)

30

Brilliant very

warm day.

Saw in possession of Mr Henry Bell a specimen off *Phalangium cancroides* Dun. 6. 215 which he caught in

the Lapping room

100

(94)

July 1808

1 Ther at 9 AM. 69 at 11 AM 76 at  
3 PM. 77. Brilliant day

2 Ther at 9 AM. 63 at 11 AM. 71 at  
2 PM. 72. Some cloud

Oats shooting in the Oak tree field

*Lonicera Periclymenum Carex interme-*  
*dia*, First sown Wheat, *Robinia pseu-*  
*-do Acacia* Fl. & *Ligustrum vulgare*

Found in a Marshy field on the South  
side of Strandmillis dam *Agrostis ca-*  
*-nina*, *Carex fulva* E. Bot 1295 and  
*Carex intermedia* in the Marshy  
hedge.

3 Ther at 9 AM. 62. Somewhat clou  
-dy but no rain

*Centaurea nigra*, *Scabiosa* & *Jacia*  
*Hypericum pulchrum* & *hirsutum*  
*Erica tetralix* & *cinerea* Fl.

Made a figure of *Conferva atra* E. Bot  
690 Dill Bri. Con. 11. Found growing  
on rotting sticks in the drain at the  
Rushy Bog yesterday.

(95)

July 1808

4 Ther at 9 AM. 62, at 3 PM. 61

Showers

Made a figure of *Phalona Psi* DunBrit In. 133 Found on the wall of the  
house yesterdayMade a figure of a New *Fucus* found  
in the Lagan among *Conferva flexu-*  
*-osa* June 24, 1808Also of a *Rivularia* found at in  
a drain in the Bog meadows along  
with *Conferva atra* July 2 - per  
-haps if not young plant of *R. confer*  
*-voides* it may prove *R. pisiformis*  
of Roth - Annals of Bot - I. 261

5 Ther at 8 AM. 60 Dark dry day

Saw a specimen of *Phalæna Betu**-laria* Dun Bri. In. 237 caught by

Mr Wm. Tennant at Mount Vernon

6 Ther at 9 AM. 61 Rain apparent

-ly to the South dark dry day here

Made figures of *Monoculs pulex*

*M. quadricornis Hydrachna* marked



thus on the back red, Found in the drain  
at the Rushy bog. also *Sirex* black with  
white bands on the abdomen.

*Patella Lacustris* on the *Sparganium*  
and *Potamogeton* in the drain at  
the rushes bog. I observed that a  
little after this it had descended a-  
gain to the bottom last year.

7 Ther at 8 AM. 63. Gentle rain in  
the Evening  
Found in the Saltmarsh near Knock  
Nagunny hill going to Hollywood  
C. Down

*Carex extensia*

-----*distans*

*Samolus valerandi* } In Fl

*Anagallis tenella* }

8 Ther at 9 AM. 62 - Dark dry day

(97)

July 1808

9 Ther at 9 AM. 60. Dark dry day

Examined a *Fucus* found on the  
Shore near Conswater on the 7th  
Found it to resemble *Fucus dassyphyl-*  
*-lus* very much but at the same time  
it was very like *F. Kaliformis*.

10 Ther at 9 AM. 64 at 3 PM. 67 Dark  
dry day.

11 Fine day went on a Journey to  
Larne  
*Hyoscyamus niger* almost out of  
Flower, on the road side about 1  
mile from Carrickfergus  
*Sinapis niger* common about Car-  
-rick

12 Fine day  
Left Larne for Glenarm I went  
by Sallagh Brays  
*Arenaria verna* every place on the  
rocks  
*Saxifraga hypnoides* On the Cairn

at

July 1808

at the top

*Geranium Lucidum* on Sallagh

Brays

*Agrostis pumila* on the pastures

*Epilobium angustifolium* on the

Rocks

*Prumis Padis* among the Rocks

of Limestone near the

Northern end

*Lichen saccatus* Same place

-----*apthosus* on the Moss in

many places

-----*hydatopus* Ach. Pre 129

On stones among water

which flows from under

the Limestone Rocks

Observed a remarkable Whin dyke

at the Northern termination of Sal-

-lagh Braes and might suppose

it a continuation of the one at

the Cave hill running in the

same direction Viz due North

105

(99)

July 1808

13 Fine warm day

*Triticum Caliacea* On the sandy

Ground on the shore

side near Carnallock

or long bay

*Salsola Kali* On the sands

*Rosa tormentosa* With a very large

Flower among the

Limestone Rock of the

North side of Glenarm

Bay

14 Very warm dry day

*Prunus Padus* } common in Gle

*Elapatorium* } -narm Great park

*canabinum* }

*Carex palescens* }

*Galium Boreale* Rocks at the

River

*Quercus sessiliflora* Appears to

have been the only

**106**

(100)

July 1808

kind of Oak which grew in the

Park.

Apparently 2 kinds of *Betula* in

the Park and other places about

Glenarm but whether one is *Betula*

*populifolia* I cannot positively say

Saw several of *Papilio Aglaja* Don Th. 602

in the park

15 Very warm dry day rain in

the afternoon.

*Pyrus aria* Common on the Rocks

of the little deer park

*Conferva purpurea* in a Cave at the head

-land

*Fucus clavillosus* with both sorts of Fruct

ification common about Glen

arm

-----*viridis*, common

-----*esculentus* common. The stipes

eaten by the People

-----*vesiculosus* gathered and scalded

for the food of Pigs

*Ulva palmata* Common

*Rivularia vermiculata*, Common

*Scandix Pecten* Common in Corn

107

(101)

July 1808

16 Heavy rain and thunder during

the forenoon

*Melampyrum sylvaticum* on the  
Road side, right side  
descending the hill com  
ing towards Larne -

*Schœnus rufus* on the Shore North  
of Ballygally head.

*Fucus coronopifolius* Found on the  
Shore about a Mile N -  
of Carn Castle

-----*punctatus* About the same

*Ulva laciniata* About the same &  
also at Glenarm

-----*Spongiosa* In pools at the  
black Cave

17 Very warm dry day

*Papilio edusa* Don. Bri. In. VII. pl.  
238 fig 2. & Vol.II. pl.43. fig.1.

Among the Furze and weed at the  
side of Larne River

*Sphinx Filipendula* Don pl.6

About the Grassy banks over tinka[?]

108

(102)

July 1808

near Larne in considerable Number

*Ulva* like *U. intestinalis* in Fruct

tification of Fl[obscured] in the sea.

- 18 Fine day but the sky with cathair  
clouds from which a Man in the  
Isle of Magee prognosticated wind  
or rain in the night following

*Rhaphanus maritimus* E. Bot 1643

About the Current of Larne near

Mr. McNeils Saltworks

*Fucus pinnatifidus* 13. *osmunda*

Tur. Syn.Fuc. 268

On the shores of the Isle of Magee

-----*Lorcus angustifolius* on the

rock near Browns bay

*Conferva rubra*, with innate granules

-----*setacea*

Dill. Bri. Con 82 E. Bot

1689.

Both the last on the shore of

the Isle of magee

*Fucus laceratus* a singular dark coloured

variety.

Shore near Larne

Fucus

109

(103)

July 1808

*Fucus mamillosus* a from ½ to ¾ of an

inch broad

On the shore of the Isle of Ma-

-gee

----- alatus B. Gemelin 25.3.

On the shore of the Isle of Ma-

-gee

*coccinous* In fructification

same place

110

(104)

July 1808

19 Very heavy rain all day from  
about 10 AM.

On our way home by the Moun-  
-tain road observed some very large  
thorns (*Mespilis Oxycantha*)  
about 2 or 3 miles from Carrickfer-  
-gus in a very high and exposed  
situation.

20 Heavy rain all the forepart of  
the day

21 Heavy rain during the most part  
of the day

*Spiræa tormentosa* Flowering

*Alcea rosea* Flowering

22 Heavy Shower about 4 PM.

*Gladiolus Cardinalis* Curt mag 135

Which has been out growing at the  
foot of the Western wall of the Green  
-house for 4 or 5 years in full Flower  
Some flowers were blown on my return  
from Larne

111

(105)

July 1808

23 Ther at 9 AM. 64. Cloudy and sunny  
dry

Limetree in Flower

24 Ther at 9 AM. 64 Wet forenoon  
Made a drawing of *Conferva setacea*  
which I doubt is confounded with  
[blank]

25 Ther at 8 AM. 63. A Slight Shower

26 Ther, at 9 AM. 66 at 2 PM. 70 slight  
Showers

White Lily, Orange Lily In Full Fl.

*Butomus umbellatus* Flowering

Made drawings of two *Confervæ*  
found in the pools at Glenarm  
on the sea Rocks

Suppose 93 *sericea* & 94 *C Borreri* E. Bot

1741

27 Ther at 9 AM. 64. at 3 PM. 72.

Showers going about

Made

112

(106)

July 1808

made drawings of *Conferva digitata*

See Fig 95 - also of Two Moths

see *Phalæna conica & Racuta.*

28 Ther at 8 AM. 63. Dry warm

day Wind Northerly.

People about Glenarm say the

whale of which the bones are

preserved at Glenarm Castle

was driven in about 17 or 18 years

ago that it was full 70 feet Long

and had Whale bone on its jaws

the one caught near Larne was

a young one of the same species

On my mentioning it to Mr John Bar

-clay that no Sea birds built on the

rock at Glenarm and some other

places along the shore which I

thought fitted them, he mention

-ed

113

July 1808

-ed the reason was that the water  
did not flow in to the foot of the  
rocks at all times, this remark  
I recollected to be in all cases well  
founded.

29 Ther at 8 AM. 63 some showers  
with dark clouds. and sunshine  
*Artium Lapper & Ballota nigra*  
Fl.

30 Ther at 8 AM. 66. at 3 PM 72  
Showers Cloudy and sunshine  
Observed that the Mildew has made  
considerable progress on the  
Wheat and also an other Fungus  
Red rust, (*Kecidium triticum* see  
my figure of this) on the leaves  
Flax very much spoiled with  
firing

114

July 1808

31 Ther at 8½ AM. 63. at 3 PM. 71  
Showers  
Made a drawing of the Red rust

of Flare, and also of the firing see  
the Figures.

The warm moist weather which  
has prevailed for the last half  
of July has I apprehend great  
-ly injured the wheat and Flax  
crop the Wheat in the highway  
field sown in the spring seems  
completely destroyed by the  
Mildew

The other day I observed 4 birds  
in Mr. Curtis dam near Dunmurry  
apparently Grebes, nearly the size  
of the common Waterhen, dark  
coloured with the fore part of the  
neck and breast White. From the  
view I got of them they appeared the  
Dusky Grebe of Pennant

115

(109)

August 1808

1 Ther at 8 AM. 65. Rain in the fore  
-noon

Quail calling, White throat, & Com  
Wren yet singing

2 Ther at 9 AM. 63 Dry cool day

Cloudy Wind almost North

3 Ther at 9 AM. 62. Ther 66 at 3 PM

rain in the Evening

*Scilla autumnalis Phlox pani*

*-culata.*

*Emberiza Citrinella* singing

Caught that rare Insect *Papilio*

*Cardin* Dun. In 292 in the Far

Plane saw one first in the Spring

Field

Made a figure of a *Jungermania*

found underwater in a Rivulet

among the Mountains going from

Larne to Glenarm July 12, 1808

4 Ther at 8 AM. 64 Rain during  
the night and mostly through the  
day

*Ceanothus americanus* Fl.

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(110)

August 1808

5 Ther at 8½ AM. 66. dry breezy morning

Ther at 3 PM. 70. Pleasant dry day

6 Ther at 8 AM. 64. Rain during the  
night - Ther, at 3 PM. 71

A Willow Wren singing

Saw several of the *Papilio Cardin*  
in the Plane, Spring Field &c  
*Merulius androsaceus & rotula* Com-  
-mon in the Alder grove and Planta  
-tion *Inula Helenium* Fl.

- 7 Ther at 8½ AM. 63. Gentle showers  
8 Ther at 8½ AM. 58. at 3 AM. 70  
Rain during the greatest part of  
the day  
9 Ther at 8 AM. 60 Breezy dry day  
10 Ther at 8 AM. 59. Pleasant dark dry  
day - Carnation now decorates  
the Florists parterre.

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August 1808

- 11 Ther at 9 AM. 63. Pleasant clear  
day  
*Aconitum uncinatum, Silphium*  
*purfoliatum & Rudbeckia lacini*  
-atum Flowering.  
12 Ther at 9 AM. 64. Rain at night  
*Hypericum prolificum* Flowering  
On examining the Lichens found du-  
-ring my Journey to Glenarm they ap-  
-pear to be the following

<i>Colluna fluviatile</i>	<i>C. hydaterpum</i> Ach
<i>Parmelia aquila</i>	2 Varieties
<i>Lichen impressus</i>	Dick. 4.23
<i>excavator</i>	
<i>carnosus</i>	E.Bot 1684
<i>digitalus</i>	Ach.188
<i>aphosus</i>	Ach.161
<i>saccatus</i>	Ach.165. E.Bot 288
<i>purcatus</i>	

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August 1808

- 13 Ther at 9. AM. 64. A shower in the middle of the day rest breezy and pleasant

*Papilio Atalanta*

Made a drawing of *Jungermania*

*decurrens*

Found among Bratamia [?] gathered at

Sallagh Braes. July 12

- 14 Ther at 9 AM. 62 Heavy showers throughout the day & Sunshine
- 15 Ther at 9 AM. 59 Heavy showers and Sunshine
- 16 Ther at 8 AM. 66 Showers with Sunshine

*Euphrasia Odontites* Flow and  
and *Lilium superbum*

17 Set off for Newry in order to meet  
Dr. Stokes and Mr Mackay  
who came from Dublin in  
order