

Templeton Journal 1811 Fiche No 2

27 June to 31 December

62 pages, 6303 words

PDF DAY MONTH/YEAR JOURNAL PAGE

1 27 Ther at 8½ AM. 65. Brilliant

day

Rosa arvensis }

Campanula latifolia }

Cabbage Rose } Flow

Medicinal }

[unclear] }

28 Ther at 9 AM. 68. Brill

liant Ther at 3 PM. 76.

Common Orange Lily

Meadow Sweet

29 Ther at 8 AM. 63. Brilliant

day

30 Ther at 8 AM. 70. Brilliant

day

Rail calling

July

1 Ther at 9 AM. 68. Brilliant

day

Butomus umbellatus. Flow

Hypericum pulchrum

2

July 1811

2 Ther at 8 AM. 62. Dark
cloudy day much dust Flying

Hypericum pulchrum }

Potentilla reptans }

3 Ther at 8 AM. 57.

Short Corn shooting.

Received from M^r W Simmon

Asteria sphaerulata Bri Zoo No 63 }

----- *lacertosa* Bri Zoo No 62. }

Millepora calearia }

Found near Carrickfergus on

[blank]

4 Ther at 8 AM. 57. Fine day

Went to the White house

Caught a small specimen

of the *Gasterosteus spinachia*

and saw several of a larger

size swimming about

Found imbedded under a light

covering of sand, that curious

animal

3

animal the *Bulla Aperta*

which shows the propriety
of the *Vermes Testacea* by the
Animal and not by the shell
in this Animal see the Fi
-gure the shell seems to form
merely a shield on the back
of the Animal.

Sertularia imbricata Lin Tran

5. p11.Tab2. fig 5-11

in plenty.

----- *dichotoma* Ellis Cor

pl.12 p.e C. & pl.38 p.3.

Conferva ampullacea. see fig AB

in a very curious state

Several minute shells among

which were [blank]

4

July 1811

5 Ther at 8 AM. 63. Fine

day (Black Mare)

6 Ther at 8 AM. 61. Fine

day

Gallium verum Flow

7 Ther at 9 AM. 64. Fine

8 Ther at 8 AM. 64. Fine

Lysimachia vulgaris Flow

9 Went to Shanes Castle

Serratula arvensis Flow

Found the earth on the
top of the Wall at Shanes

Castle domain had plants

of *Draba verna* in a with

-ered

5

July 1811

-ered state

Found also in the Rough hed

-ges between Antrim and

Shanes Castle in several

places. *Rosa Eglantheria*

with the flowers exactly

like the cultivated kind

Got at Shanes castle a

plant of *Chrysanthemum*

Indicum Album.

Crassula

Xyris Ceratoides Slips of

On the Shore of Lough Neagh

Salix

Heavy Showers With

Thunde. - Clouds and very
warm blinks

6

10 Went from M^r Charles
Dickeys of Randlestown
where I slept last night
to see Lough beg and
Raymond Cottage.

Papilio Argus } Flying about

Libellula grandis }

Avena Flavescens Common

in the Lawn

of Raymond

Cottage

Rubus Caesius Several plants
among the Com
mon Brambles
on the Shore
of Lough Beg
along the shore
about half a
Mile South of
the

7

July 1811

the Cottage.

Warm day with Clouds

11 Cloudy day with Sun

-shine

Returned from Randles-

-town. On our way break

-fasted with Mr Cooper

Received the following

plants from him

Convallaria polygonatum

Cerastium tomentosum

Lychnis Flos Cuculi plena

12 Ther at 8½ AM. 64. Some

Gentle showers

13 Ther at 8 AM. 61. Fine day

Spiraea tomentosa

8

July 1811

14 Ther at 8 AM. 61.

Squally with heavy showers

15 Ther at 8 AM. 59.

Cloudy and bright

16 Ther at 9 AM. 61

Showers

17 Ther at 8 AM. 60 Wet with

Thunder

18 Ther at 8 AM. 58. Wet and
dry

Currants and Early Green

Gooseberries ripe

19 Ther at 8 AM. 60. Showery

20 Ther at 8 AM. 61. Showery
day

Nartheicum ossifragum

9

July 1811

21 Ther at 9 AM. 67. Fine
day

22 Ther at 8 AM. 60. A
Gentle shower

23 Ther at 9 AM. 60 Fine day

Convolvulus sepium

Lysimachia Ephemeron

----- *bulbiferum*

24 Ther at 8 AM. 58.
Mr McSimmon visited
me this Morning and in
formed me that the Fish
-ermen frequently find that
a Dogfish after being brought

into

10

July 1811

into their boats frequently
cast forth from 46 to 50
young.

They caught a few nights
before this date three of the
Stinkards, Smooth Hound
or *Squalus Mustelus* of the
length of 5 feet

25 Ther at 8 AM. 64 a slight
Shower threatening rain
all day

Gladiolus Cardinalis

26 Ther Fine
day.
Rail calling.

11

July 1811

27 Ther at 9 AM. 64 Gentle
Rain in the Evening.

28 Ther at 9 AM. 65. Trifling Sh.
Muscicapa grisola in
the Alder Grove.

29 Ther at 9 AM. 61. Dry

Fine *Oenothera biennis* } Fl

Fuschia coccinea }

Quail calling

30 Ther at 8 AM. 62. Fine

day

Rail calling

31 Ther at 9 AM. 65. Fine

day

12

August 1811

1 Ther at 8 AM. 59 Trifling

Showers

2 Rain in

the Evening

3 Ther at 8 AM. 56. Fine

day

Hydrangea Arborescens } Flow

Lilium Chalcedonica }

Yellow hammer } singing

Willow wren }

4 Ther at 8 AM. 57. Fine day

and heavy Showers

Sylvia Trochilus } Singing

Tetras Coturnix } Calling

Rallus Crex }

Spent the day at Mr John

Sinclair's Garden in the

Falls

Serapias Latifolia flowering

13

August 1811

5 Ther at 8½ AM. 60. Slight

Shower in the forenoon

Made a figure of *Phrygania*

nigra caught at Mr Sinclair's

Perch Pond. The Character

of it should be

Black P. with the joints of

of the antennae and legs

alternately black and white

Made also a figure of the *Hy*

-dra Found on a leaf

of *Alisma Plantago* in the

Orchard Pond

In observing it I was greatly

surprized to observe the power

with which a *Hydro* held an In

sect like a *Nais*, that to

appearance

appearance was much larger
 and stronger than itself, but
 what surprized me even more
 than the strength of the *Hy*
-dra was its seeming power
 of directing its arms to the
 object which was within its
 reach, when the Insect came
 near, two *Hydras* extended
 their arms to catch it, and
 held it fast.

Ceanothus Americanus } Fl

Hydrangea Arborescens }

6 Ther at 9 AM. 56. Shower
 or two

7 Ther at 8 AM. 55. Some
 Showers.

August 1811

10 Ther at 8 AM. 55. Dry

11 Ther at 9 AM. 57. Showers
 at night

Gentiana asclepiadea

12 Ther at 8½ AM. 56 Wet at

Night.

13 Ther at 9 AM. 57. Wet early

in the Morning

Phlox paniculata Flow

14 Ther at 8 AM. 57.

Went to Carrickfergus

Near Carrick on the Shore

found a a Specimen of the

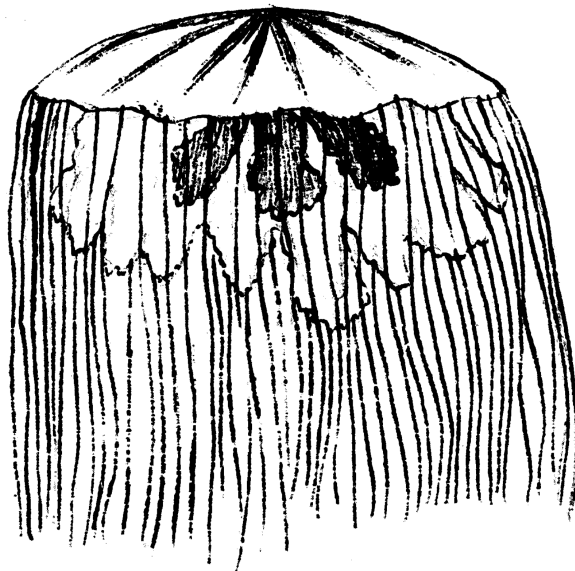
Medusa capillata had

this

16

Sketch which will convey an

Idea of it



Pileus nearly transparent with

fuscous rays, rigid arm under

-neath, surrounded by a lacini

-ated membrane and nume

-rous marginal tentaculæ

-rous marginal tentaculæ

17

15 A trifling Shower

Went to the Glens of Wood-

-burn river, observed the same

green sand underneath the

Limestone as appears in other

parts of the range of hills.

in this place there appears

a greater quantity of Marine

exuviae.

Pectens, Cardii, with *Ano-*

-mia Gryphus, A. lacunosa

See Figure

Anomia nucleus Smooth

nearly globose on valve

projecting at the hinge.

Several of *Libellula Grandis*

in the Glen apparently in

a torpid state as they suf-

-fered

18

-fered themselves to be caught

with the hand without attempt

-ing to escape.

Epilobium angustifolium

in plenty in the Northern

Glen

Lichen laetivirens } On Rocks in

sylvaticus } the Southern

Glen

Conferva

Scabiosa Succissa Flowering

Went to see a fishing boat

arrived

Found they fishers had caught

A John Doree and a

Lesser Spotted Dog-fish

16

19

16

Walking along the shore below

Carrick where the fishermen

spread their nets I found a

Piked dogfish (*Squalus Spi-*

nax) of a uniform brown

grey and not far from it

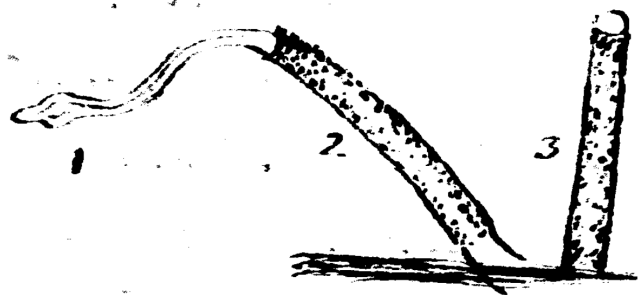
a young one of about one
foot long with sides having
the ovate white marks as
represented in Donovans
figure

In the Evening walking on
the sand at Low water I obser-
-ved small tubes raised about
 $\frac{3}{4}$ of an Inch above the sur-
-face on Raising some of
them I found they were

inhabited

20

by a small reddish worm
which moved itself out of the
tube in some saltwater



1. The appearance of the worm
as it extended itself from
the lower end of the tube, 2.

3. the appearance of the tubes
as they projected from the
sand

Shrimps bury themselves even
with the surface of the sand
from which their colour is not
different. in this situation they
lye quietly until embraced

with

21

with the finger and thumb

Conferva

17

Went to a fishing boat which
arrived in the Morning, found
taken mostly *Pleuronectes*

Platessa, some *P. Solea*, two

P. Rhombus and one *P. Liman*

-da

After Breakfast went to a

Stratum of the green sand

to which M^r. O'Birne and

I was directed by Mr Thomas

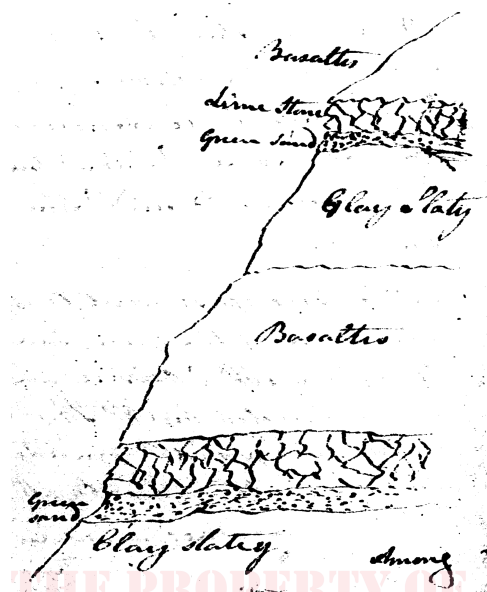
Miller, it was at a conside

-rable elevation, and to all
appearance accompanied

with

22

with the same strata as if
it was below but the pecu-
-liarity of this was that it
was evidently a second
layer above the Basaltes

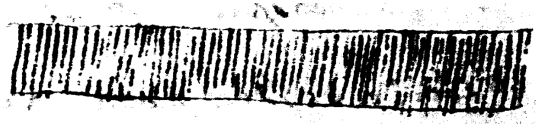


Among

23

Among this sand there was Lamel-
-lated apparently calcareous
matter which I at first took
for the remains of a *Peisera*[?]
but on examining it I found
the grain to run transverse

which I believe is not the
case in any shell



there was also several of the

Echinus

Anomia Gryphus

Lacumosa

nucleus

Pecten varius

Cardium laevigatum??

24

18

Sailed for the Copeland Isles

had a dredge in the boat

Which brought up

Cancer Phalangium Bri. Zoo. 17

minutus Bri. Zoo 2

Tetrodon Bri. Zoo. 15

Asper Bri. Zoo 20

Asterias 1 *papposa* Nat His 418

2 *violacea* Bri. Zoo. 56

3 *Ophiura* Bri. Zoo. 62

the rays of this were of

3½ or 4 inches long

4 *Sphaerulata* Bri. Zoo. 63

These two last have their

rays so brittle that it

is difficult to preserve

them uninjured

5 *rubens* Barbest Gew

Verm. tab.10.p.4

25

Several Specimens of *Myti-*

-lus Modiolus. Pecten varius

Mya inequivalvis. Mon. Shells

No. 7. pl. 26.p.7

Arca nucleus. Mon shells. No. 5

Venus Gallina. Lin Tran.8.

Solen pellucidus. Bri. Zoo. 23.

Tellina ferroensis Lin Tran. 8. No

Bri. Zoo. No. 31.

Aphrodita clava See Figure

Neries

Alcyonium digitatum

A.

Ascidia

Cyclopterus bimaculatus

two Specimens. One of which

had no spots on the sides but

resembled

26

resembled the other in every

Respect.

On Landing on the Copeland

Isle I found

Alisma Ranunculoides

Samolus valerandi

Anagallis tenella

[blank]

Actinia depressa. On the

rocks at Dandy bay

Found at the edge of a Cornfield

on the Light house Isle what ap-

-pears to correspond tolerably well

with the *Festuca uniglumis*

Flo. Bri. 118. E. Bot. 1430

Sterna Hirundo in Numbers

a few young not able to fly

on the Main Isle

27

19 Showers

Made some sketches of the

Molluscae

Mr. Newton whom I met

with at M^r Hidley Carrick

says that in Coagh River

where he lives they catch

Flounders.

20 Showery and Stormy

Returned home

Lilium superbum Flowering

21 Ther at 9 AM. 55 A Misty

Shower

22 Ther at 8 AM. 62 Fine Day

Sheering Oats.

28

August 1811

23 Ther at 8 AM. 59. Dry day

Colchicum variegatum Fl

24 Ther at 8 AM. 60. Soft

Rain.

25 Ther at 8 AM. 60. Wet and

dry

Robt. found in a puddle on the Or-

-chard field road what appears *Ascaris*

Vermicularis.

26 Ther at 8 AM. 54½. A few

Showers

27 Ther at 8 AM. 54½. Small

Showers

28 Ther at 8 AM. 57 Dry day

[29 no entry]

30 Ther at 8 AM. 54. Trifling

Showers

29

August 1811

31 Ther at 8 AM. 61. Some

Showers

Found fine Specimens of *Lichen
pixdatus* at the Crow Glen at the
Wolf hill with *Dicranum*
and *Jungermannia angulosa*

September

1 Ther at 8 AM. 56 Wet in
the Morning

Red *Chelone Chelone obliqua*
Flowering.

2 Ther at 8 AM. 52. Very fine
day

3 Ther at 8 AM. 57

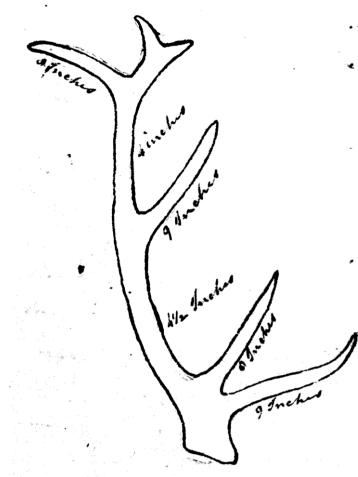
Woodlark singing

Quail calling

30

September 1811

- 4 Ther at 8 AM. 57. Fine
day
Swallows Congregating
- 5 Ther at 8 AM. 57. Fine
- 6 Ther at 8 AM. 57. Fine
Observed a Comet about 20° above the
horizon nearly due North.
Quail calling
Found *Medusa cruciata* at Conns
Water
- 7 Ther at 8 AM. 57. Fine
day
Went in Company With
Dr. Bergier. Geologist
Mr W^m Tennent
Rob^t Tennent Sen^r
Henry Tennent
and Miss Jane Tennent
With M^{rs} . Templeton
Ellen & Rob^t· to Col-
lin Glen.
By the way caught Papilio
Adusa. The Clouded [indistinct] Don Bri. In. pl. 43 & 238.



A Horn Found in a Quarry near
the top of Slieve Donard in pos-
-session of George Lewis Esq^r. at
Newcastle. Copied from a Draw-
-ing of D^r. Berger

- 8 Ther at 8 AM. 53. Fine
Found *Sparganium sim-plex* at Beers Bridge Mill
-dam.
- 9 Ther at 8 AM. 54. Fine
Today Ellen brought me
a Caterpillar of *Phaleroe*
Pisi Don Bri. In pl 52
A White Throat (*Sylvia*
in the Orchard Field
- 10 Ther at 8 AM. 57. A Hea

vy Shower of Rain about 8
PM. a bright day till
about 3 PM.
Went in the [obscured]
See M^r J. [obscured]
Gem by means of [obscured]
Oxigynated Muriatt of [obscured]

34

September 1811

11 Ther at 8 AM. 63 Fine
day

12 Ther at 8 AM. 56. Fine
day Misty in the Morning
and at Night in the Valleys
Comet very bright.

13

Same kind of Misty Morning
and Evening with Brilliancy
in the Middle of the day

14 Ther at 9 AM. 58 at $\frac{1}{4}$
PM. 70. Fine day
About 3 PM Went off for
Bangor in Company with
Mr W^m. Joy arrived at Bangor
about

8 PM. Betwixt 9 and 10 it
 being dark went to the shore
 to look for the Animals which
 render the sea Luminous.
 Found that when agitating
 the Water with the hand light appeared
 and on disentangling sea
 Weeds cast out by the Waves
 Luminous specks appeared
 in parts among them, but
 when brought into a house
 to the light of a Candle no
 -thing could be discerned
 to which the Luminous ap
 -pearance could be attri
 -buted

15 Fine Warm day

Papilio Algeria

P. Brassica

found about Grooms Port.
 On the shore of Ballyholme
 Bay we found the following
 Shells.

Solen Ensis

pellucidus

Tellina inaequalis

fragilis

Verius Scotica

fasciata

Erycina

Arca Glycineris

Cardium laevigatum

On the Eastern extremity of Ball

-holme bay I found growing

Salicornia herbacea 8fm Fl.

Bri. p.2. and *Chenopodium*

maritimum Sm Fl. Bri. 278 with

the seed nearly ripe

On

37

September 1811

On arriving at Miss Templeton's

Lodgings on our return to Ban

-gor I found that the Acti

-nia crassicornis which I

had left in a Basin of sea

water had expanded, and I

observed that it protruded

an inflated membrane which
evidently gives it the feature
of transporting itself to differ-
-ent places by floating off
with the currents from one
station to another see my
Figure

17 Fine day

Walked with Mr [obscured]
to Ballyholme bay saw on
the

38

September 1811
the Rocks on the Western
extremity of the Sandy shore
a great many of the *Actinia*
Dianthus, and in one of the
little pools a seeming variety
of the Olive striated one found
in the 16th. This one had the
same Olivaceous striated body
but the tentaculae were of a
beautiful pale green with
rose coloured tips answering
in this respect to *Actinia Ce-*

-reus, but as these animals
appear to vary in their colour
I suppose this only a vari-
ety of the first mentioned

I saw

39

I saw at a Fishermans house a
Hake (*Gadus Merluccius*) Grey
Gurnard (*Trigla Gunardus*)
Dabs (*Pleuronectis Limanda*)
Plaice (*P. Platessa*) and (*P. Wu-*
-sus caught last night
Saw from the Rocks near Ban-
gor a Gull exactly resembling
the Great black backed Gull
(*Larus Marinus*) it was how-
ever less black on the back
and its size appeared to be only
about that of the Common
Gulls (*Larus camus*) which
were flying in company
with it. It was probably
the lesser Black backed Gull
of Montagu's Ornithological

dic

-tionary.

Saw on the Rocks this day

an *Actinia* with pale ten

-taculae having rosy bands

probably it is the *actinia*

Equina as the tentaculae

appeared more slender than

the *crassicornis* which it

much resembled

Saw a Specimen of the *Pecten*

pusio found by Miss O. Woffendon

A Large 5 rayed Starfish (*As-*

-terias rubens) another with

14 rays (*Asterias papposa*)

lying with an *Echinus Es-*

culentus in a Fishing boat

September 1811

18 Fine day

Left Bangor to return home

Found on the shore at Crawfords

Burn bay specimens of *Area*

nucleus

19 Ther at 8 AM. 56. Fine day

- 20 Ther at 8 AM. 57. Heavy
Shower at with a great deal
of Lightning
- 21 Ther at 9 AM. 57. Fine day
Examining the Marine Plants
Found *Conferva aurea*

Melagonium

Paradoxa

Tetrica

rosacea

Borrei

Conferva

42

Conferva Byssoides

Scoparia

ampullacea

Fucus corneus

coronopifolius

acicularis

bifidus

Ulva plumosa

- 23 Ther at 8 AM. 55 Heavy Show
-ers with squalls
- 24 Ther at 8 AM. 46 Fine day
Rain at Night

Some Swallows still to be
seen.

Woodlark singing.

25 Ther at 8 AM. 52. Very
Wet day

43

26 Ther at 8 AM. 42½. Cool dry
day

Wood Lark Singing

Observed no Swallows

27 Ther at 8 AM. 46. Dry day
Several Swallows

28 Ther at 8 AM. 49.

Papilio Aegeria

Brassica

Moegera

Phloeas

29 Ther at 8 AM. 47. Fine day
A heavy Shower at Night

30 Ther at 8 AM. 57. Fine day
Rain at Night

44

October 1811

1 Ther at 8 AM. 54 A Shower
No Swallows to be seen

- 2 Ther at 8 AM. 54.
Aster Tradescanti Flow
Papilio Egeria and *Moegera*
 still flying about
- 3 Ther at 8 AM. 49. Fine day
 Rain at Night
- 4 Ther at 8 AM. 53. Very
 Wet afternoon
- 5 Ther at 8 AM. 59 Very Wet
 day
- 6 Ther at 8 AM. 57 Dry day
 Great Floods.

45

- October
- 7 Ther at 8 AM. 59. Very Wet
 from 10 AM to 3 PM. afterwards
 a fine Evening
 Common Lark and Robin
 Singing
- 8 Ther at 8 AM. 56. dry day
 some trifling showers
- 9 Ther at 8 AM. 60. Dry
 A few drops of Rain
- 10 Ther at 8 AM. 57. Very
 Fine day Heavy Rain at Night

11 Went at One O'clock to a
Meeting of the Catholics of
the County of Antrim and
was highly delighted with

46

the Liberality of Sentiment
apparent at the Meeting
the Catholic and Protestant
speakers each congratulated
the other on the decay of Bigotry
and the happy Union of State
for the purpose of that great
object a parliamentary Re-
-form.

11 Ther at 8 AM. 58. Fine
day
Comet southward of the
last star in the Bear's
Tail

12 Ther at 8 AM. 56. Heavy
showers. Very Windy Night

47

October 1841

13 Ther at 8½ AM. 51.
Bright dry Morning, blowing

hard. Dry day Calm towards

Evening.

Mr McScimmon told me

some days ago (Sep^t. 12 1811). That at Mr

Sedlies Mills near Antrim

their was taken in the pond

on the [blank] of [blank] 7C^t Weight of

Lough Neagh Trout.

Mr Sinclair having been at

Shanes castle River Fishing

for some day related to me

that he met with several

Trout and Salmon which

had round and deep wound

in them caused by the Lam-

-preys

48

preys, the Fish seem greatly

plagued by the Lampreys, and

often rise out of the water with

the Lampreys fixed to them

and seemingly in great pain,

but notwithstanding their

utmost endeavours their

enemy was generally not to

be disengaged

- 14 Ther at 8 AM. 52. Slight
Misty Rain
Found along the Ferns at the
side of the Crab Tree Field path
Agaricus Cossus Sow. Fun 121
Stem nearly solid, Gills fixed 13
in a Series, cuticle of the pileus
peeling of, whole an Ivory white
Lower part of the stem covered
white down

49

October 1811

15. Ther at 8 AM. 62. Fine dark
day with some Wind.
Caught on the path at the
side of the road a Small Speci
-men of the *Lacerta Vulgaris*
Lizard with the fore feet 4 toed
hind feet 5-toed, middle of the
back yellow banded with brown
and two black lines running
quite to the tail.



16 Ther at 8 AM. 57. Very Fine
day

Aster grandiflora } Flowering

Clematis cirrhosa }

50

17 Ther, at 8 AM. 57 Fine day

Wagtails come

Saw Six Wood Larks Sing

-ing and Flying at the

Same time.

18 Ther at 8 AM. 57 Fine day

19 Ther at 8 AM. 53 Fine day

Made a drawing of *Helix Ceba*

a West Indian Shell dredged up at

Carrickfergus. Received from Mr T. Miller

20 Ther at 8 AM. 60. Fine day

21 Ther at 8 AM. 50½ Heavy

Showers with squalls

22 Ther at 9 AM. 50 A Trifling

Shower

51

October 1811

23 Ther at 8 AM. 47. Wet day

24 Ther at 8 AM. 36. Hoar frost

on the Grass

Wet the greater part of the

day dry Evening

Received a *Haliotus tubercu*

-latus dredged up in

County Down shore near

Groomspout.

25 Ther at 8 AM. 33. Fair

Morning. Hail and heavy Show

-ers, and stormy wet night

26 Ther at 9 AM. 39. Wet Morn

-ing

Turdus Iliacus found

27 Ther at 8 AM. 45. Some

Showers

52

28 Ther at 8 AM. 44 Some

Heavy showers

Received a Drawing of the

Chama Cor from Mr George

Joy taken by him from a

Specimen dredged up at

Bangor.

- 29 Ther at 8 AM. 50 Fine
day
- 30 Ther at 8 AM. 46. Fine
with a trifling shower about
6 PM
- 31 Ther at 8 AM. 43. Fine
fore part of the day Wet and
Stormy at Night

53

November 1811

- 1 Ther at 9 AM. 54. Fine Morn
-ing rain at Night.
Murea domestica minor in
great crowds in the Crevices
about the windows, and as
the sun shone on the Windows
they came out of their hiding
places and appeared to enjoy
themselves
Alaudra Arvensis singing
- 2 Ther at 8½ AM. 48. Fine
day
Saw the first Woodcock
Crocus nudiflorus Flowering

3 Ther at 8 AM. 46. Fine day

Rain at Night

4 Ther at 8 AM. 43. Dry

day

Larks and Robins singing

54 [Repeat of 52]

55 [Repeat of 53]

56

November 1811

5 Ther at 8 AM. 42. Dry

cold day after a Very Stormy

Night.

Mr Henry Tennent having

gone on board the Ferry

to sell for Liverpool suf

-fered while lying at Anchor

in the Lough all the tossings

of the billows.

6 Ther at 8 AM. 44. Dry day

Stormy night

7 Ther at 8 AM. 40 Dry

8 Ther at 8 AM. 34 Dry

dark with the Wind Easterly

9 Ther at 9 AM. 46. Wet day

57

November 1811

10 Ther at 9 AM. 48. Very Wet
day

The Chesnut Trees have
ripened a good deal of Fine
Nuts which are now daily
falling.

11 Ther at 8 AM. 48. Some
heavy Showers

12 Ther at 8 AM. 39 Fine
Morning Wet from 3 PM

13 Ther at 8 AM. 42. Fine day
Wet Night

14 Ther at 8 AM. 48 Wet at
Night and Stormy

58

November 1811

15 Ther at 9 AM. 42 Very Stormy
Night great squalls and heavy
Showers through the day and
Night

16 Ther at 9 AM. 43. Heavy
Showers with great squalls
Calm towards the Evening

16 [Error = 17] Ther at 9 AM. 46 Pleasant

day with only a few drops of

Rain

17 [Error = 18] Ther at 9½ AM. 48 Fine

19 Ther at 8 AM. 37 Fine

Saw the first Flock of Field

fares

20 Ther at 8 AM. 38 Fine

day

Found in Belvoir Wood

Clavaria Corolloides in plenty

and a Bright dark purple *Agaric*

59

November 1811

21 Ther at 8 AM. 42 Some

Slight Rain in the Even

-ing

22 Ther at 8 AM. 46 A Trifling

Shower or two

Saw a Mouse caught at Mr

Leggs Fowl house, having a

streak of pure White running

down the back and a trans

verse band over the fore and

hind thighs.

23 Ther at 8 AM. 35 Fine

day

Put in the Green House

plants

24 Ther at 8½ AM. 44. Slight

Misty Shower

25 Ther at 8 AM. 45. Fine dry

60

November 1811

26 Ther at 8 AM. 45. Fine

Achillia Millefolium

Senecio Jacobea

Ilex Europea

Brassica Campestris

Chrysanthemum segetum

27 Ther at 8 AM. 43 Fine

Thrushes singing

28 Ther at 8 AM. 47. Fine day

A broom in Flower Wren & Thrushes

singing

Planted the following trees

Receive from Mr Harvey

No. 1. Golden drop plum

2 Drop d Or

3 Prune Swiss

4 Blue Perdrigon

- 5 St. Catherine
- 1 Cuisse Madame Pear
- 2 Jargonelle
- 3 Colmar

61

November 1811

- N1 Golden drop at the Corner of the Orchard near the Green
- Gage at Quercus
- Esculus
- 2 St Catherine In the Larch grove
- 3 Blue Perdrigon Uppermost in the Raspberry bed.
- 4 Prune Swiss Lowermost
- 5 Drop d Or East of the Berge -mot Pear beside the [obscured]
- 1 Jargonelle Pear Upper of the Pear in the Raspberry bed
- 2 Cuisse Madame Middle
- 3 Colmar - - lowest
- 1 Jargonelle Pear Upper [obscured]
[obscured]
[obscured]

2 Cuisse Madame [obscured]

3 Colmar - - [obscured]

62

November 1811

29 Ther at 9 AM. 47. Fine day

30 Ther at 8 AM. 46. Two or

3 trifling Showers

December

1 Ther at 9 AM. 52. Stormy

Night and day

[The following section has already been checked against

the original in *The Philosophical Magazine*, Series 1, Vol.22, 1804, 284

which is itself part of a report under the general title 'Botany']

'Butomus Umbellatus'

'Meal has been prepared at Pe-

-tersburgh from the roots, and

bread baked of it. We are informed

that the meal in kneading has

all the properties of common

Meal. The dough rises very

easily when leaven is added

to it; and bread is very little

inferior

63

inferior in colour, taste, and smell

to wheaten bread; the only dif-
-ference is, that it is not so tough,
and breaks readily, in consequence
of the fine fibers of the roots which
remain in it, and it has also a
little bitterness.'

Tillocks Phi. Mag. 22. 284

[The following article has been checked against the original:

Carlisle Esq. F.R.S., Anthony:

'On muscular motion, being the Croonian Lecture

Read before the Royal Society November 8th, 1804'

is taken from:

The Philosophical Magazine, Series 1, Vol.23, 1805, 217 to 223.]

On Muscular Motion. By

Anthony Carlisle Esq.

Animals of the Class Mammalia

which hybernate, and become

torpid in Winter, have at all

times a power of interesting under

a confined respiration, which

would destroy other animals

not having this peculiar habit.

In all hybernating

Mammalia there is a peculiar

structure of the

heart, and its principal Veins

the superior cava divides

into

64

into two trunks; the left, passing

over the left auricle of the heart,

opens into the inferior part of

the right auricle near to the

entrance of the Vena cava in-

-ferior. The veins usually cal-

-led azygos accumulate into

two trunks, which open each

into the branch of the vena

cava superior on its own side

of the thorax. The intercostal

Arteries and Veins in these Ani-

-mals are unusually large.

This tribe of Quadrupeds have

the habit of rolling up their

bodies into the form of a ball du-

-ring ordinary sleep, and they

invariably assume the same

attitude when in the torpid

state: the limbs are all folded

into the hollow made by the

bending

65

bending of the body; the clavi-
cles, or first ribs, and the sternum,
are pressed against the forepart
of the neck, so as to interrupt
the flow of blood which supplies
the head, and to compress the
trachea: the abdominal viscera
and the hinder limbs are push-
ed against the diaphragm, so
as to interrupt its motions, and
to impede the flow of blood
through the large vessels which
penetrate it, and the longitu-
dinal extension of the cavity
of the thorax is entirely obstructed.
Thus a confined circulation of the
blood is carried on through the
heart, probably adapted to
the last weak actions of life,
and to its gradual recommence-
ment.

[Page 218 Missing: line 5 to line 28 of *The Philosophical Magazine*]

influence of the nerves, or to the temperature of the muscles themselves, is doubtful; but the known influence of cold upon the sensorial system, rather favours the supposition that a certain temperature is necessary for the transmission of nervous influence as well as sensation. The hibernating animals require a longer time in drowning than others. A full grown Hedgehog was submersed in water at 48° , and firmly retained there: air bubbles began instantly to ascend, and continued during four minutes: the animal was not yet anxious for its liberty. After 7 minutes it began to look about; attempting to escape; at ten minutes it rolled itself up, only protruding the snout, which was

hastily

hastily retracted on being touched with the finger, and even the approach of the finger caused it to retract. After 15 minutes complete submersion, the animal still remained rolled up, and withdrew its nose on being touched. After remaining 30 minutes under water, the animal was laid upon flannel, in an Atmosphere of 62°, with its head inclined downwards, it soon began to relax the sphincter muscle which contracts the skin, slow respirations commenced, and it recovered entirely, without artificial aid, after 2 hours. Another Hedgehog submerged in water at 94, remained quiet until after five minutes; about the eighth minute it stretched

stretched itself out, and expired

at the tenth. It remained re-
-laxed and extended after the
cessation of the vital functions;
and its muscles were relaxed,
contrary to those of the animal
drowned in the colder water.
The irritability of the heart is
inseparably connected with
respiration. Whenever the in-
-haled gas differs in its pro-
-perties from the common at-
-mosphere, the muscular and
sensible parts of the system
exhibit the change; the ac-
-tions of the heart are altered
or suspended, and the whole mus-
-cular and said sensorial systems
partake of the disorder:
the temperature of animals, as
before intimated, seems altoge-
ther dependent on the respira-
-tory

tory functions, although it still
remains uncertain in what man

-ner this is effected.

The blood appears to be the medium of conveying heat to the different parts of the body; and the changes of animal temperature in the same individual at various times, or in its several parts, are always connected with the degree of rapidity of the circulation. It is no very wide stretch of Physiological deduction to infer that this increased temperature is produced by the more frequent exposure of the mass of blood to the respiratory influence and the short time allowed in each circuit for the loss of the acquired heat.

The

70

The blood of an Animal is usually coagulated immediately after death, and the muscles are contracted, but in some pecu-

-liar modes of death, neither
the one nor the other of these
effects is produced: with such
exceptions, the two pheno-
-mena are concomitant.
A preternatural increase of
animal heat delays the
coagulation of the blood, and
the last contractions gradual-
-ly disappear before any
changes from the putrefaction are
manifested; the cup in the co-
-agulum of blood does not relax
in the same manner; hence
it may be inferred that the
final contraction of muscles
is

71

is not the coagulation of the
blood contained in them; neither
is it a change in the reticular
membrane, nor in the blood ves-
-sels, because such contractions
are not generally through out
those substances. The coagu-

-lation of the blood is a certain
criterion of death. The reiteration
of visitations of blood are
not essential to muscular irritability,
because the limbs of animals, separated from
the body continue for a long
time afterwards capable of
contractions and relaxations

The remarkable effects of crimping
fish by immersion in water, after the usual
signs of life have disappeared, are
worthy of attention, and whenever
whenever

72

whenever the rigid contractions
of death have not taken place,
this process may be practised
with success. The Sea fish,
destined for crimping are usually
struck on the head when caught,
which it is said contracts the term
of this capability; and the muscles which

retain this property longest

are those about the head.

Many transverse sections of the Muscles being made, and the fish immersed in cold water, the contractions called crimping take place in about five minutes; but, if the mass be large it often requires thirty minutes to complete the process.

Two Flounders, each weighing 1926 grains, the one being in

a

73

a state for crimping, the other dead and rigid, were put into water at 48° , each being equally scored with a knife. After half an hour the crimped fish had gained in weight 53 grains, but the dead fish had lost 7 grs. The specific gravity of the crimped fish was greater than that of the dead fish; but a quanti

ty of air bubbles adhered to
the surface of the crimped mus-
cles, which were rubbed off be-
fore weighing: this was not
inflammable gas.

The Specific gravity of the
crimped fish ---1.105

Of the dead fish after an
equal immersion in water 1-090

So that the accession of water,
specifically lighter than the
muscle of fish, did not dimi-
nish

74

-nish the specific gravity of
crimped muscle, but the con-
trary, a proof that condensa-
tion have taken place.

A piece of Codfish, weighing 12lb
gained in crimping, 2 ounces
avoirdupoise; and another less
vivacious piece, of 15lbs, gain-
ed one ounce and a half.

The Amphibia, and Coleopte-

-rous insects, became torpid
at 34°; at 36° they move slowly,
and with difficulty; and at
a lower temperature their
muscles ceased to be irritable.

The Muscles of warm blooded
Animals are similarly af-
-fected by the cold.

Tillock Phi. Mag. Vol.23, 217
to 223

75

December 1811

- 2 Ther at 8 AM. 30 Stormy
dry day
- 3 Ther at 8 AM. 44. Stormy day
Sleety Showers
- 4 Ther at 8 AM. 34. Mountains
White half way down. A
Stormy day with heavy show-
-ers of small hail from 7AM
whitening the ground.
- 5 Ther at 8 AM. 28. Snow
lying about 2 inches deep
heavy snow Showers during
the day Thawing at 4PM

- 6 Ther at 8 AM. 33 Misty
Rain Most of the day
- 7 Ther at 8¼ AM. 43 Slight
Misty Rain

76

December 1811

- 8 Ther at 8 AM. 46. Fine
day
This Night saw the Comet
- 9 Ther at 9 AM. 30. Fine
- 10 Ther at 8 AM. 37. Showers
- 11 Ther at 8 AM. 34 Fine
Ice an inch thick
- 12 Ther at 8 AM. 40 Dark day
with some Rain.
- 13 Ther at 8 AM. 43. Soft Rain
Found a Ducks Nest with 10
eggs in it
- 14 Ther at 9 AM. 33½. Some Soft
Showers
Dined at Dr. Drennans with
the famous Joseph Lancaster
the

77

introducer of Military discipline

into Schools. He seems a Man
convinced of the superiority
of his own opinions which
may perhaps be allowable
in a Man who beating his
way against strong currents
of opposition has finally
triumphed and done more to
assist the progress of reason
than was ever done by any
Man before, on whatever sub-
-ject he argues upon, it seems
to have occupied his thoughts
before, Speaking on the subject
of Drinking Healths and Toasts
It might appear a trifling
matter he said but trifling mat
-ters

78

-ters were often the test of prin
-ciple, If he drank toasts he
would have to drink the Kings
health. connected with the
Church, which he was no
friend to, and to Drink Suc

-cess to the fleet and Army
was wishing for the shedding
of Blood, and totally contra
-ry to his principles.

- 15 Ther at 9 AM. 42. Some
Showers
Groundsel } In Flower
Dandelion }

Through the day heavy
Misty clouds appeared
floating in various directions
apparently prognosticating

79

a Storm when dark a great
deal of Lightning appeared
about 9 PM the wind came
in puffs and gradually in-
-creased to a Storm which
Lasted through the Night

- 16 Ther at 8 AM. 39 Great
Squalls with heavy Sleet
Showers Calm towards the
Evening

- 17 Ther at 8 AM. 37 Some
Trifling Showers

- 18 Ther at 8 AM. 37 Very Wet
afternoon
- 19 Ther at 8 AM. 47 Fine day
with a slight shower

80

December 1811

- 20 Ther at 8 AM. 41 Cold dry
day
- 21 Ther at 9 AM. 34. A Shower
- 22 Ther at 8 AM. 45. Fine
Day
- 23 Ther at 9 AM. 39 Fine
- 24 Ther at 8 AM. 27
- 26 Ther at 8 AM. 34 Slight
Snow Shower

Received from Mr McClean

A Specimen of *Cerabex*

edilis found at his Timber

yard on Cleaning up pieces

of

81

of Pitch Pine timber from

America.

Calendula officianalis [obscured]

- 27 Ther at 8 AM. [obscured]

Showers

28 Ther at 8 AM. 37 [obscured]

Freezing at Night

29 Ther at 10 AM. 34. Frosty

30 Ther at 8½ AM. 26 [obscured]

Frosty day

Ice two inches thick

31 Ther at 8 AM. 35 Fair

Thaw

Received drawing of the

F[obscured]

-cer [obscured]

at Bangor