

Journal

of
Butter

by
W. W. W.

1795

Friday 6 Nov^r

Calcutta - 1795
at 7^H a.m. Ther. in m. 77
Thy^r - 52

unclouded little wind N.W.
+ Tuffuzot Nupur - The Mus-
son is judic upon the Azi-
muth as well as the amplitude
from the East point calling the
distance from the South, the com-
plement of the Azimuth -

Saturday 7th Nov 1795

At Sun rise there is N. 2. 44
in - Noon top. 69
W. of. in N. 2. 31
in N. 1. 65

With Mr. Lambert. - Capt. E. -
Mr. G. - Mr. M. - Mr. M. -

+ Little difference in the quality
of Salt Peter - The makers of
Gun P. prefer sending it home
of one boiling to refining in
India - Country people prepare
and collect the Salt Peter earth
which is afterwards boiled by the
Company's works one only.
The steam is taken off and the
boiling liquor is poured into large
iron vessels where the Crystals

are collected and taken out with
small long or Ladles as they fall
soon as they are formed -
Gum is the only kind of wood
ash added? in what proportion?
- Same Soil when once impure-
natural produces Salt Peter for ever -
It is even said to be impossible
to create it from the Soil -
- Not winds are said to be useful.
Some say necessary for the pro-
duction of Salt Peter - It is made
in cold countries - Mr. L. had
a contract from Gov. for H. O. so that
he furnished it in Calcutta at
1 1/2 Rupees per Maund - It stands
the Company in all here about
2 1/2 Rs per lib - While it can be
had so cheap and so plenty here
Manufact. it at home useless -

Sunday 8th Nov. 1795

- went at sunrise to the Furn.

works - remained all day -

- Five bottles have undergone the first and second frosts and are ready for the Concentration

I expect the product in good acid

which is at least 25 lbs -

house dry and comfortable -

Even^g - M: * - - * -

+ A long chimney to the great con-

den - a contrivance to supply

air to the Sulphur - Laps Vitre -

more intimately mixed - Salt in

the evaporating pans -

Sunday Monday 9th Nov. 1795 -

Sun rise Ther. in n. 2. - 77°

in h. 1: on terrace - 67

in hand - 68

Ther. in n. 2. close - 49

open - 51

Therm to - 64?

N. B. The Ther. continued to rise

notwithstanding the Sun showing

on it till 3/4 hours after Sun rise -

great fog on the Esplanade

thin white clouds

- at 2 p. M. Ther. n. 2. 70

Ther. - 46

- at 4 p. M. Ther n. 2. 79

Ther. - 45

+ with Dr. D^r Letter for Dr. F.

Gordon -

Monday 10th Nov. 1795

at 7 a.m. Ther^m in N. 2. 44

Hyg^m ——— 56

— 10 — Ther^m — 40

Hyg^m ——— 52

+ with Mr. Belle - numerous res-
atious - Motto for the 20th Nov^r
- Satna Mint is prohibited from
coining gold - Mr. Blake has
acknowledged his error in the
Kopus Essay -

Tue^{dy} 11th Nov. - 1795

at Sun rise Ther^m in N. 2. 43

Hyg^m Ther^m 50

Open — 52-

Mrs^s Water on Anvilor —

- Watch from Mr. Wilson -

+ The two clocks which went &
stopped alternately by Mr. Wilson
of Kelso, were placed on the same
horse, or support, they counteracted
each others motions in such a
manner as to stop and go
alternately. This stop was
owing to a particular vert^u
in the horse and happened
by accident -

To make a Milling or Murling
tool - Tap a long piece of well
tempered Steel with the sized
screw that is wished to be on the
tool, fix the screw on a board
above the murling cylinder ^{turn} holding
the screw pressing hard -

th
Thursday 12 Nov - 1795

Sun rise Thel. in n. 2 76
Mys. - - - 50

This day received the Museum
made by Jones and sent by Mr.
Dickinson - in perfect order - It
has two motions one slow the
other swift - also Jones Catalogue
- with

Friday 13th Nov^r - 1795

Therm rising Ther^m in 11.2 75
Ther^m of Ther^m . . . 30
— open . . . 52

Visit for Mr. Owen - fine corps
volunteers at Edin. all Gentl^m
Professors. Lawyers &c - 700 strong
and 200 at Leith - Uniform blue
white lining - white waistcoat, &
breeches - G. G. -

— Mr. Pothier - The Sal:am^l of
Egypt is manufactured not from the
soot of burnt tany alone - but also
from burnt bones - those of camels
horns and other large animals are
most commonly used -

There are at Alexandria two
pyramids called after Pompey one
enclosed within a building the
other standing naked - Detached -
The latter this generally called
Pompey's pyramid is said to be a
modern work, The first is thought
to be the real col: erected to the
memory of Pompey - The ruins
in the neighbourhood of Said in
Egypt are numerous here the
principal Colicombs - Mummies

Saturday 14th Nov. 1795

at 9 $\frac{1}{2}$ Thol. in n. 2

Nyq. —

— Call for Mrs. Dove and

Burney from the latter

I learn that my daughter

is with John Anderson

— at 3th Thol. - - 77 $\frac{1}{2}$

Nyq. - - 42 -

with Mr. Fairlie. M. Dove -

Sunday 15th Nov 1795 -

at 9th Thol. in n. 2. 74

Nyq. ~~from~~ — 49

Monday 16th Nov 1795

at 7 a.m. Ther. in m. r. 72
Wyg — 54

— with W. on — W. Dum-
ben — Capt. — W. Dow —

+ Heat of the sun, it is alledged
that the Ther. falls in soundings
— Crawford's Doctrine, whether
well established — Lubbeck's
principium Solabile — Latent
heat — Heat of the sun — New
Doctrines whether preferable to
the old — Same Degree of heat
not found in equal land & open
Latitudes — Intense cold in Thobet
29° below frost — Lat. 31° 39' N. —

Tuesday 17th Nov 1795

at sun rise. Ther in n. 2. - 43

Ther. - - - - - 56

Ther. h. l. - - - - - 65

Ther. Ditto - - - - - 66

The moisture is very great
in the morning - - - - -

Wed. 18th Nov^r

Sum in Med. in n. 2. 72
Cap. Myg. - - 54

- Coll. Thompson - he gives
me a paper on the
Low Numbers - Adventure
- Capt. Young
- with Doctor Dicks - what
Thompson should be annexed
to office or be hereditary -
- Mr. D. - in the Evening -

Thursday 19th Nov. 1795

Breakfast with Doctor ^{Carver}
Balfour - Dinner ^{Carver} changes
in the Bar. - I try a
naked tube - (Diagonal B^m)
The Dr. gave me his whole
Observations & the Baromet
- Spoge and Perigea -
- Coll. Pearson's theory -
+ Chinese method of trying
in preparing Opium -
Lauderum is a solid
of Opium in Brandy - is
This both the gum and
resin are dissolved - Spirit of
Water -

+ Cooks at Amung crew
at high water - White
oars carried thro' the Key
hole of an iron Chest filled
with gold Dust a quantity of
the grain of gold = 1000 Rups
with which they built and
lined their galleries or passages
to their habitations.

Common salt is made in g.
quantities at Lucknow and in the
neighbourhood - In upper provinces
the surface of the Earth is frequently
covered with alkaline salt, probably
this alkali forming brown acid
in the earth forms common salt

Friday 20th Nov. 1795
at 7 $\frac{1}{2}$ a.m. ^{#1}Th. in. n. 2. 92
Thy. of - - - 51

After breakfast went to see
the rooms of the Tavern fitted
up for Mr. Bellis's Fete. A
Dust of Mr. Hastings -

- Duffoy's Map

- The Arabic writers do
not mention Zoroaster -

They begin their Longitude
at the westernmost Land
and reckon Eastward.

The Windows begin at the
Eastern end and reckon W.

with Mr. Belli - a fete in
honour of Mr. Hastings' acquisition.
at a quarter past six upward
of one hundred Ladies and Gent.
sat down to dinner at three tables
two in the great room and one in
the small - a band of ^{musical} instruments
struck up and a bust of Mr. Hastings
appeared above the archway in
transparent colours, motto "Scivis
e tenebris" The Chart was exhibited
after dinner Mr. Hastings' health was
drank in Champagne, a second
toast was Mr. Belli's marriage
day, soon after which the room
began to be cleared for dancing
(the Ladies retired) ^{to the} the rooms and the
Gent. to them on the north end of
the house -

The country dinner commenced at
a quarter past eight and continued
with little intermission till twelve
when I left the rooms. The company
was brilliant the Ladies all in the
newest and best fashion - Feather
- I saw to the Lecture room at eight
to show Jupiter, Saturn, and the moon,
to a young Lady brought by
Mr. Burroughs, along with Mr. Canfield

Saturday 21st Nov - 1795

This morn^g a visit from Mr. Bell
a conversation respecting Steam Engines
of Refining St. Peter's - Bleaching -
my going to Madras &c -
to going up the country

with Mr. Burroughs -

St. Peter's was refined and sent
from some years since it was
to send S.O. as 5 to 3, the com-
pany was desired that no more
might be sent refined on account
of the expense -

This refined S.O. is said to have
destroyed the bag.

150,000 of S.O. annually
bought from 9 to 13 ^{1/2} Penn

Sunday 22 Nov 1795

at 7 a.m. Therm in n.r. 72
Therm. Short. 46
Open - 51

Mr. Spalding visit - Notes
I have as well in this country
as in Europe, after being sold
get fat - Stalks, ~~and~~
if long kept from mow, con-
tain to produce vermin -
with Dr. Dick - resurrection -
Coll: Murray created a Bath

Monday 23rd Nov 1795

at 7^h a.m. Ther below 70
home top . . . 64

Thyq. below - 51
Home top . . . 69

+ with Mr. Harrington - Mr.
Willow - Mr. Carrington -
+ - Antiquities - As how many
Geography - No observations
no Chronometrical Instruments -
Irish antiquities - Coll: B - Best
forms of Govt - King inviolable - Prero-
gative -

Monday 24th Nov. 1795

at 7 a.m. Ther. S. 2. - 70
Thyq. S. 2. - 52 $\frac{1}{2}$

+ with Mr. Bebb - Mr. Abraham
Rice to the amount of
is to be sent home the England
in such country ships, it is
thought that the best dispatch
our land was sent principally
on that account - This country
it is said can spare an im-
mense quantity of rice without
much inconvenience to the
inhabitants - This importation
will add to the consequence of
India

Wed. 25th Nov 1795

at 6 $\frac{1}{2}$ a.m. set out in
a Mr. Fairlie's carriage for the
race ground. at 7 two hours
started - after which were the
+ other matches - little sport -
at 9 set down to breakfast at 9
- after breakfast returned to the
platform where one country
man was, after some trouble &
some modification, effected. Dances
for spirit, some entertainment.
9. This introducing dancing in the
morning at this season of the
year seems ridiculous -
with Mr. Lambert -

got - Nicholson - Colebrook
remarks on the present state
of Agriculture and commerce in
Bengal -

Thursday 26th Nov. 1795

4
9 a.m. Ther. in 21.2. 70
Hyg. - - - 51

+ with Capt. Thompson - Col. Morgan - Capt. Maig wishes to have some close wood for cutting figures on for printing - Tibet names - Names for Sir J.

Similar president of the board of Agriculture - Sir G. Macartney China Embassy will not be published till towards next harvest -

Friday 27th Nov. 1795

with Norris - Lieut. Wellford informs me that Hindoo books seldom last 40 years. paper decays - worms - In the transcribing of books the pundits generally introduce something of their own - No traces of dialling ~~was~~ ^{are} found among the Hindoo writers - Mr. W. has taught his pundit some of the European methods of drawing dials, which he has no doubt will be introduced into some work that pundit may be employed in copying and 60 or 70 years hence it may

be considered as the ancient Hindu
mode of making Diabls. -

- Mr. Davis has found Charles
oak, in an ancient Hindu
map of the Heavens - No
mode of projection similar to
the Spherical, among the Hindus
been represented by straight lines
a particular range of mountains
by two parallel lines -

23
Saturday 28 Nov^r 1793

- This mor^g at 10 received word
- Eugene that Capt. Naig and Mr.
J. Colvin were lost in a boat crossing
the River - It appeared afterwards
that Mr. Colvin was saved
They were crossing the river late
in the evening, got on a bank
near the other side, the boat men
persuaded them they could wade it
thru - in attempting this they
soon got beyond their depth
and Capt. N. not being able
to swim was kept up some
time by Mr. C. at length finding
it impossible that both could
be saved, Capt. N. desired Mr.
C. to let him go, and try to
save him self - Mr. C. was left

up by a boat sent by a
gentl. who heard this crew
Capt. N. was lost. —

— with M. Lambert. —
I met Major Macdonald
who has travelled three times
over land to and from England
by Suez the best route —

— across the Desert in 70 hours
Camels & Dromedaries best —
Sail down to Cairo — good
accommodation in the river boats
— but when at Cairo best to
sleep on board — fleas —

Eggs hatched in ovens at
Cairo — Sal ammoniac —
Pyramids three hours ride from
Cairo — Catacombs for birds —

best Catacombs at Alexandria
Liberty to measure or do any
thing at the Pyramids —
Sail down the Nile — May
land and walk on the bank
see the mode of ploughing water
the land & best on the right
bank of the Nile Delta —

— The greatest curiosity is the
great reservoir below the foun-
dation of the houses of Alexan-
dria. Every house has a well
supplied with water from the
Nile — part is now wall'd up
on account of the rising of
the sand and all the ground
of lower Egypt. — It very seldom
rains in Egypt.

Sunday 29th Nov

^H
7 a.m. Put - 71
Fly of loonid - 47
open - - - 50

with W. Fairley
Ship arrived per Camp

Monday 30th Nov. 1795

St Andrews Day was celebr^d
at the Theatre - Sir Rob^t!

Abercrombie in the Chair

Sir John Murray Vice-pres-
ident - Entert^d by the

Directors with Draper - Sir

James Murray - Sir

James Murray

1 James Murray of St. Andrews

Tuesday 1st Dec. 1795
at 7^a a.m. Mus. ... 70
Myos. 40

+ with M. Belli - whether
it is proper to drink the
healths of ever present
gentl. present at any
meeting.

His morning a visit from
W. Goodwin - Salt made per
carts when the salt water does
not reach - The carts when
exhausted, after being exposed
to the air for a short time
become impregnated as before
I was when derived. Made of
superficially the better -

Wed 2nd Dec. 1795
+ with Dr. Balfour -
music - whether national
dependency on education -
(Columbus, theory - Concert
said to be pleasing to all
nations - Cyprus - Sabi
were Grecian - Chinese -
Cochin - China - Lord Mac
band of wind instruments
played God Save the King
another slow air, and some
quadrille tunes, none of
which seemed in the least
degree to move the Chinese -
- No standard for beauty - for
happiness - (Distance of objects

This advantage - A certain
standard form would produce
competition incompatible
with the peace and happiness
of society -

Reasons for the same words
being regular in most Lan-
guages - European particularly
German, Scots & Languages
probably derived from the
Persians - Examples are ad-
duced where both sound and
sense agree -

Discontent among the Officers -
a letter is said to have been re-
ceived from England stating that
Mr. Dundas has declared that he
has done all he can, but that
the opposition comes from a

higher quarter - In short
that the King is against the
measure. The expense was stated
by Mr. Dundas to be but trifling
- A remonstrance is now pre-
paring, and it is said will be
signed by all the Officers at
and other parts of the

Contentments

The Officers here also it is
said received information that
the forces under the command
of General Clark are intended
to act against the malcontents
here, as they are called -
and that they will be resisted if
they attempt to land -

Thursday 3 (Oct) 1795

7 a.m. Thos. in n.2. - 70
Nygromch. 45-

- B. with Sir R. Chambers.

Sent. Wilford - Thompson on

Egypt unknown both to Sir R.

and M.W. - Travellers attempt

too much and pass too rapidly

by thro' a country to make

great discoveries - Chinese

have no instrument of Naviga-

tion except the compass

which they divide into 24

instead of 32 points -

No instrument of Astro-

my, Geography or Navigation

found among the Hindus or de-

scribed in their books -

- Sir R. Chambers the Chinese

in some provinces have

an Alphabet - This from

M. Titsing -

- 4 p.m. Thos in n.2. 73

Nygromch. 41-

- with M. Orr -

- Evening a meeting of the

Asiatic Society - Account of

a native who travelled thro' all

every country in the East -

- Commence a man who lay

on a bed of pointed iron spikes

- Drawing of the bed is shown

- another man who has held

his hands on his head, his

fingers on the alternate

elbows - not touching the

head - they are now fixed
 in this position so that
 he can never move them
 - such are the permanence
 at Benares the men a
 both above and at Benares -
 - Types of a new Church
 shown - Drawing of the
 last mentioned ^{H. A. Beer} permanent -
 - Wilford's explanation of an ancient
 inscription sent from Bombay -

Friday 4th - Oct 1795

at $9\frac{1}{2}$ a.m. Ther. - 70
 Hy. - 46

- purchased a sextant by Troughton
 a mercantile artificial horizon
 and a glass roof - for 250 S. R.
 - took meridian altitudes - and found
 the error of the large as well as
 small sextant - Lat of this hour
 $22^{\circ} 33' 45''$ - Long: by Col. Peire
 $00^{\circ} 22'$

- with Mr. Mannington - Mr. Graham
 Capt. Dunn &c - Spalangani -
 artificial impregnation of females
 is said to have been practiced
 in from time immemorial

with respect to Grass, when
the Mellior comes a Grass ^{some}
~~quantity~~ of the same is preserved
which is preserved and sometimes
comes to a considerable to improve
the mass in the after!!

The Manuscript is said to possess
a number of primitives never
used in the written Language,
but which serve only to give birth
to derivatives.

Whether Male and female
mules were bred - it is said
that a female mule will breed
with a horse or ass - female
cane - Indigo trading was
the Hydrocule in three weeks -
quite may not this be applied
to practical use by Physicians -

Saturday 5th Dec 1795

^H
at 2 $\frac{1}{2}$ p.m. Ther. 74
Wyg. - 40

- with Mr. Barroughs
- Madras - Lord Mubbery
of the Govern. party in India
- Mr. Foster. Berrisford &c -
- Coll. Berrisford with Lord M -
- Sir W. Dunkin probably cor-
responds with Lord M - or Coll.
Berrisford - Agency very
productive in this country -

Sunday 6th Dec 1795
at 7th a.m. Ther. n. 2. 69°

above - 60

Hyg. n. 2 42

above 43 $\frac{1}{2}$

4 p.m. Ther. in S. R. 72°

Hyg. — 30°

with Mr. Fairbairn - Evening
looked at Saturn and Jupiter
Furniture starting - boxes cracked
Mr. Darcy - model of wolwech
foundry - go home by America
Manufactures encouraged in
America -

Monday 7th Dec 1795
at 7th a.m. in S. R. Ther. 64°

Hyg. 40

with Mr. Dick - D. J.

with the General —

Mr. Forman in the evening

+ this morning found the
Hygrometer broken on the
table —

Tuesday 8th Dec^r 1795
at 7⁴ a.m. Ther in m. 2 64^o
above on Terrace 53
in air - - 54

+ with Mr. Foreman - after
dinner went over the river
visited the intended Dock -
- White Lead - and Russian Blue
may probably be manu-
factured here to advantage
Chinese white lead much better
than the English - the latter
is mixed with whitening. It soon
contracts a yellow tinge -
- See - Mr. Wilson - work on fortifi-
cation in Sanscrit - attack and Def.
Dumet - magic - great Engine like
Catapulte and Balista and no art.
of the battering ram.

Wed^y 9th Dec^r - 1795
at 7⁴ a.m. Ther. above Ter: 55
in air - - 56

wind N.W^y cold to the feeling
greater than indicated by the
Thermst -

Thursday 10th Dec. 1795

Ther. at sun rise. above - 56°

Thick fog on the Esplanade - some
parts thicker and deeper than others

Coaches disappear in some places -

- with Mr. Bellin. Dr. & Mr. D. Mr.

and Mr. J. & Co. - Billiards -

present fashion - Ladies Dress -

Venus de Medici

- exhibition of moveable pictures
in London -

+ Cowries are imported into England

in great quantities from the Mal-

dives Islands - They are exported

to Guinea - Slave trade - It is re-

markable that Cowries or small shells
are used ^{as money} by all uncultivated nations.

Friday 11th Dec. 1795

at 7th a.m. Ther. m. 2. 66

above - - 58

- with Mr. Fairlie who engages
to write to London in my favour
respecting a particular business -

- It may be of advantage to collect
materials for Mr. Dundas's history
of India -

Saturday 12th Dec^r 1795

Mr Fe. and I set out for the
Dist. ^{works} at 6 a.m. - returned at 8 $\frac{1}{4}$
- Alcohol and Ether may be joined to
the Dist. works to great advantage, both
much used in Medicine. Ether is sold
at 1/6 per ounce in London wholesale
and at two shillings retail -

Boxes are attached to the Chest
in which the Gold is at present
packed to be sent to Madras. a
single piece of Bamboo with a
a rope not equal to half the
weight of the box - This is absurd
the heavy rope should have a strength
sufficient to weigh the box. -

Saturday 13 Dec^r 1795

at 7^H a.m. Ther. above - 60°
- ~~4~~³ millions of pounds of indigo
are sufficient for the consumption
of all Europe of which Britain
consumes 1 $\frac{1}{2}$ million - Last year
four millions were sent from India
The court of directors were astonished
at this quantity as till lately not
more than half a million was im-
ported annually -

- with Doctor Dick - reasons for es-
tablishing peace soon to be established
- Nursing fisheries - coal mines in
some parts of the Isle of Sky -
Ether much used in Medicine -
applied by Doctor Pearson, to cases
of Consumption -

Monday 14th Dec^r 1795
Wrote for Mr. Lambert, from
Ferguson's Ge - stills flat worn
China man. - The figures are
called Lueng-lao-ce and servant
Chou-song - his history - The
servant found Lueng-lao-ce, and
was so charmed with his divine
instructions that he would never
leave him, but went where he
went. He followed by him was ready
to defend him against his ene-
mies