



Journal

Calcutta

15 Feb

1795

By J. Binnard

Sunday 15 Feb 1795

- An extraordinary published
late last night - term of the
news that the combined armies
were driven before the French in
all directions, that Flanders
was all in possession of the
French - several changes in the
English ministry

arrival of Lord Macclesfield &
the same day - Report
of the death of Robespierre
All quiet in England -

- with Col. Murray - W. & M.
Colonel M. P. Long coming
Capt. Symes envoie to Ogen-
- conversation about China
- Specer brought in

The same man it was al-
luded is now twice minister
of England! - The Report
respecting Robespierre is said
to be confirmed by a Danish
Ship which left Copenhagen
in Sept. Last. Several Reports
debated the fact this mor. -
Authenticated W. Smith in the
Ear - Gun Carriages of the
most imperfect make sent
out from England - One
with one made in France
sent home -
- This mor. I visited the mint
refining both by the Bengal
and European modes -
1000 Ropes can be done in
the same mod, at a time

- Bellows - Steam blown in the
operator's face - Reverberatory
burnt out of a log of timber
The best made of wood which
is placed on the ground surrounded
with lumps of charcoal and
the inside all round with
cow dung, a hole is left for
the bellows and to put in the
materials, bellows kept in
constant action — finished
in about hours

- Two tubular furnaces at work
seem to act well. Small
white particles like efflorescence
are seen the surface at setting
in the Bengal mode —

- It is said that the observation
at Benares was built about 1850
ago by Rajah —

Monday 16th Feb^r 1795

Began optics with the Ocular
- Mr Fairless - Exchange
at present is about $\frac{2}{4}$ -
the d^{e} Ropie at 3 months
after sight -

- The Musselmans keep their
wives as private as the
Chinese, The Hindoes do
not -

- A plate turned bottom
upward lifted up from
the table by the application
of two fingers and thumb
on the out side at nearly
equal distances -

Tuesday 17th Feb^{ry} 1795

Ther. at sun rise h.t. 62^o

Wed^d 18th Feb. 1795

Ther. bar 29.1 60

— Morn^g cloudy wind S.E.

— B. with Col. Cameron

found in a place and mod.

of securing the magazines
of the fort by conductors.

— visited the barracks — clean
and well aired — Syrian

roof — wells sunk — gun

carriages English — Country

made — Fire never happened

in the fort but ~~was~~ once

said to have been occasioned

by a burst of fire with

having been spent on wooden

cloth and kept long from
the air - gum has not this
effect - I have heard the same
thing mentioned of wood oil
of this country -

- with W. Beveridge -

In A. C. W. Ray. Com-
rader - Royal Admiral
arrived - Different letters
translation and originals.

W. Wilson has discovered
in the Hindoo Geography
some account of S. Britain
Isle of height - Seven G
- try the cacao - nut oil
by first boiling it a little

Thursday 19th Feb 1795

A few in the ... 70
thick fog, wind to the S^W

cleared up at 9

This day purchased some
tickets in the ~~British~~

Lottery - N^o 6,391 - 0111

0151 and 0200 —

+ with Col: Cameron

- China - General Cur-

- China Government

Robt: - Lewis present

Friday 20th Feb. 1795

Ther. sun in
wind S.E.

67°

B^o with N-y - Mygrom
from M. Wams -

- Pack of glass shivered in
a curious manner

- with M^r Foreman - Glass
cover whirled - Flying - Great
Catt -

Saturday 21st Feb. 1795
— with Mr. Famer —
agreed to set out with
Mr. Lamb to morrow M^o
on an excursion down the
river —

Sunday 22. Feb. 1795
- Set out with Mr. Lamb
at six - reached the cave
at a quarter past seven
- Temples - arrived at the
Sugar works at ten -
visited the works - made
by 8 bullocks - work -
3 Cylinder - motion too
slow - better to make
the draft below - The
cane juice runs into
the Clarifier a ^{large} copper,
to which is applied a gentle
heat, and which a scum
is collected in the Purifier.

This is very slow and the
skimmer) off - from the
clarifier it passes thro'
4 (different boilers, but
regularly in order) to con-
solute the water - N. 6.
Lime water used in the
clarifier - From the 4th
boiler it passes into
a wooden trough from
which it is sent into
the carbon filter to be
cleared for the 1st time -
From the filter after run-
ning a small hole in
the bottom of the filter

and runs along a gutter
into a part from which
it is carried to the still
house - The sugar after
the first Claying is boiled
up and clayed again -
The Refinery is not
made of wood but built
of brick - a stream of water
is constantly running
in at the bottom and
the heated water flows
off at the top - water
raised by a balance
with a bucket at one
end and a rope with

have run at the other
the bucket is hoisted
up to a platform where
a train may empty it
into a wooden trough
from which it runs into
the Refinery -

- Chimney Sugar Mill
consists of two rollers of
stone - seems to act well
- Sugar cans are about
one inch in diam.
and when cut for pressing
from two to four feet
long - placed in shoots
top - or root used to

Mount for a new crop
The joints of the cane for
two to three inches -
black and green colored
cane - very extremely
narrowly - workmen get
fat - horses oxen - fowls
all much fond of the
cane - cows carry large
pains in their bills -

In our coming wells
round the plantation
saw two jackrabs -
- many of wild beasts
Described by many travellers
probably nothing but the

howling of the jackall
- 1 Gall of Corn, 1 jar with
brandy 1 Lit of Sugar -
In. W. L., worth 13000

1 Gall of rum or brandy -
factored in a

some time 30,000

- The Clay is of use only
to afford mortar - got
from the river side - blue -

China use vegetables in
stead of clay -

- Great interest in Bengal
is 12 1/2 Cents - The

intrinsic value of the

India paper is 2 and 1/2

- In the fourth vol. of

a woman on the other
side - she was in her
course - and powder so
perpetuate the business -
- Francis Jucore DeLank
Chrish in his course
with - have condemned
to separate at night -
to opposite sides of the
river -

- Saw a large whig
near the bank he seemed
to look out for a cow
which was feeding in the
neighbourhood - great plenty
in the river in this country

The Asiatic researcher
is a code of hindoo laws
than those relating to a
widow are fully explained
- Poor people in this country
happy, richer than the
same class in Europe.
nose rings, &c. generally
of gold - wear neither
horns, cloths nor jewelry
The most expensive
articles in Europe - like
at the Equinox are found
commanded his Regent
to go over the river -

Monday 23 Feb

- Got out in Mr. Leavelle's
boat up the river -
called at G. Lovell and the
Sugar works of Mr. L. -
- DeLancey - coffee - women
attending the market
when I was on the bank
of the ferry - the was
showing - After the
morning her admiral
a some thing like
whom mention no
thing must be given
them -

- Saw on shipboard, but
a short way from the es-
planade - Elephants
lay down like other ani-
mals - bend their right
legs to the person who
mounds them - lowest was
nearly about the middle of
hoop - will break off such
branches as are apt to touch
the head of the rider

- The Hindus divide the
day into 12

Tuesday 24 Feb. 1795
Ther. Barometer h. f. 69°
wisht clouds towards
the horizon - wind S
- A watch of Mr. Mann
Capt and Jewell No 702
let fall much fruit, in
Frank's office -
with Frank - why
less Damage Done by
lightning in Bengal
than in America -
- Salt factors - great
smugglers - wretched
monopoly - Labour of
the workmen hardly

- Ditch of the captured
road very shallow -
sufficient to carry off the
water and no accident can
happen from its depth
as in England - what
was so very deep ditch
as in England? - great danger
- Calculation from the
2d. of the captured. Like
a great city burnt down
and a few of the principal
houses left standing -
- with Mr. J. (Capt. Bond)
of the Royal Artillery

A new (half past six)
thunder a north wester
is expected —
— North wester looks
plain — blue most
violently —

any thing - I was
finally on smugglers
the smaller quantity
of salt - a Portuguese
imprisoned for 15 years
- better to lay the trade
open - appoint men
of salt -

- Sir bank had a spec-
ul of Bagobands to
manage it - Christin
a smuggler - gave
cash account to any
man who could prove
two scumblers - lost
much by this

Thursday 26 Feb

- Sent off a compass
and Solar Microscope

to Mr. Brooke - received

a draft Mr. Paine on

Mr. Brooke for 300 \$

Receipts -

- with Mr. Fawcett

- Dined here with J. P. Cook

Wed. 25 Feb 1895

Went at 10 A.M. to the
- and the other mi-
- *crucifera* - marked
it up -
- with W. F. F. -
- Lord Macarty, shank
of the half battle of
Newres without any
information to the troops
(insurrection - general)
was on their account

Saturday 20th h. -

Thurs. at Sun. morn

h. - w

64^o

with Mr. F. Smith

Friday 27 Feb. 1795

This morning received Emma
and Jeph. now wear each
other with the 30 inch cuts

Ther. at sun rising. 63°

Went to breakfast with Mr. D.

W.C. he did not arrive
before half past 2 mi-

sent off Mr. Dabbs draft
to Scarborough -

with Peter Oakes -

W. Cal - L - none of

W - O - of L - Mrs

B has a subscription

of 40, now 4: - The

is now the fashion to

get a husband -

Monday 2^o March

Thurs - Sun 14 - 69

- with C - and C -

- even^d with W. Lambert

- Great lens - Lenses for

partis -

Sunday 7th March
— Thos. Smith - 66
— with Mr. Foreman
— while ants leaving their
hole in a wooden post
swarm in the butterfly state
I was in - caught the ^{by} Loggers
who devour great quantities
of them — see also the

and apparatus on the
Esplanade would be filled
with water in the rainy
season, and partly filled
in the dry season, the water
expans in the dry season
would destroy the trees —
— Began Algebra with Mr.
B —

Friday 3^d March - 95
- with W. Lambert -

- Potatoes in Bengal as
good as in England - New
like them - consider well for
their kind of looking - best
way to preserve them for
long voyages is to treat them
a little in an oven -

- walk on the Esplanade
Fort William is said to
be the largest Citadel in
the world - which requires
10,000 men to garrison it
It almost impregnable
from of war cannot now
sail up the river to the fort

Thursday 5th March 1795
with Mr C — After the death
of a person at the distance of
about 20 days a few of
the acquaintances of the deceased
and the friends are invited
to a kind of feast, they eat
and drink whatever they
choose — after which a quantity
full of rice and some other
grain and with which is
mixed a number of Cowries
is distributed to every one
The Cowrie is a small
shell brought in great quantities
from the East Indies &
it passes as money being
equal to one Anna —

Wednesday 4th March
Rund the Baluta -
- with Mr. Foreman on -
Camera - Large Lumber
- Note - Rollers - Use of
the transit of the for
March over the mountain
Dallat how no risk of
hitting the hand - Dis-
gun valves -

This Day the Holidays
- commenced - gunn What
is the history of the red
powder thrown by the na-
tives on one another on
their holidays? -
- weather getting hot -

Friday 6th March 1795

Employed in preparing
my lectures
with Mr. Kelli - Beer
(not seems to be composed
of the men crushed by
the pressure of rain
rivers of wood and drawers
of water - I stupidly
Lantern. broken, pieces taken
away intended to throw
the Alarm on the other
who put the candle
down into the lantern
thru the bottom of which
it fell - Black colour
when the white passed

Whays - processum -
and powder - Tom - Tom
Rymms - God ^{brought} carried home

The carriage was square
and this the gauge con-
tains I could perceive that
there was nothing in it
The God however is supposed
then - Two green handles
wrapped with silk - Two more
with. To keep off the

this - This is also always done
at the status of all the Gods
a fly is not permitted to
light on any part of the
body -

Saturday 8th March

Tide gauge in Lough

No. 6,391 - 0,111 - 0,131

No. 2000

- at 3 ~~PM~~ M. The heavens

began to be overcast at

4 it began to blow from

the S.E. at 4 $\frac{1}{2}$ M blew

a strong N.W. gale but

without thunder or rain.

Dust rolled along in

a cloud impetuous

to the right. Calm at

5 $\frac{1}{4}$ —

with Dr Deek —

walk of ~~the~~ hours in
this country soon contracts
owing partly to the smoke
of the kilns which are
all low, and to the smoke
arising from wood being
which is every night burnt
near cattle to keep off the
mosquitoes —

— Great similarity between
the Mummies in Egypt
The ^{former} worship a Cow, the
latter worshipped an ox
— M. B. thinks a Lotion
will be the best mode of
killing the Aspiculus

was drawing a gun
up a steep mountain
observing the carriage
likely to overset went
to the lower side and
by his hands kept it
up without any order
this by low course well
The load of the British
seems to be made of
hide. —

with Mr John F. — Religion
conversation —

Two Elephants will light
left up a heavy gun and
carriage out of soft road
— one employed on the coast
to hill road —

Sunday 8th March
at half past 6 a.m.
overcast blew fresh for
the N.W. - ³ - ² - 49° -
- wind N.B. - with
Two bows a ~~man~~
and two curious Lacks
- M.G. - is making a
gun carriage on M.
Anderson's plan, where
the recoil is prevented
by the ^{of the air}
- the Elephant steps
with the legs on the
same side at the same
- time
- while one elephant

We have a better right
to this country than you
because our mothers are
natives, and you are our
fathers, we hope to see the
day when we can tell
you boldly either to ad-
mit us to an equal par-
ticipation with you, or
leave our country.

— Why not from a better
of native born? — Why
not improve the culti-
vation of the country —

Monday 10th March 1799.

- Employed in preparing
for to morrows Lecture

- This morning General
Merenchi arrived in the
Academy and was receiv-
ed under a Salute of 17 Guns
- with M. F. -

- Even^g: M. F. - Country
born boys not so stupid
as some pretend - passed
on the Esplanade - subse-
quent battle - young Gent.
from M. F., beat - second
battle - Nature born
complains loudly of the
injunct Decree of the court of
Directors - Why begot us

Wed 4th 11th March. - 1795

Baromet. h. t. 73^o

- But how, are made up the
country - Snow or (Dents of
Afsam - Thrown by swinging
it perpendicular -

- Shields of this country must
be the same as the round shield
of Antiquity

Tuesday 10th March 95
Ther. Bar h.t. - 71°
- with W. F. -

Col. C. - Government has some
doubts respecting putting
up conductors on the
Magazines in the Fort
- on what magazines in
England are conductors and
- looked at the Air Eng in
contractor to let go the
bucket raised by an ox -
- Mr. Bengys brought two
ancient cross bows a rick
and two double locks -
- First Locks on Ancient
was to about ~~70~~⁶⁰ hours
went off pretty well -

14

Friday 13th March 95

at 3 a.m. N.W. —

at 3 1/2 P.M. Ditto strong

both without rain —

with W. Lambert —

+ Indian made of paying
the bottom of ships for

service to the British

+ Ships built in Bengal

will last times longer

than those built in

Europe — wood better

+ would it not be better

to build ships of war

in India for the protection

of the trade? There was

Thursday ¹² - March 95
- went to Gen. Morescombe
Levee - Bengal - China -
- with Mr. F. -

+ gave the second Lecture on
Ancient war - Room too
hot - Front room will be
preferable during the hot
weather - Several medals
sent to make the collec-
tion complete - Comp.

then given whether the
company have it with
power to lay on the pro-
hibition - The company
are ignorant of the down-
take this country might be
of to great Britain

Management of the com-
pany's servants complaints
of here -

Might not give by London
comparing a double mill
to work with one steam
engine?

It is is said that a powder
of 300 Cannon can be
brought to be us on any
point round Fort William
The new work towards the

in August at the commen-
ment of last war only one
frigate. Had the French been
industrious they would have
runned very many! in the
country. Were a sufficient
number of ships built in
the country they might
in the time of peace be
run up in ordinary, and
called out on any emer-
gency - Ships built in this country
are not entitled to the pri-
vileges of British bottoms -
- hence by what clause
of the Navigation act is
this forbid? It does not
appear in the act itself.

Saturday 14. March 95
about a quarter past 12
m. began a storm of thunder
and lightning with rain
at 1 the Thunder ex-
ceedingly loud and the flashes
very dense and rapid in
succession continued till
two - $\frac{1}{2}$ past eight rain
+ at the battle of the Rob-
tus almost all the wounds
were given with the sabre
+ The fensons found at
is the most extra-
ordinary pair of antlers
in the world - Flowers &c -

River too high render the
guns behind of little use
& Elephant leaped over the
parapet of the covered
way to get at a man
with a bag of water. The
man stopped and poured
it into his bucket ~~but~~
had the man refused the
^{elephant}
~~water~~ man would have
been him to pierce —

— Description of the Battle
of the Rohillas —

— A course of Lectures through
the summer in which
the elements are considered
to make out five periods

Sunday 15 March 95

B^o with Mr. W. Lambert -
- Review of Wilford's paper
in the Asiatic Research
W. L. Smith not just
- W. Sp. - Gold ~~discovered~~
by the party process
and referred by comment
will never agree, still
left by the condensing
process - Gold is always
found in the ashes of
this last process - The
Lump of Gold sent to
the mint by W. F.
was said to be pure -

— what is called the Gothic
Architecture is really Min
Doo. It was introduced into
Spain by the Arabs before
the conquest of the Country
by the Goths —

+ The speech of one of
the witches in Macbeth
as now well is now-
—, the word

is interpreted account
I've country with. —

+ sent the Chamber appa-
relus to Mr. Belli
and received a draft for
I say? now —

- with Coll. Murray
- Weapons of war peri-
cassans, Helmets of plate
mail, chain mail
- neck of Chain mail
- shield a rectangle
very long in proportion
to its breadth - covered
with hard leather two
circles like eyes at
each end held firm -
hard center - Dark
made of 5 peacock
feathers with a small
leaves red or bamboo

It had been melted by
the natives when the gold
was purchased. The colour
had, owing probably to
its having been refined
with arsenic or Antimony
what is the best mode of
discharging the colour.

- The proportion of silver
and lead in the quantity
purchased should be altered
according to the Degree
of fineness of the gold
which is restored by Nitric and
Liquor.

Crows feet of Ascom
cupra Spoke Barber
single — They are chain
together —

Arms between, head of
iron triangles - from
from the hand, great
used held in the best
slips off - weapons -
of various construction
swords - iron clubs
handles with polished
- Spear about 9 feet long
handle beautifully polished
head like the Scissors
Match and fire works
the lock works all over
the outside - Head
of the observatory at
Benares - Martin Ben
selve Hunt -

Sunday 17th March 1795
Cloudy - blowing fresh
- with 9th Regt -
Linn's company -

Wed. 9th 18th March 1795

- Cloudy - blowing -

with Mr. Culver - Mr. M.

Permonths, Boyd, Shaw, Carter

Vanderheyden, Boyd, G. -

- whole, false fact to a

proper expression -

Thursday 19th March 95

Thurs. at 12 o'clock

in apparatus room. 01⁰⁰

with W. C.

China man has engaged

to make a Chinese Drum.

Friday 20th March 95
- Visit from Mr Lambert
- Paid at 12. 6 sh - 02
- with Mr Lambert
- a 3 $\frac{1}{2}$ foot Telescope
by Gilbert Geyon
sent by the Nabob's
brother for me to exa-
mine -

- News from Europe by
Bombay - The Princes
pursuit at Paris. Amba-
sadors driven across the
Rhine - attempt to
kill the King with a
poisoned arrow & not
blown through a brass x

Saturday 21st March

Ther^m - Sun rising h.t. 73

Returned the Telescope
+ B. with Dr. Oub
with Mr Fairlie -

Bombay Gazette has
news from England as late
as Oct. and from London

as late as Dec. 3

~~Friday~~ At 12 on Friday

evening Star traversed the
field of the telescope - book
fell - bottle broke - Earthquake

tube made by a watch
maker three or four con
cerned - called in Mr B -

mistake respecting dinner

Sunday 22 March. 1759

In Books of Earthquake
when the ground is vio-
lently heaved up and down
and sidewise, is not the
after position of the house
sometimes altered? A sur-
vival will ascertain this
Instrument for observing
the quantity and direction
of the motion produced by
an earthquake —

Monday 23 March

Friday wrote to Mr.
Thom Chummet Long and
enclosed to him a bill
for David Ross & Co for
300 £, wrote also to
G. and D. Wams, Mr.
Horton and John Andrew
Commissioner

Mr. G. Wams

1 Letter at Providence

1 Letter at Providence

2. Letters

1 Magazine at Providence

4 Sewing Balls & such

1 Pygmaea

1 John and Cornish Pen
in an ear -

Only Dam

2 Cornish

2 Polyph

2 Cornish

~~to~~
Tuesday 24 March 92

Thurs. 7 a.m. h. 10 . 03

— with Mr. Calcraft —
— paper for Governor —
J. Campbell —

Wed. 23rd March 1795

at 8 a.m. Ther: m.

apparently warm. — 84

— visit from Messrs. Boyd
and Shaw —

— with W. Fourn — before

Drum went to see a

large lens with 5 plates

glass — purchased at 45/6

It has 5 plates about

19 inch each — Chroma

is silver glass —

Fire works in the evening

Drum not fired off on account

of wind — Bought light

in a case, not good —

Moon's eye ascertained

by a looking glass!!!

as many images reflected
as the 21 days old!! -
- tells me by Caper

May -

Thursday 26th March 95

- Went out 9 a.m. in
capp: run - - - 94

- with Mr. F. J. [unclear]
- whole the English
trade to China he ad-
vantages to the Chi-
nese - said to be 4
millions annually -
Chinese want rice - why
not then cultivate the
rice plant and sow rice
in its place? -

- Two arguments against
machinery in this country
High rate of interest,
and cheapness of manual
labour -

Friday 27 March

at 4 $\frac{3}{4}$ P. M. This is

apparatus room - - 000 -

with Mr. Shaw -

silver plate - invoice - 2

curves and a desert -

2 Table cloth's one below

the green cloth - Chem

papers - Venison -

What would have been

the intention in the

Different Languages on Earth

Languages the they to know

2000 - from to industry

man has enough to be

under Language -

Saturday 28th March 95
at ten in the Th. in the
apparatus room - - - 02,
- B with M. L. - about
20 subscribers on the list
- with M. Belli -

• Capt. Turner - Jagger
Exp. - sweep of the Ref-
- rans over the poles
- Plans taken by the
French -

+ at 7 p.m. This in
app. room - - - 07
+ Saunders who wrote the
crit. of Horax in the
Philosophical Transac-
- was Surgeon to M. Turner
- his Emb. to the G. Lorne

Sunday 29th March
Sun rise 4.1. 70°
in app; room . . . 83.
at 8 cloudy, a small breeze
from the S.E. This is the
forerunner of a N.W. wind
which always happens
in the evening — a calm
in between and very hot
till towards 5 or 6 o'clock
when the N.W. pre-
sently begins to blow
There is a contradiction in
the Covenant said to
be contrary to a clause
in the last act of Parl.

respecting Indian affairs.

- Arab rebellion -

- Tax on Salt hurtful
to the preparation of the
originated Murrachi acid
- there is a ~~Salt~~ Tax on
Salt in any case proper

- with D. O. W. - The
journey from Suoy
to Cairo is 6 Days

on acc^{ts} of the stoppage
for water - The Pyra-
mids are said to be

no more than 2 miles
from Cairo - at 4 1/2 P.M.

Point N.W. Thunders no rain

Monday 30th April 1795

at 4 a.m. in app^r 200

Ther. — — — — — 04

at 6 O'Clock — — — — — 03

at 7 O'Clock — — — — — 05

with Mr. Fawcett — Let

of the Crown Jewels in

the Evening — contained a

Ship and a Temple —

The Thunder Storm which

shook Calcutta on ~~August~~

was accompanied in the

Country with hailstones

some of which weighed seven

ounces as big as oranges

The house of Mr. Fawcett

was and some was destroyed

Friday 31st March - 9.5
That rain was a: k: 03⁰
- back to Tullach's home
struck by lightning - one corner
a hole in the wall - broke
two water jars below - some
conducting rods in the neigh-
borhood - some house etc.
about two years ago -
- with General Munro
- now for shooting Tygers
at night round the
down in the north, poison
arrows, how men escape the
- Mr. Welfer found of Anti-
gambles - During the time
now on Sunday last
hair stones men was much
in Dumack felt, was preserved

of snow surrounded with a
shell of ice transparent

③ The bar falls with
great rapidity during
short gusts of snow & the
Mr. Wilford no attempts to
show that the fact is
I can shoot me the same
about 5 minutes before
the hail it grew very cold
for excessive heat before
at 8 p.m. That is a perfect

room

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No. 0111 Drawn a prize of 50
exchanged for No. 2.306

Some think that the
cycle of weather is = summer