

**FROM SYDNEY TO
SIERRA LEONE:
THE TRAVELS OF
NSW FIRST FLEET
SURVEYOR
WILLIAM
DAWES**

*Presented at the FIG Working Week 2024
19-24 May 2024 in Accra, Ghana*



**EARLY PORTRAITS
OF WILLIAM DAWES
BORN IN 1762 AT
PORTSMOUTH**



**DAWES COMMANDED THE SIRIUS
ON THE FIRST FLEET VOYAGE**

PORT JACKSON

Dawes Point
Observatory
Site

-151° 15m 20.7s EAST

Dawes Point
Battery

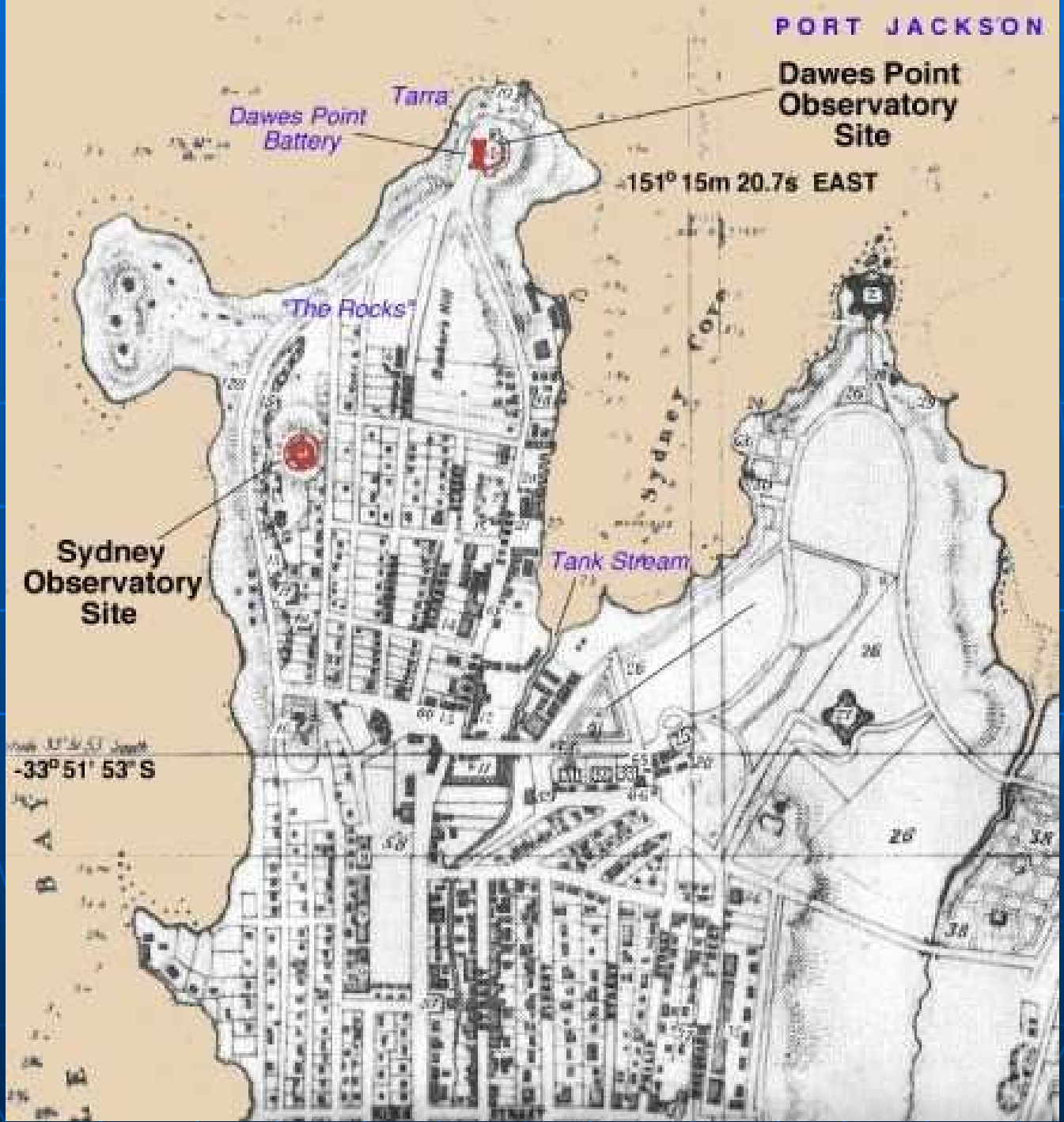
Tarra

"The Rocks"

Sydney
Observatory
Site

Tank Stream

-33° 51' 53" S



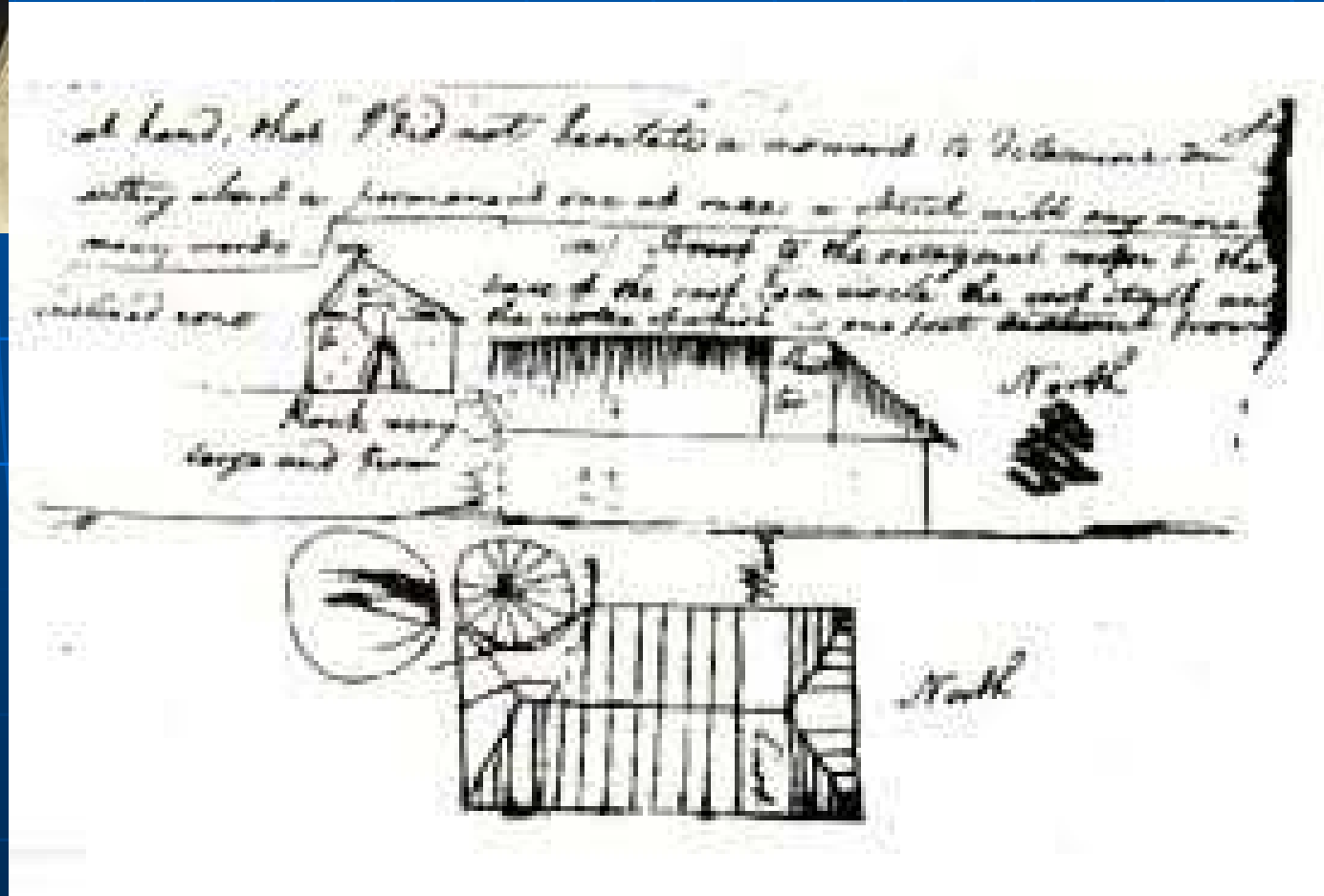


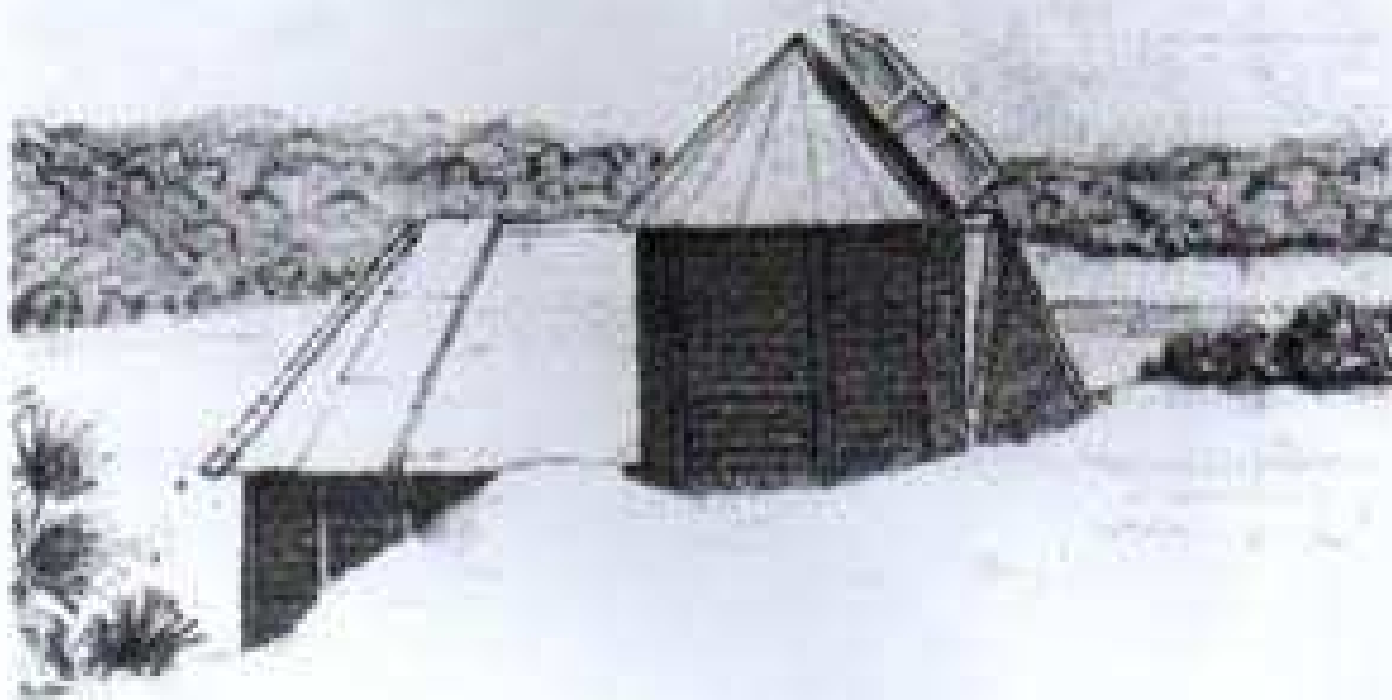
General Mifflin & Fort Mifflin

SKETCH OF PLAN AND ELEVATIONS OF THE FIRST SYDNEY OBSERVATORY



**GOVERNOR
ARTHUR
PHILLIP**





**SKETCHES
OF THE
FIRST
OBSERVATORY
AT DAWES PT.**





RECREATION OF THE OBSERVATORY AT OLD SYDNEY TOWN

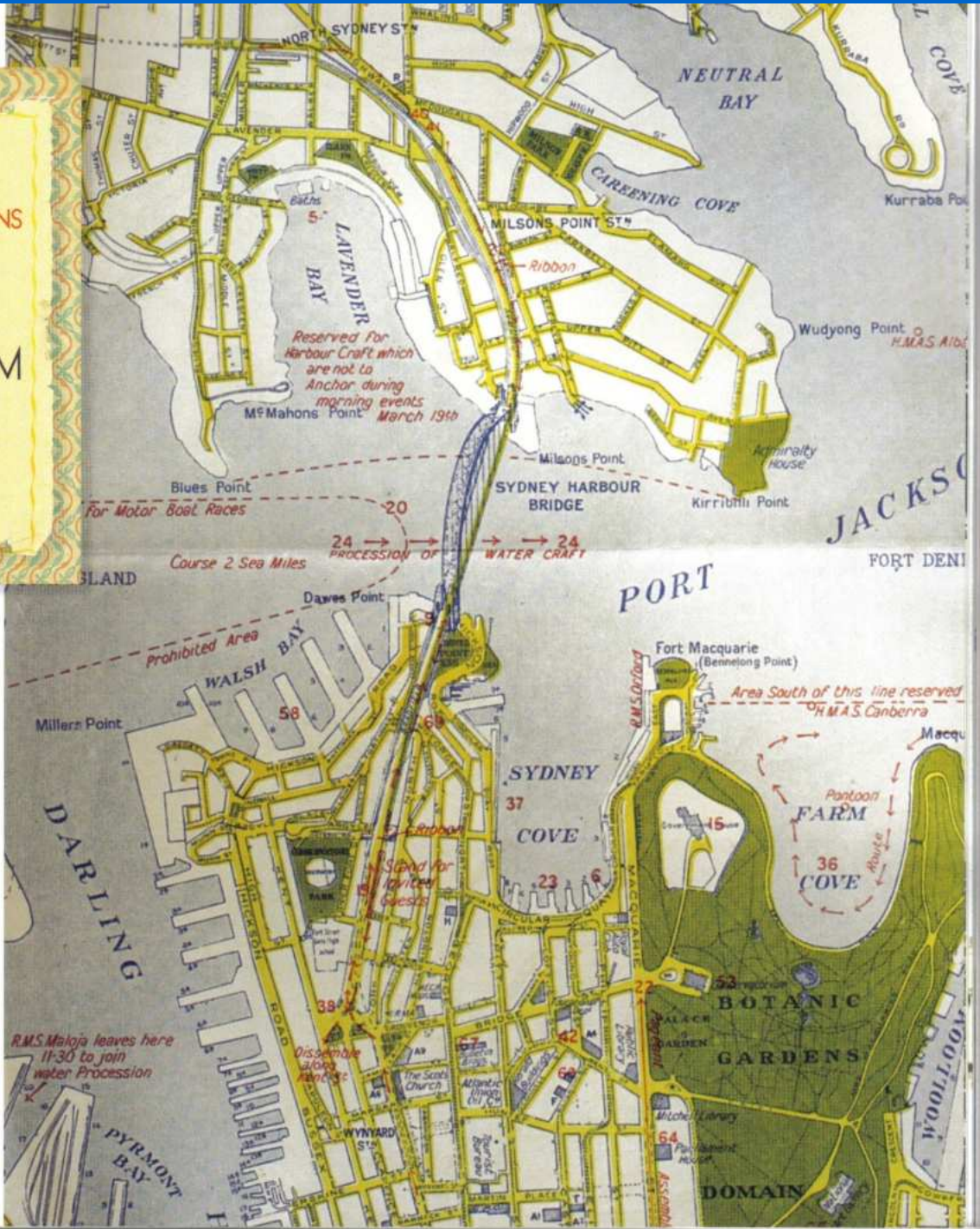
SYDNEY HARBOUR BRIDGE CELEBRATIONS
MARCH 1932



PROGRAM & MAP
PUBLISHED BY THE ATLANTIC UNION OIL CO. LIMITED

CHARTERS OF
VESSELS OF
THE ATLANTIC UNION OIL CO. LIMITED
100,000 TONS
SHELL, M.P. & CO. LTD.
LONDON, ENGLAND

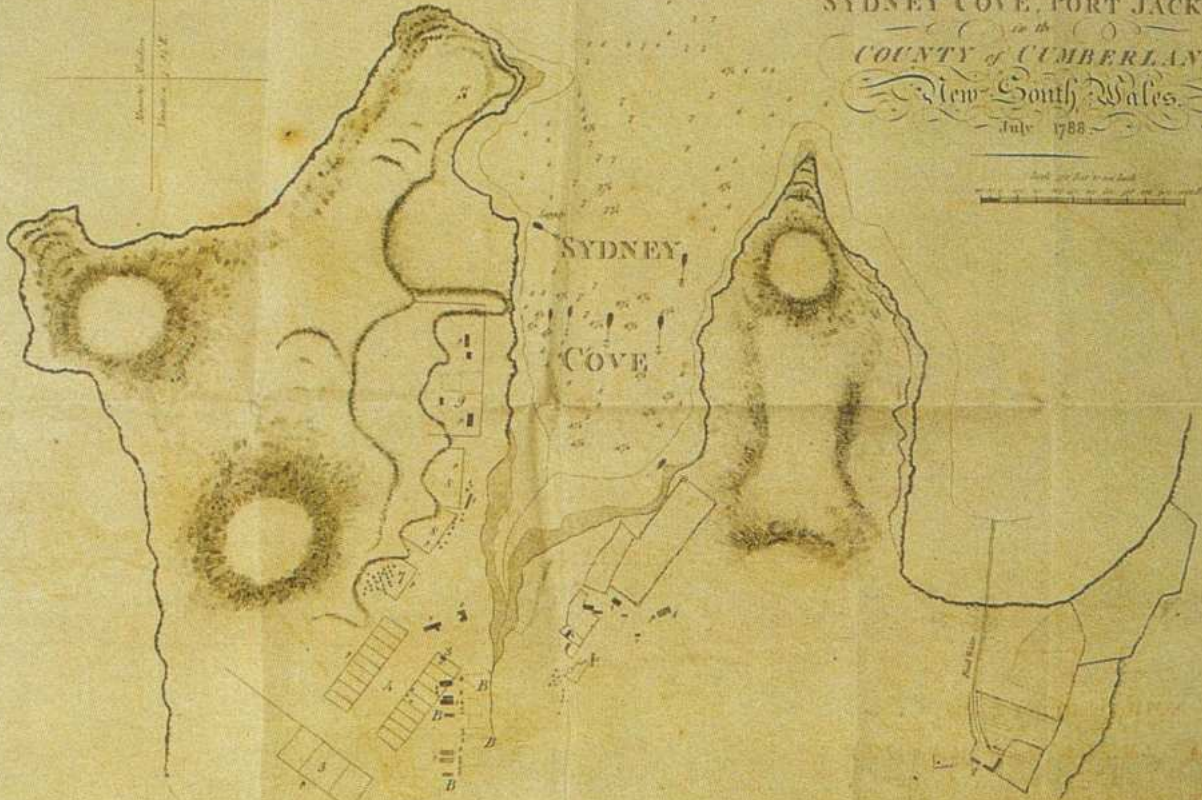
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VIEW FROM DAWES POINT BATTERY TOWARDS THE EAST

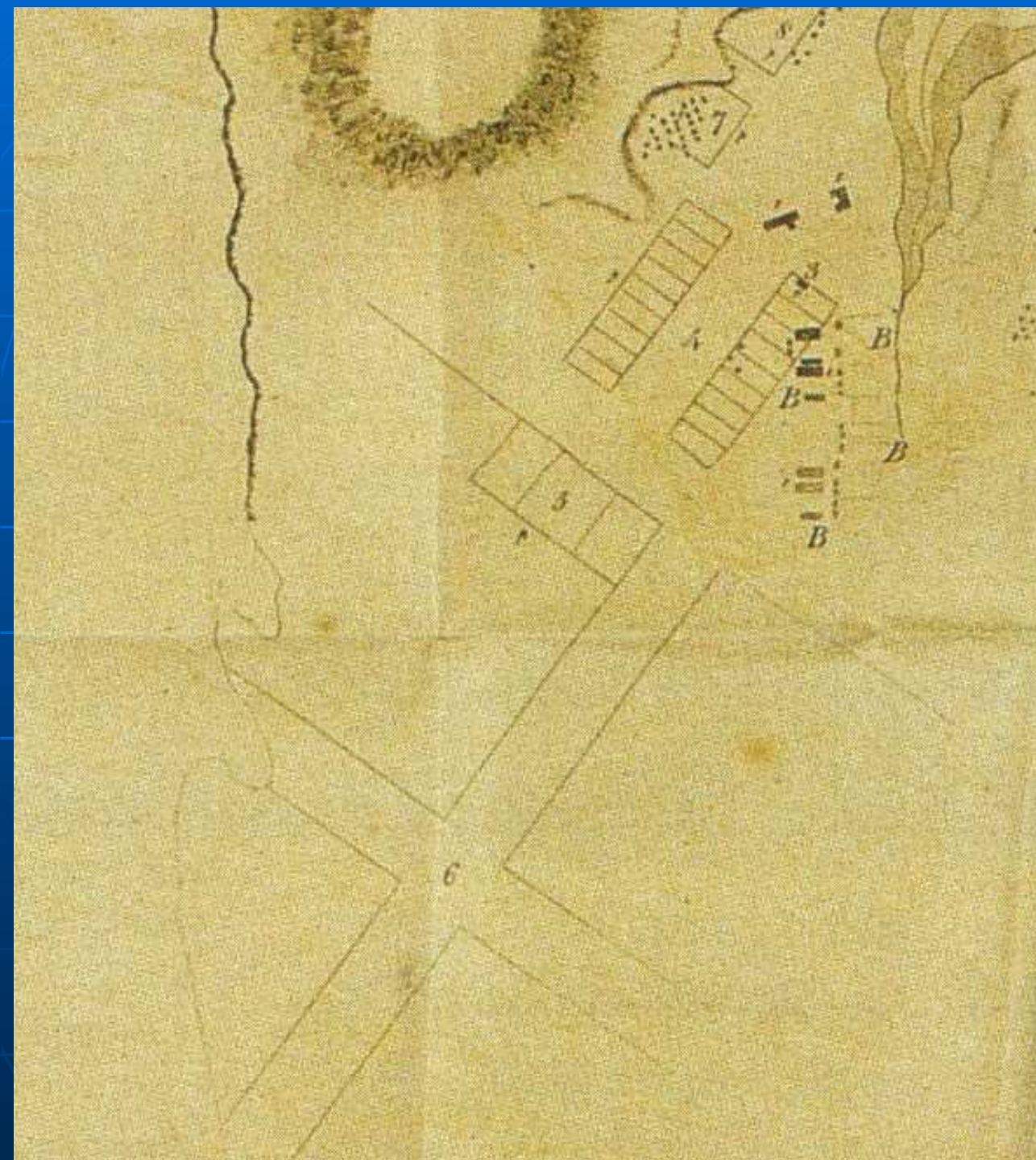
SKETCH
of
SYDNEY COVE, PORT JACKSON
in the
COUNTY of CUMBERLAND,
New South Wales.
July 1788.



REFERENCES

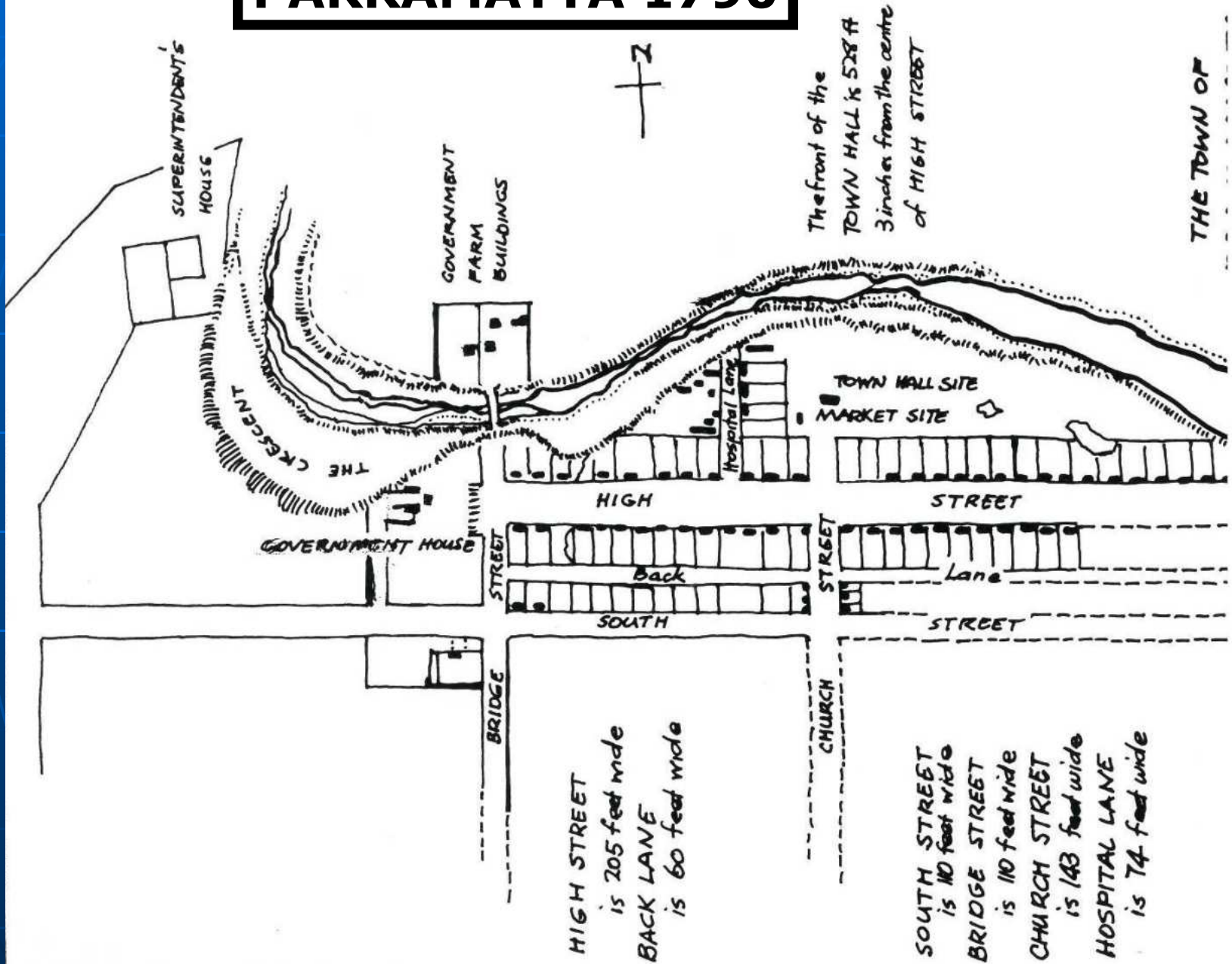
1. A small Stone building for the Governor.
2. A Store, 9' high in Corn.
3. Fortification Green, see Home.
4. The principal Street marked out.
5. Ground intended for the Governor's House, Master Guard, & Criminal Court.
6. Ground intended for buildings hereafter.
7. Ground intended for the Church.
8. Ground intended for the Workhouse.
9. The Hospital.
10. The Observatory, Longitude 151° 33' E. Latitude 33° 52' S.
11. Temporary Buildings & Mills are the permanent Buildings proposed or now existing, see p. 20. B.B.B.B. temporary Barracks.

PHILLIP'S
MAP OF
SYDNEY
JULY
1788



**PHILLIP'S
MAP OF
SYDNEY
(DETAIL)
JULY
1788**

PARRAMATTA 1790



A MAP of all those Parts of the Territory of NEW SOUTH WALES which has been seen by any Person belonging to the Settlement established at PORT JACKSON, in the said Territory.

Truthfully constructed from the best materials that could be obtained, and respectfully Inscribed to *Capt Swift* of the Royal Engineers. —
By his much obliged humble servant,
William Dawkins

In conformity with the Act and Statute in that behalf made, the Surveyor-General of New South Wales, do hereby certify that the said Map is a true and correct Copy of the original Survey, and that the same is deposited in the Office of the Surveyor-General, in the said Territory, for the use of the Public.

The whole of the Territory, which is intended to be sold in the course of the present year, is marked on this Map, and is distinguished by the word *Reserved* on the Lines.

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What is to be done in the Territory in that Direction, which is intended to be sold in the course of the present year, is marked on this Map, and is distinguished by the word *Reserved* on the Lines.

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CIRMARTHEN MOUNTAINS
Scale Hill
The Hill appears of much greater extent than it really is, and is not to be taken as a true representation of the Country.

The Country between Mount Twiss and Round Hill appears not very different from that of the Country between Mount Twiss and Round Hill.

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The part of the Country appears to be much the same as that of the Country between Mount Twiss and Round Hill.

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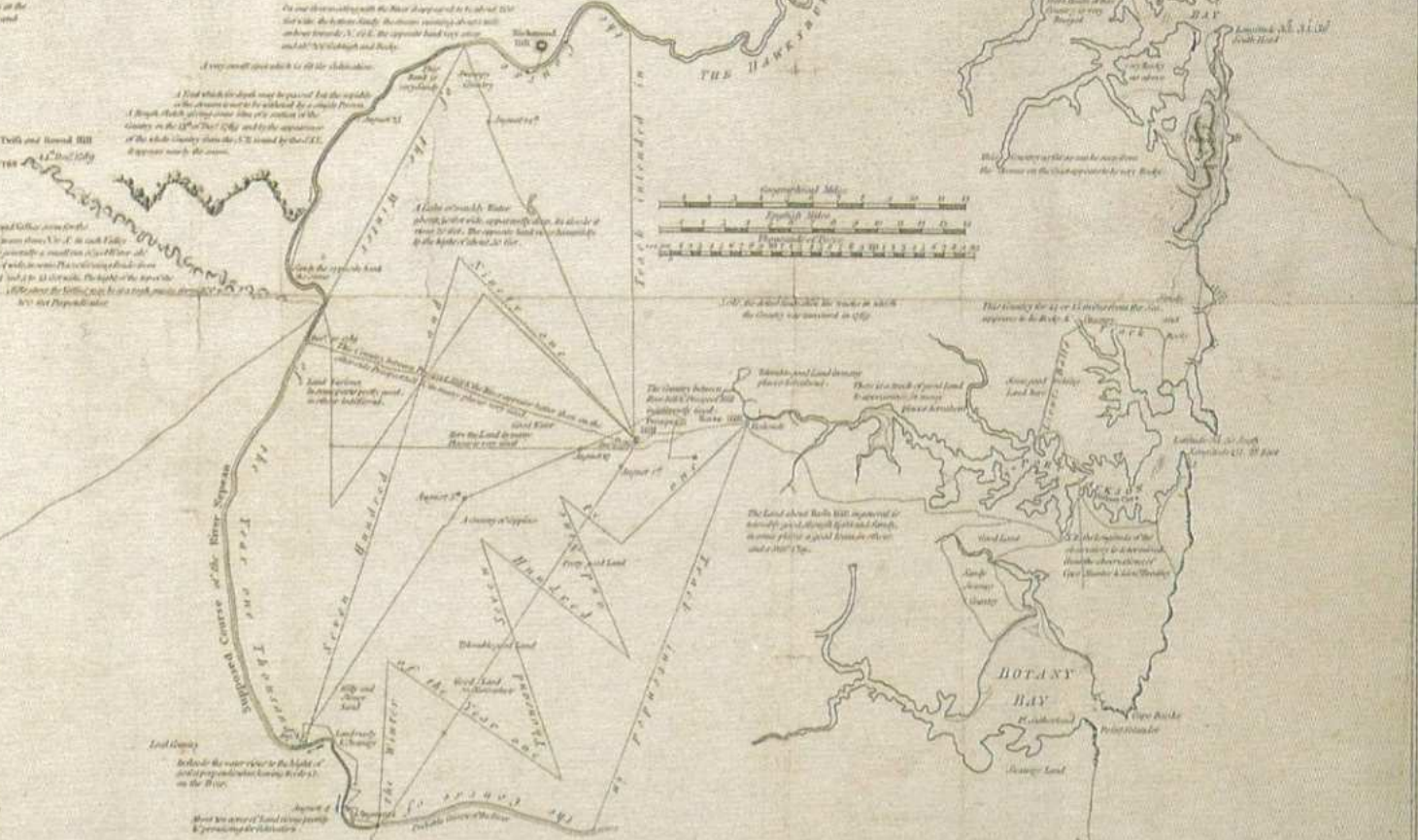
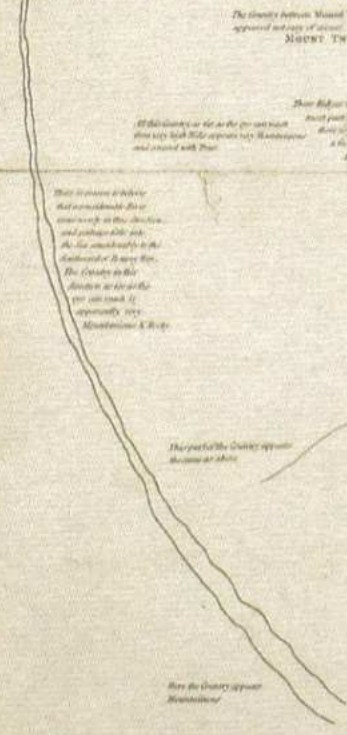
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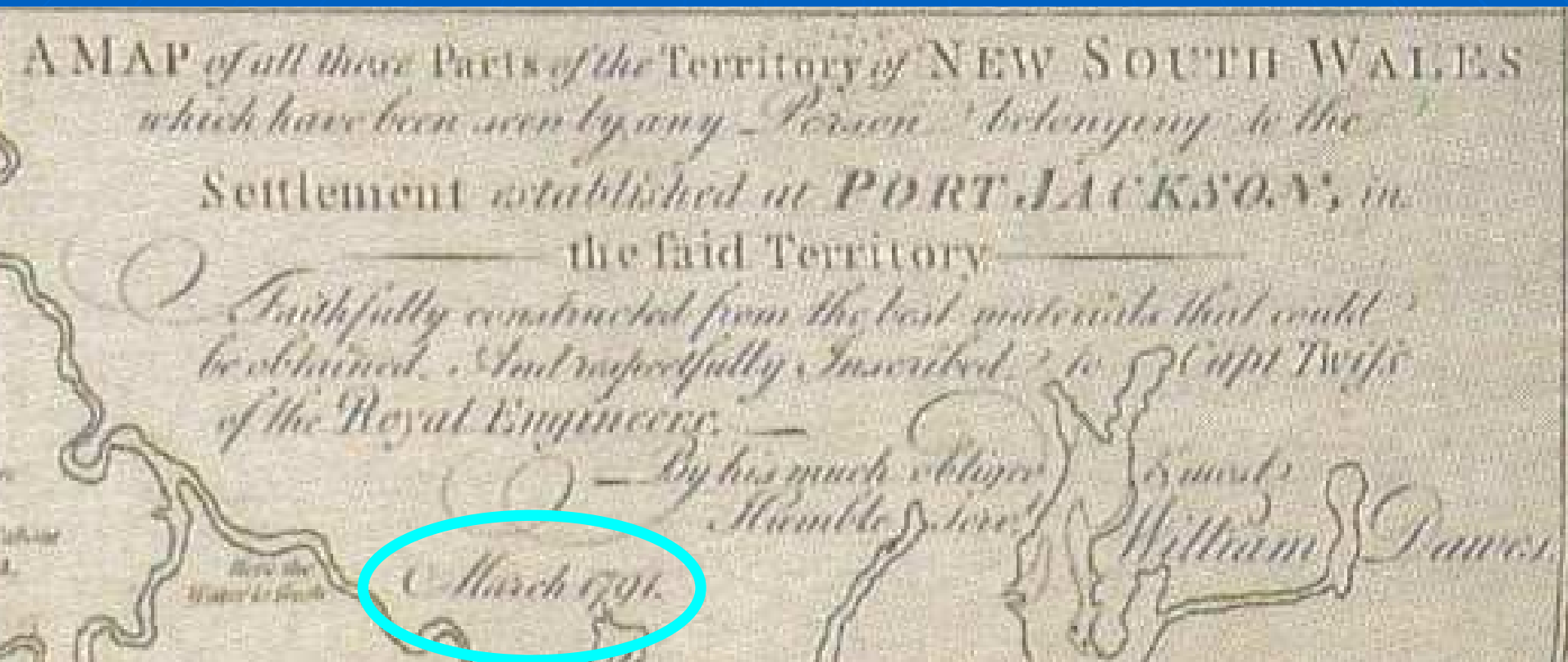
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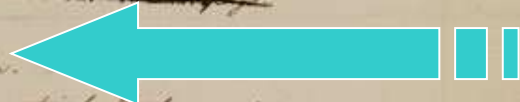
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**MAP BY DAWES
MARCH 1791**

(56) 56th List of Instruments proper for making astronomical Observations at Botany Bay

1. An astronomical Quadrant.
2. An Equal, Altitude, and Zenith Instrument in one.
3. A 33 Foot tube Object Glass, Achromatic Telescope by Dollond, with a divided Object Glass Mount, and a Micrometer with oblique Wires. To be further provided with sliding Tubes to steady the Telescope, and a common wire Micrometer for measuring Differences of Right Ascension and Declination. ~~And a small Quadrant feet 4 with a short telescope to take the Distance of any celestial Object even thro' the atmosphere~~
4. ~~Two~~ ^{one} Night Glasses.
5. An astronomical Clock.
6. A journeyman Clock.
7. An alarm Clock.
8. ~~Hornet's~~ Watch.
9. A pocket Watch, with a second Hand and ruby Balls.
10. A new 10" Sextant by Ramsden.
11. ~~An old Sextant by Ramsden.~~ *Plot*
12. ~~A portable Barometer~~
13. A portable Barometer *with a scale of altitudes, with ground of quicksilver.*
14. Two Thermometers.
15. A dipping Needle, to be used to use at Sea as well as on land. ~~For small use only~~
16. A Thermoheliometer.
17. A Gunter's Chain. 
18. ~~A box of the best instruments~~
19. ~~A B. Compass scale of equal Parts~~
20. A circular Protractor, with a Glass having Lines on it intersecting each other in the Center.
21. A new Tent Observatory, twelve Feet wide.
22. A rising Stake of moveable height by means of a screw



DAWES INSTRUMENT LIST FOR MAKING ASTRONOMICAL OBSERVATIONS AT BOTANY BAY





HARRISON'S

← H4

KENDALL'S

K1 →



KENDALL'S

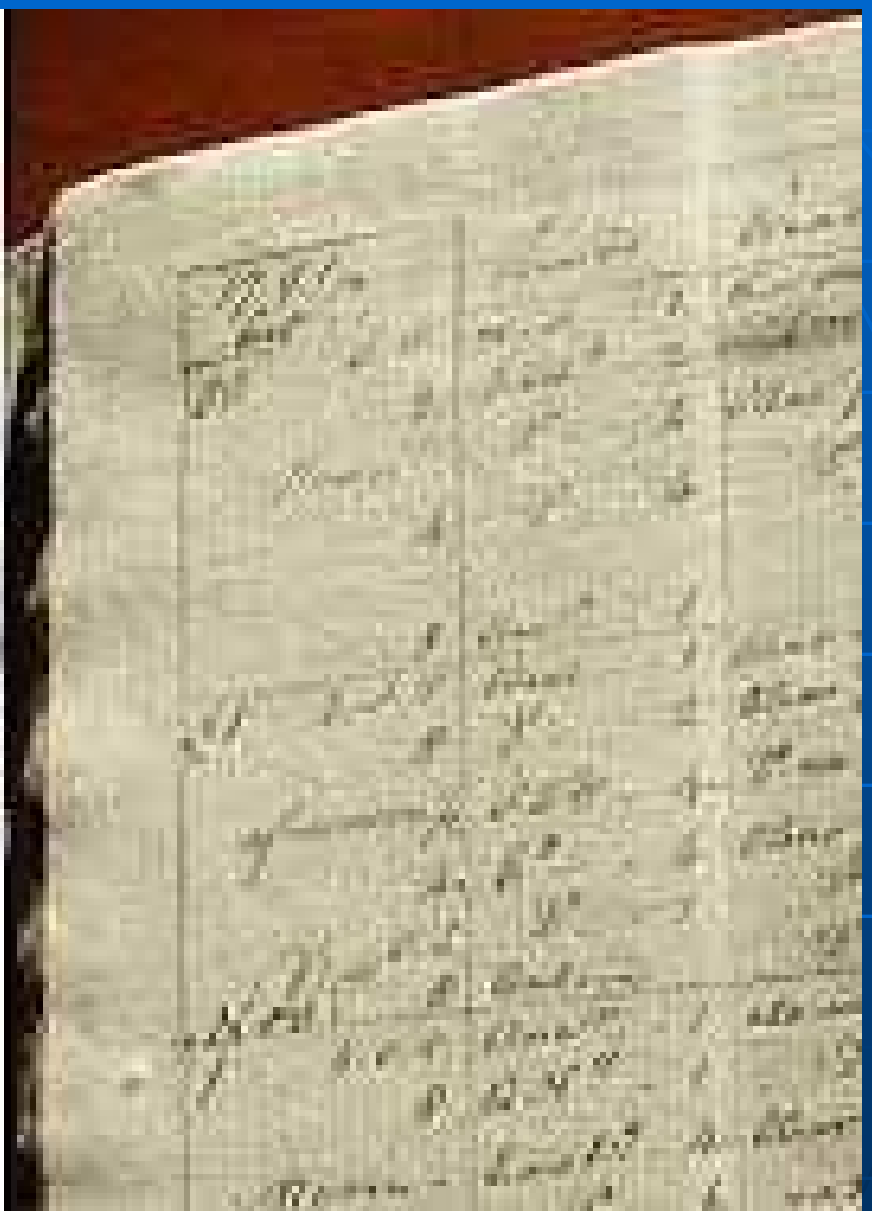
← K2



KENDALL'S

K3 →

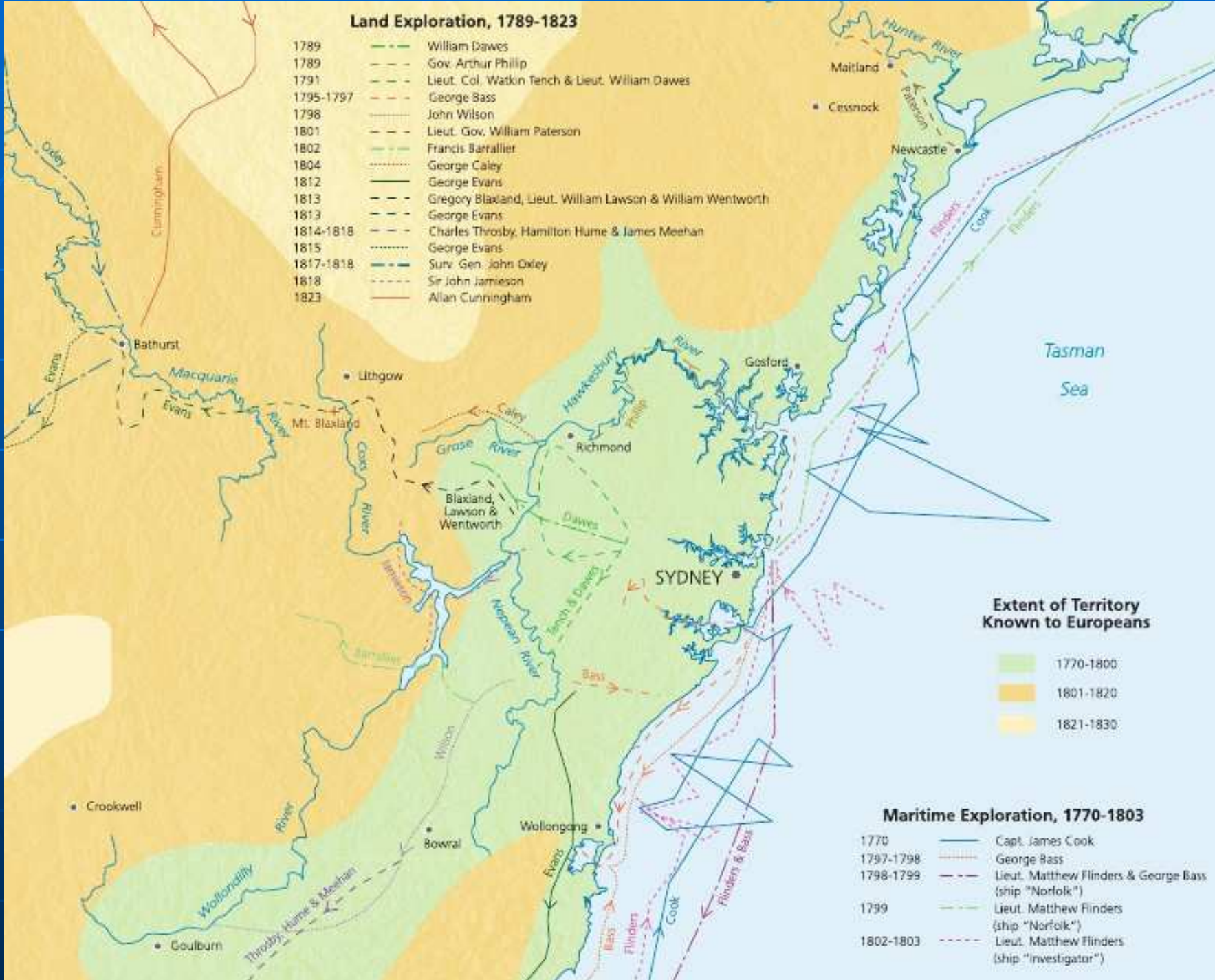




DAVES TOOK DAILY OBS OF TEMP. PRESSURE, WIND & WEATHER FROM 14 SEP 1788 TO DEC 1791 IN 182 HANDWRITTEN PAGES

Land Exploration, 1789-1823

- 1789 ——— William Dawes
- 1789 - - - Gov. Arthur Phillip
- 1791 - - - Lieut. Col. Watkin Tench & Lieut. William Dawes
- 1795-1797 - - - George Bass
- 1798 - - - John Wilson
- 1801 - - - Lieut. Gov. William Paterson
- 1802 - - - Francis Barrallier
- 1804 - - - George Caley
- 1812 - - - George Evans
- 1813 - - - Gregory Blaxland, Lieut. William Lawson & William Wentworth
- 1813 - - - George Evans
- 1814-1818 - - - Charles Throsby, Hamilton Hume & James Meehan
- 1815 - - - George Evans
- 1817-1818 - - - Surv. Gen. John Oxley
- 1818 - - - Sir John Jamieson
- 1823 - - - Allan Cunningham



Extent of Territory Known to Europeans

- 1770-1800 (Light Green)
- 1801-1820 (Orange)
- 1821-1830 (Yellow)

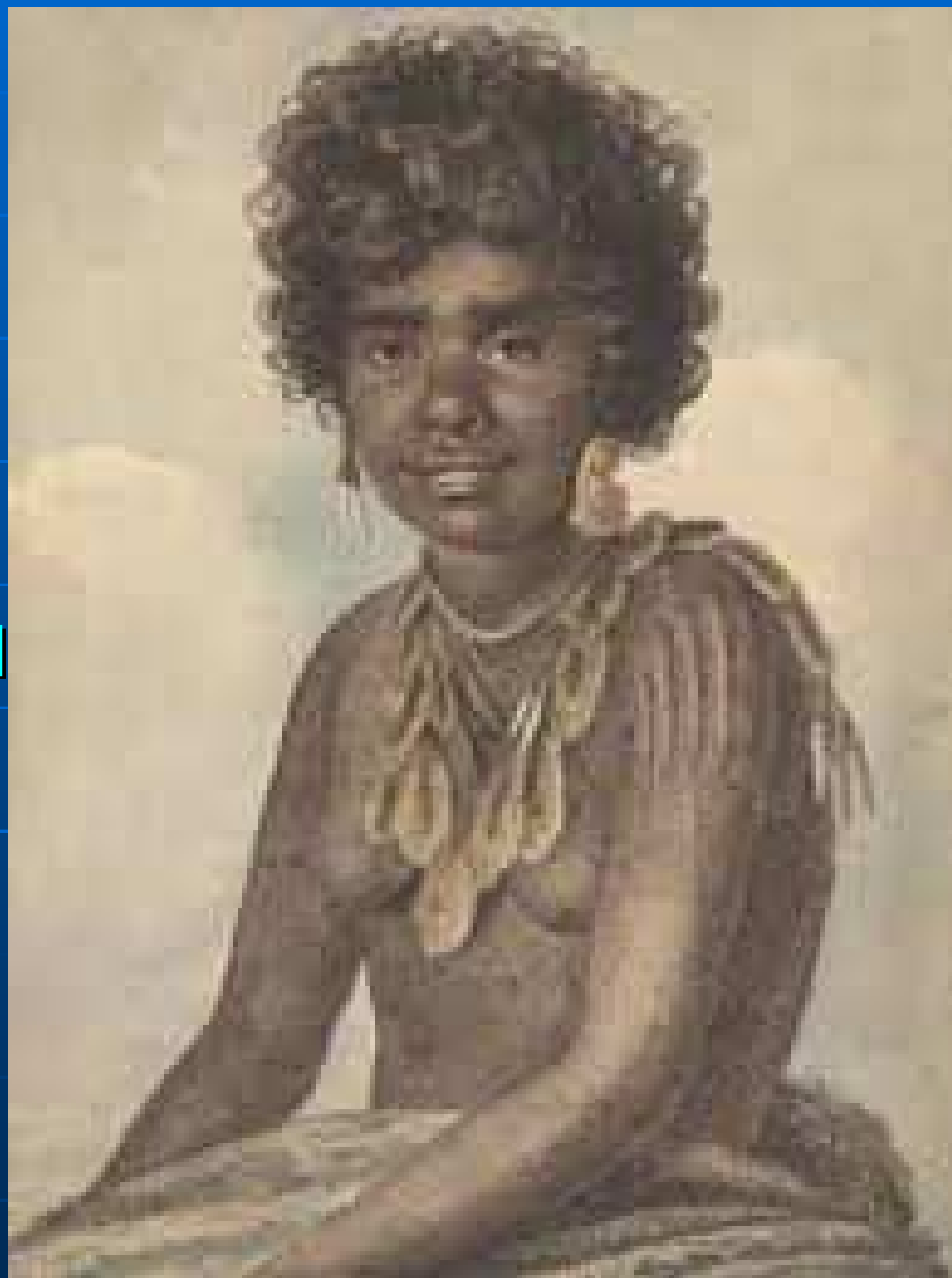
Maritime Exploration, 1770-1803

- 1770 ——— Capt. James Cook
- 1797-1798 - - - George Bass
- 1798-1799 - - - Lieut. Matthew Flinders & George Bass (ship "Norfolk")
- 1799 - - - Lieut. Matthew Flinders (ship "Norfolk")
- 1802-1803 - - - Lieut. Matthew Flinders (ship "Investigator")



DAWES JOURNEY ONTO THE BLUE MOUNTAINS (1789) AND
TENCH AND DAWES DISCOVERY OF THE NEPEAN RIVER (1790)

**AUGUSTUS EARLE
PORTRAIT OF A
YOUNG ABORIGINAL
WOMAN
DAWES OBTAINED
INTERACTIVE
LANGUAGE
INFORMATION FROM
A 15 YEAR OLD
WHOSE NAME WAS
PATYEGARANG
SHE WAS VERY
ASTUTE AND
INTELLIGENT**



**DAWES 1790
NOTEBOOK ON
THE ABORIGINAL
LANGUAGE OF
SYDNEY N.S.WALES**

Marsden Collect. - 21645^a
Grammatical forms
of the language of
N.S. Wales, in the
neighbourhood of Sydney,
by - Dawes, in the
year 1790.

Marsden Collect. - 21645^a
Grammatical forms
of the language of
N.S. Wales, in the
neighbourhood of Sydney
by - Dawes, in the
year 1790.

Other inflexions of
 Wadabingoon We shall or will drink
 This was said by Revolving on the 23^d Nov^r 1794
 immediately after what was mentioned in
 the next book in manner following
 Wadabingoon tea } We shall drink tea
 sugar } and sugar
 Wadabibban } We will drink

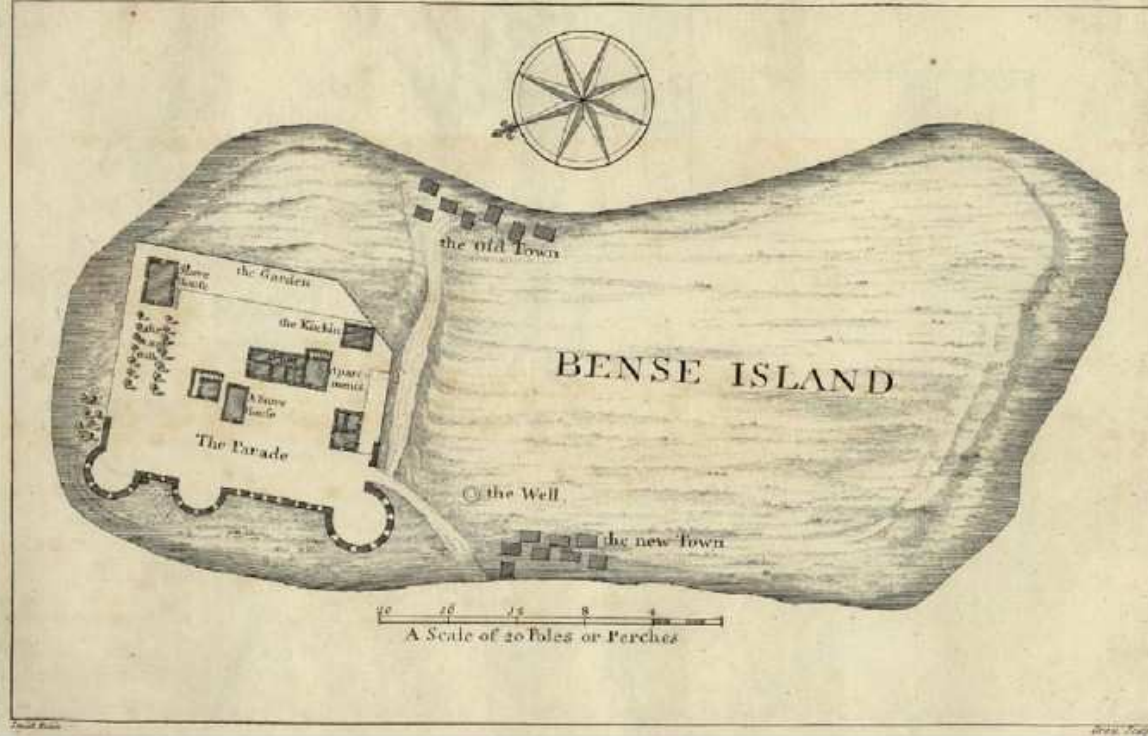
Patā To eat
 Account
 Patāfah I eat
 Patāyūmā How
 He
 He
 Ye
 They
 Part
 Patāyūmā I did eat
 Patāyūmā How
 Patāyūmā How
 He
 He
 Ye
 They
 Future
 Patāyūmā I shall or will eat
 Patāyūmā How
 Patāyūmā How
 Patāyūmā He
 Patāyūmā Ye
 Patāyūmā They

Māwāh Land, Trust, or Try Carth.
 Māwāh I asked a cloth knife
 Māwāh To open it.
 Māwāh I was troubled with difficulty
 Māwāh You (said) before
 This was said to me by Selja when I was drinking
 tea the 2^d time to please them
 Māwāh This fast slipped
 Māwāh To start, as frightened
 Māwāh I started.
 Māwāh You made me start
 Māwāh You speak an unknown language
 Māwāh Real Operations
 Māwāh I have seen
 Māwāh I have seen for Honor his
 Māwāh You worked at one
 Māwāh I work, I work, I work, I work
 Māwāh I work, I work, I work, I work

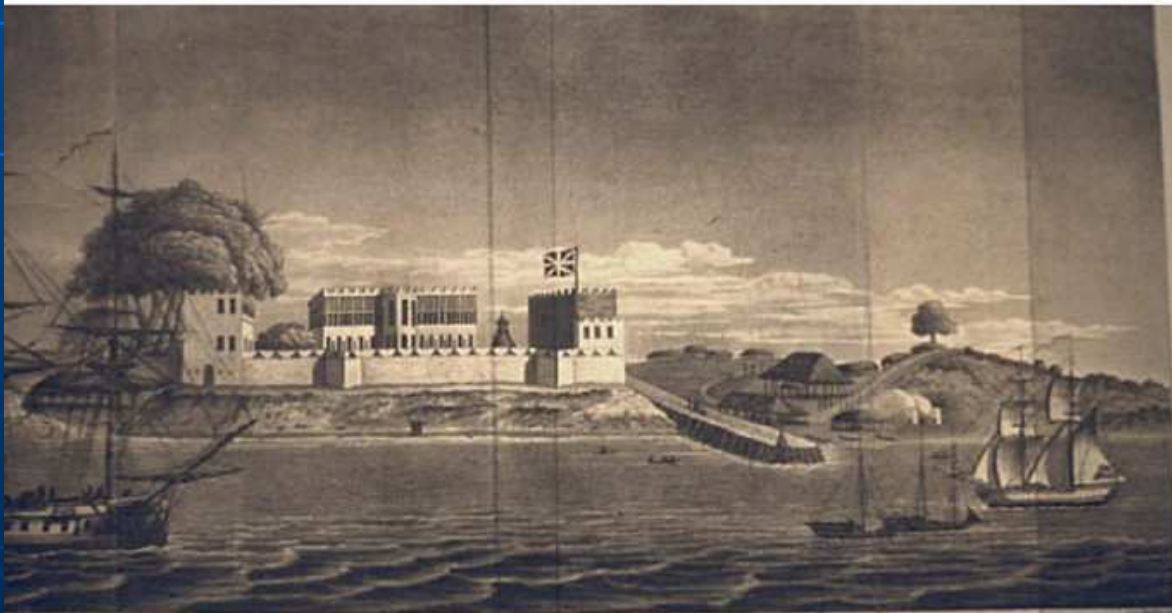
EXCERPTS FROM DAWES
 ABORIGINAL NOTEBOOKS



**DAWES LEFT SYDNEY ON
18TH DECEMBER 1791 ON THE
SHIP GORGON WHICH WAS A
SIMILAR THIRD FLEET VESSEL
TO MARY ANN AS SHOWN**



BENSE ISLAND WITH FORT IN SIERRA LEONE



BANCE ISLAND, in the RIVER SIERRA LEONE.



DAWES WAS
GOVERNOR OF
SIERRA LEONE
THREE TIMES
1792-1794
1795-1796 &
1801-1803

CARIBBEAN SEA



CLONDA GROVE

FIVE ISLANDS VILLAGE

ST. JOHN'S

ST. JOHNSTON

PORTING

BARBUDA

FRIDMANS

DARES

WINDGILLS

ALL SAINTS

BARBUDA

FRIDOWN

ENGLISH HARBOUR TOWN

A Plan of the ESTATE called **JOHNS**
situate in the Parish of St. John's in the Island of
ANTIGUA
Peter L. ANTFORD BROOKES ESQ^r



Number	Acres	Plots
1	10	1
2	10	1
3	10	1
4	10	1
5	10	1
6	10	1
7	10	1
8	10	1
9	10	1
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100	10	1



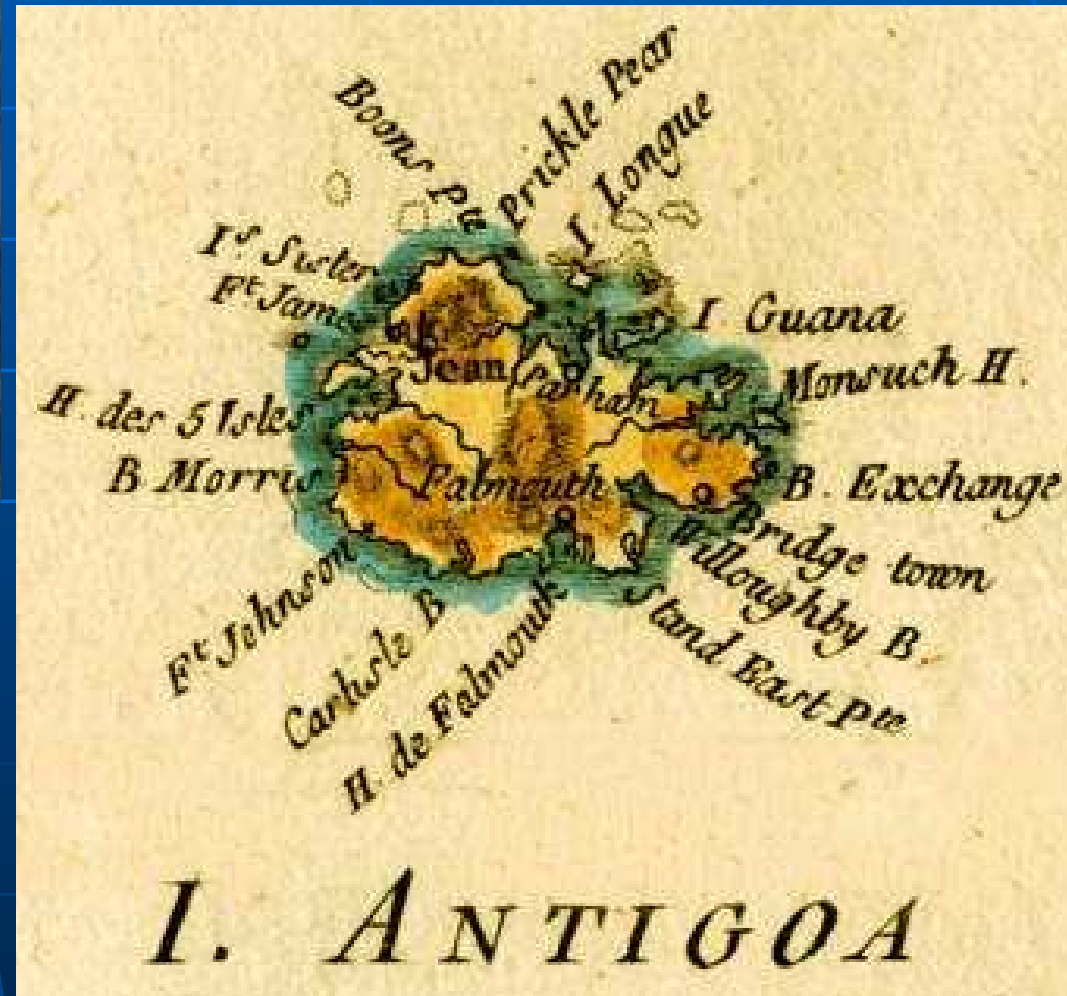


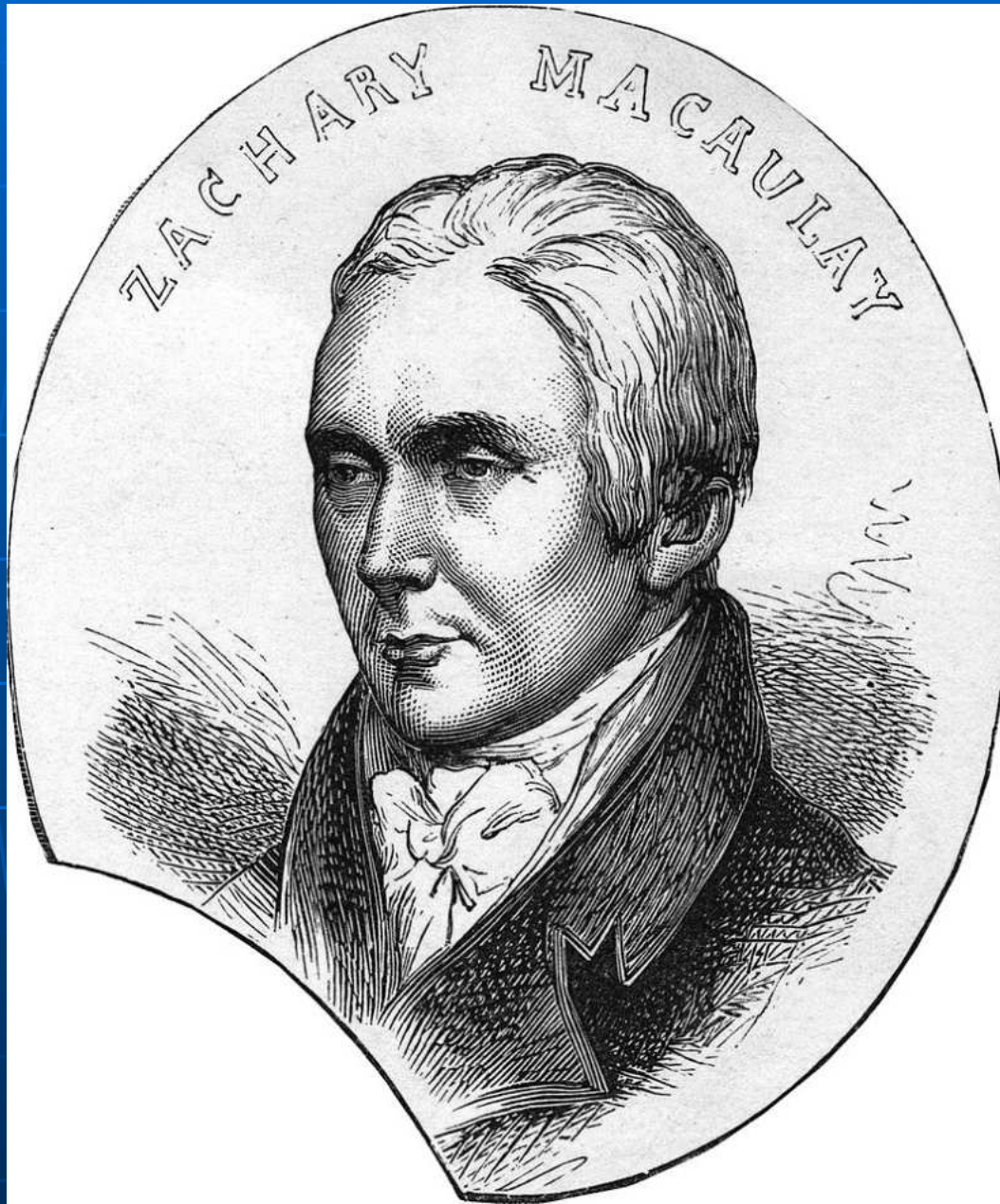
A WINDMILL AND HOUSE IN ANTIGUA

WILLIAM DAWES SET UP SCHOOLS FOR THE CHILDREN OF SLAVES IN ANTIGUA



**HE DIED
THERE
IN 1836**







**WILLIAM DAWES:
"OUTSTANDING
IN ABILITY AND
CHARACTER"
"UNDEVIATING
IN RECTITUDE"
"ONE OF THE
EXCELLENT OF
THE EARTH"
... ZACHARY
MACAULAY**

