

- (1) பக்கங்களின் எண்ணிக்கை 34
 (2) புதுக்கித் திருப்பிய நாள் Aug - 90
 (3) ஆதரங்குறிப்பவர் சுருக்கொப்பம் 6/2

தமிழ்நாடு ஆவணக் காப்பகம்.

தமிழ்நாடு அரசு

Public துறை

அரசாணை எண். மு. கோப்புத் தாள் எண்.	1169	அச்சகம் பலவகை
நாள் :	26. 10. 1874	1981.

மடிக்கவேர கண்டபடி கையாளவே கூடாது

சு

1159
7

*Proceedings of the Madras Government, Public Department,
26th October 1874.*

No. 69. Read the following despatch from the Right Honorable the Secretary of State for India :—

Geographical.

No. 3.

INDIA OFFICE, LONDON,

31st August 1874.

My LORD,—I have received your Public letter, No. 15 of 1874, dated 5th of June, together with the report of the Government Astronomer on the proceedings of the Madras Observatory during the last thirteen years.

2. The report was laid before the Astronomer Royal, and his remarks, which are contained in the accompanying letter, have my general concurrence.

Dated 4th August.

3. No trace can be found in this office of the annual reports which, as Mr. Pogson would seem to imply,* have

* *Vide* paragraph 4 of letter from Government Astronomer, dated 14th May 1874.

been furnished, and the submission of which, together with the reduction and

publication of arrears, was so strenuously urged by your Government.

4. I desire that particular attention may be given to the recommendations contained in the sixth and seventh paragraphs of Sir George Airy's letter.

5. I regret that it should be necessary here, with reference to the work of the Observatory, to urge the adoption of reforms the expediency of which was pointed out as far back as 1866 in my Public despatch, No. 37, of that year.

6. If, as Mr. Pogson represents, the refusal at that time to grant him assistance so seriously affected the work of the Observatory, this only affords an additional reason why early steps should have been taken to curtail the less urgent part of the programme of operations and concentrate every effort on the reduction of past observations, in accordance with the recommendations contained in that despatch.

I have, &c.,

SALISBURY.

His Excellency the Right Honorable

The Governor in Council, Fort St. George.

From Sir G. B. AIRY, Astronomer Royal, to Sir L. MAILLET, c.b., Under Secretary of the Indian Department, dated Royal Observatory, Greenwich, 4th August 1874.

I have the honor to acknowledge receipt of your letter of 28th July enclosing letter of N. R. Pogson, Esq., dated Madras, 14th May 1874 (printed Proceedings of the Madras Government, Public Department, 21st May 1874), and requesting that I would communicate to the Right Honorable the Secretary of State for India any remarks and suggestions that might occur to me.

2. Mr. Pogson's letter appears to me to be an important document, as well for the permanent interests of the Madras Observatory as for the arrangements pressing at the current occasion.

3. The Regulations which were considered to be in force for the direction of the Madras Observatory are contained in a Code of Instructions drawn up by Colonel J. T. Walker, R.E., (No. 4-89, dated Calcutta, 11th February 1870, from Colonel J. T. Walker, R.E., to J. Geoghegan, Esq.), which was forwarded, as approved, to the Madras Government (No. 1511, dated 21st March 1870, E. C. Bayley, Esq., to the Hon. B. H. Ellis, c.b.). The salient points on these papers are the following :—

Colonel Walker, VIII. The Astronomer will suspend observations of an astronomical nature whenever they interfere with the reduction and publication of previous obser-

*Proceedings of the Madras Government, Public Department,
26th October 1874.*

vations and their results." . . . "Annual reports of the operations of the Observatory and the progress made in publication must be submitted by the Astronomer to the Government of Madras, by whom they will be sent to the Astronomer Royal," also certain "monthly tabular statements," and in IX. other special investigations are permitted, "but always on the distinct understanding that these investigations will not be permitted . . . to retard the reduction and prompt publication of the said observations."

E. C. Bayley, paragraph 2, invites special attention to the "regular publication of results and the suspension of astronomical observations, in order to prevent arrears of publication," and paragraph 3 approves of the "Reports" as mentioned above.

4. I do not entirely understand Mr. Pogson's remark, Article 4, "under the impression that my Administration Report for each year was in itself all that was required. . . . I have not hitherto furnished any other statement of the proceedings of the Observatory." The precept which I have cited appears to me perfectly distinct; it may be prudent that measures be taken to leave no doubt on the matter to Mr. Pogson or his possible successors. I have received no report or information of any kind (except of accidental observations) since the promulgation of these instructions.

5. The error into which Mr. Pogson candidly confesses that he fell at the beginning of his tenure of office (Mr. Pogson's letter, paragraph 2) is one so likely to happen on commencing the work of an Observatory (and one which I have known in other instances), that it may be regarded as venial. But it would have been prudent to withdraw from that cause many years ago.

6. The course which Mr. Pogson now proposes (paragraph 3 of his letter) is manly and right, and I recommend that Mr. Pogson be urged to carry out his plan, even to a greater extent than his words openly express. I recommend that every observation be absolutely suspended (excepting only the insignificant transits that may be useful for special purposes, and any observation which may be rendered necessary by unexpected phenomena), and the whole strength and unbroken attention of the party at the Observatory be given to the reduction of past observations. (I may with propriety urge this direction of forces, because I have acted on it myself when short-handed at Cambridge, and I well know the enormous increase in power of calculation produced by the absence of interruption by observations).

7. The special point for which, I think, Mr. Pogson even now is hardly enough prepared, is the limitation of the extent of printing. I think it desirable, under the present oppressed circumstances of the Madras Observatory, to lay down the positive rule that *results only* (in the most advanced stage now practicable, whatever that may be) are to be printed, leaving the astronomical world to rely, for the accuracy of the steps leading to those results, on the character of the Astronomer. Thus, for stow-places a mere final catalogue ought to be printed. For other results I propose that the extent of publication customary in the papers in the *Astronomische Nachrichten* be adopted as pattern. Of the meteorological and magnetical observations *results only* should be printed.

8. The original Atlases prepared by Mr. Pogson will probably merit more careful publication, but the consideration of them may be deferred for a time.

9. I am glad to see that Mr. Pogson (paragraph 10) proposes to take up the observations of Mars, which I specially recommended several years ago.

No. 70. ORDER THEREON, 26th October 1874, No. 1169.

Ordered that the foregoing despatch and its enclosure be communicated to the Government Astronomer with request that he will act upon the recommendations contained in paragraphs 6 and 7 of the letter from the Astronomer Royal.

2. The Governor in Council especially desires that Mr. Pogson will adopt and carry into execution, promptly and effectually, his own proposal in paragraph 3

*Proceedings of the Madras Government, Public Department,
26th October 1874.*

of his report, dated the 14th May 1874, and that he will intimate to Government, once a-month, the progress which he has made in bringing up the arrears of work.

(True Extract.)

D. F. CARMICHAEL,
Acting Chief Secretary.

To the Government Astronomer.

Exd. A. S. Rodgers.

Memorandum

On Despatch from the Secretary of State for India, dated 31st August 1874. N. 3.

With this Despatch the Secretary of State forwards the remarks of the Astronomer Royal on the report of the first Astronomer dated 14th May 1874, on the proceedings of the Observatory during the last thirteen years, and remarks that no trace can be found of the Annual Reports which Mr Poyson implies, had been furnished. His Lordship further directs that particular attention

* Vide Proc: 8 21st May/74 N. 94-

We can only commend Mr Poyson to the Letter of the Astronomer Royal, with a request that he will act upon the recommendations contained in para. 4 of that Report, and especially that the

Cost of 1874

PUBLIC.

To THE GOVERNMENT ASTRONOMER.

Dated October 1874.

Recd.

Recd.

G.O. 20th October 1874, No. 1180.

100/1000

Nos. 6970.

Madras Observatory.—The despatch from the Secretary of State and its enclosure, containing remarks by the Astronomer Royal on the report of the Government Astronomer on the proceedings of the Madras Observatory during the last thirteen years, communicated to the Government Astronomer with certain instructions.



attention may be given
to the recommendations
contained in the 6th
and 7th paragraphs of
the Astronomer Royal's
letter, and regrets that
it should be necessary
again with reference to
the work of the Obser-
vatory, to urge the adop-
tion of reforms, the ex-
pediency of which was
pointed out as far back
as 1866.

2. The Astronomer Royal
in paragraph 6 of his letter
recommends

(1) That the Board
be urged to carry out the
plan proposed in para-
3 of his report, viz. that
"the whole available force
of the establishment be

concentrated

that he will adopt
it carry into execution
as promptly and
effectually his own
proposed in para 3
of his Report: and that
the Board will permit
him to make repairs
of the property which

has been made in the work

22/10

concentrated upon the
reduction and publication
of the annals," even to a
greater extent than his
words openly express.

(2) - That every ob-
servation be absolutely
suspended (excepting only
the insignificant transits
that may be useful for
social purposes, &c.) and
the whole strength and
unbroken attention of the
party at the Observatory
be given to the reduction
of past observations.

(3) - That the print-
ing of observations be li-
mited.

(4) - That a positive rule
be laid down that results
only be printed. Thus,
for star places a mere
final catalogue. For
other

other results, the extent
of publication customary
in the papers in the U.S.
transmission Nachrichten
to be adopted as a pattern.
Of the meteorological
and magnetical obser-
vations, results only to
be printed.

3. The "annual reports"
to which Mr. Poyson
refers in para 3 of his
report dated the 21st
May 1874, are the ad-
ministration Reports fur-
nished by each head
of Department, the sub-
stance of which is given
in the general adminis-
tration Report of the Pre-
sident for each official
year.

4. The reforms suggested
by

by the Secretary of State
in his despatch dated
31st October 1866, No 27,
were

(1) - that Mr. Poyson
should exert himself, as
far as was consistent with
attention to the special
subjects which he had
chosen for himself, to bring
up the arrears in the re-
duction and discussion of
observations already received.

(2) - that he should
be instructed to place
himself in official cor-
respondence with the As-
tronomer Royal, and
to carry on his operations
in communication with
that officer.

Vide fo. 7 11th Decr. /66,
N. 1254.

5. These instructions
were duly communicated
to

to Mr. Pogson, and he was directed to keep them in view.

6. In 1870 the Govt. of India had drawn up by the Supdt. of the Great Trigonometrical Survey of India, "a code of instructions defining the future operations of the Madras Observatory," and, in sending the Code to this Govt., invited their special attention to the clause which provided "for the regular publication of results, and the supervision of astronomical observations in order to prevent errors of publication", adding: "The Governor General in Council attaches

the

vide their letter
of 21st March 1870.
N^o 1571.

Vide G.O. No 399 of
7th April 1870

the greatest importance to the strict observance of this clause. The history of the Observatory clearly shows the necessity of regular publication, and while the Governor General in Council is satisfied of Mr. Pogson's ability and willingness as an observer, there can be no doubt that the usefulness of the institution hitherto has been materially affected by the want of attention to this point."

7. The letter from the Govt. of India, with the Code of Instructions, was furnished to the Govt. Astronomer with the direction that he will "strictly conform to

to the Code; and antici-
pating that the Govt. de-
sired anxiously to improve
upon him the necessity
of his observance of the
Code, viz. -

Rule III. The failure
of the Observatory in gene-
ral usefulness, having been
thereto mainly, if
not altogether, owing to
the great delay in pub-
lication, the Astronomer
shall suspend observations
of an astronomical nature
whenever they interfere with
the reduction and publica-
tion of previous observa-
tions and their results.

The publications should,
as a rule, be issued in
annual volumes, similar
to those which are issued
by the principal Observatories

in

11/89
8

in England. In addition
to these volumes, annual
reports of the operations of
the Observatory and the
progress made in publica-
tion must be submitted
by the Astronomer to the
Govt. of Madras, by whom
they will be sent to
the Astronomer Royal
whose criticism thereon
will be invited. Until
the present enormous amount
of arrears of publication is
worked off, the Astro-
nomer should send in
monthly tabular state-
ments of the arrears of
reduction and publication
to the Govt. of Madras
in a concise form so as
to exhibit the progress
which has been made in
working off the arrears
during

during the month.

Rule 1st. The Astronomers will be free to undertake any other special investigations which they may wish to pursue, but always on the distinct understanding that these investigations will not be permitted to interfere with the regular routine of observations specified in the foregoing paragraphs, nor to retard the reduction and prompt publication of the said observations.

P. On the 9th July 1873 the Govt. of India asked this Govt. to call on Mr. Pogson to submit "a report showing the progress he has made in the reduction and publication of results in accordance with Clause III of the Code of Instructions." The Govt. Astronomer

11-9
f.O. of 21st July 1873
N^o 763.

See f.O. of 17th March
1876. N^o 312.

Vide Pres. of 26th Sept.
1876. N^o 1048.

14
Astronomer was accordingly called upon to submit the report.

9. After repeated reminders Mr. Pogson furnished his report dated the 11th May 1876 (Pres. of Govt. 21st May 1876. N^{os} 90 to 92).

10. The Superintendent of the Great Geometrical Survey brought to the notice of the Govt. of India on the 27th August 1876, N^o 62-605, that "during the last five years" he has asked Mr. Pogson "repeatedly, both privately and officially" for some information relating to the "latest values of the latitude and longitude (the latter more particularly) of the Madras Observatory; but without avail." Mr. Pogson was, on the 26th September last, called upon

upon to furnish the
information required with
as little further delay
as practicable, but he
was not yet done so.

Memorandum
on subject for
the Secretary of
State for India
and Burma

200/10
Pub 11-0074-1169

No 7.

Copy Letter from the Astronomer
Royal, dated 4th Aug^r 1874.

Geographical
No. 3

India Office,
London, 31st August 1874.

My Lord,

1. I have received your
Public Letter No. 15 of 1874
dated 5th of June, together with
the Report of the Government
Astronomer on the proceedings
of the Madras Observatory
during the last thirteen years.

2. The Report was laid
before the Astronomer Royal,
and his remarks, which are
contained in the accompanying
letter, have my general
concurrence.

3. No trace can be found
in

Referred to in Geographical Letter
Madras, No 3, dated 31st Aug^r 1874

Ld

Dated 31st Aug^r 1874

His Excellency
The Right Honourable
The Governor in Council,
Fort St. George.

Vol 1385/74

Public 1874 -

Proc. 26 October 1874 -

Geographica
31st Aug 1874

The
Letter to Fort St. George

No 3.

Ref 26th September 1874

15 1874

Remarks &
suggestions on the
Report of the Fort
Astronomer on the
Proceedings of the
Madras Observatory
during the last 13 years

1469
13
+ 3
Royal Observatory, Greenwich
4th August 1874.

Sir,

I have the honor to acknowledge receipt of your letter of 20th July enclosing letter of N. R. Pogson Esq. dated Madras 14th May 1874 (Printed Proceedings of the Madras Government, Public Department, 21st May 1874), and requesting that I would communicate to the Right Honorable the Secretary of State for India any remarks and suggestions that might occur to me.

2. Mr. Pogson's letter appears to me to be an important document, as well for the permanent interests of the Madras Observatory as for the arrangements pressing at the current occasion.

3. The Regulations which were considered to be in force for the direction of the Madras Observatory are

Sir Louis Mallet C.B.

Under Secretary of the Indian Department.

are contained in a Code of Instructions drawn up by Colonel J. J. Walker R. E. (N. 14. 89, dated Calcutta, 11th February 1870, from Colonel J. J. Walker R. E. to J. Geoghan Esq.) which was forwarded, as approved, to the Madras Government (N. 1511, dated 21st March 1870. E. C. Bayley Esq. to the Honorable B. B. Ellis C. B.) The salient points on these papers are the following.

Colonel Walker VIII. "the Astronomer will suspend observations of an astronomical nature whenever they interfere with the reduction and publication of previous observations and their results" ... "annual Reports of the operations of the Observatory and the progress made in publication must be submitted by the Astronomer to the Government of Madras, by whom they will be sent to the Astronomer Royal." Also contains "monthly tabular statements". And in IX, other "special investigations are permitted" but always on the distinct understanding that these investigations will not be permitted to retard the reduction and prompt publication of the said observations.

E. C. Bayley. Paragraph 2, induces special attention to the regular publication of results, and the suspension of astronomical observations in order to prevent arrears of publication. And paragraph 3, approves of the Reports as mentioned above. 4. I do not entirely understand Mr. Pogson's remark, article 4 under the impression that my Administrative Report for each year was in itself all that was required. I have not hitherto furnished any other statement of the proceedings of the Observatory. The precept which I have cited appears to me perfectly distinct, it may be prudent that measures be taken to leave no doubt on the matter to Mr. Pogson or his possible successors. I have received no Report or information of any kind (except of accidental observations) since the promulgation of these Instructions. 5. The error into which Mr. Pogson candidly confesses that he fell at the beginning of his tenure of Office (Mr. Pogson's letter, paragraph 2) is one so likely to happen on commencing the work of an Observatory (and one which I have known in other instances that

that it may be regarded ^{as} venial,
But it would have been prudent
to withdraw from that cause many
years ago.

The course which Mr. Pogson
now proposes (paragraph 3 of his letter)
is mainly and right, and I recommend
that Mr. Pogson be urged to carry
out his plan, even to a greater
extent than his words openly express.
I recommend that every observation
be absolutely suspended, (excepting
only the insignificant transits that
may be useful for social purposes,
and any observation which may be
rendered necessary by unexpected
phenomena), and the whole strength
and unbroken attention of the party
at the Observatory be given to the
Reduction of past observations. I may
with propriety urge this direction
of forces, because I have acted on it
myself when short-handed at Cambridge
and I well know the enormous increase
in power of calculation produced
by the absence of interruption by observations.)
The special point for which,
I think, Mr. Pogson even now is
hardly enough prepared, is the
limitation of the extent of printing.

3 11 1/2 15
- I think it desirable under the
present oppressed circumstances of the
Madras Observatory, to lay down
the positive rule, that results only
(in the most advanced stage now
practicable, whatever that may be)
are to be printed, leaving the
astronomical world to rely, for
the accuracy of the steps leading
to those results, on the character
of the Astronomer. Thus for ~~now~~ places
a mere final catalogue ought to be
printed. For other results I propose
that the extent of publication is
customary in the papers in the
Astronomische Nachrichten be adopted
as pattern. Of the meteorological
and magnetical observations, results only
should be printed.

8. The original Atlases prepared by
Mr. Pogson will probably merit more
careful publication, but the consideration
of them may be deferred for a time.

9. I am glad to see that Mr. Pogson
(paragraph 4) proposes to take up the
observations of Mars which I specially
recommended several years ago.

I have &c

(87) G. B. Airy

Public Department
1869
18
Proceedings of the Marine Government.

Read the following
Despatch from the
Ministry of State, of 31st August 1874.
N^o 3.

Order of the 26 Oct. 1874 N^o 1169.

Ordered that the
going Despatch and its en-
closure be communicated
to the ^{for} Astronomer, with
request that he will act
upon the recommendations
contained in paras 6 and 7
of the letter from the As-
tronomer Royal.

2. The Governor in Council
expressly desires that the
Poyson will adopt and carry
into execution, promptly
and effectually, his own
proposals.

performed for 3 of his
report dated the 14th
May 1874, and that he
will intimate to you, in
a month, the progress which
he has made in bringing
up the arrears of work.

L
The Govt Astronomer

24/10/74

Letter
to the good woman

to the good woman 1874-1875

No 69-70.

Madame de la Roche
The beautiful house
at the end of the
road, with the garden
and the park, is
a very beautiful
place, and the
house is very
large and comfortable.

Madame de la Roche
The beautiful house
at the end of the
road, with the garden
and the park, is
a very beautiful
place, and the
house is very
large and comfortable.