

DEPARTMENT OF COMMERCE AND INDUSTRIES.

DEPARTEMENT VAN HANDEL EN NYWERHEID.

FILE No. 543/94/1  
LÉER No.

SUBJECT ONDERWERP Guano Islands.

Mauin + (P. Edward Islands)  
Development.

Inter Departmental Committee

from April 1951.

REFERENCES :

REFERENSIES :

FILE No.  
LÉER No.

543/94/1



328

Tele. "MENTUM".

Ref. M.11/14.

'Phone: 3.3081 Ext: 44  
DEPARTEMENT VAN VERVOER.—DEPARTMENT OF TRANSPORT.

4th Floor,  
Sanlam Buildings,  
PRETORIA.

The Secretary for Agriculture  
and Forestry,  
PRETORIA.

27 MAR 1951

Marion Island.

As you are no doubt aware Marion Island has been operated as a Weather Station by this Department since its annexation by the Union just over three years ago.

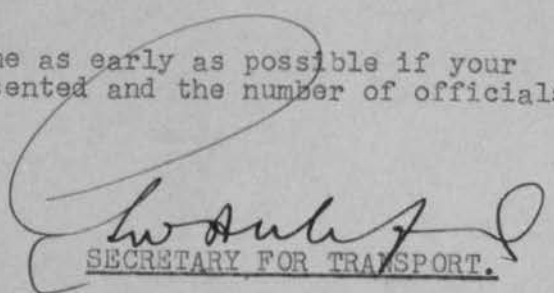
The possibility of developing the island and investigating its possible resources has been raised and the following suggestions put forward:-

- (a) The establishment of a small colony;
- (b) Farming operations to provide fresh vegetables and meat for the officials;
- (c) Afforestation;
- (d) A sea-elephant oil industry;
- (e) Scientific research in the fields of geology, zoology, botany and ichthyology;
- (f) Other activities which may be suggested.

The matter was laid before the Hon. the Minister for Transport who wishes that a conference of representatives of Departments which may be interested be called to discuss this matter,

It is suggested that a meeting of representatives of such Departments be held at the office of the Secretary for Transport, SANLAM Buildings, Pretoria, on Tuesday, 3rd April, 1951, at 10 a.m.

Please inform me as early as possible if your Department will be represented and the number of officials who will attend.

  
SECRETARY FOR TRANSPORT.

2  
~~327~~

R. 176/94.

30 MAR 1951

SECRETARY.

D. A. E. R.

MARION ISLAND.

I enclose for your information a copy of minute No. M.11/14 dated the 27th March, 1951, received from the Secretary for Transport.

It will be appreciated if you will kindly arrange that an officer of your Division attends the meeting in question.

M. J. CLOETE

SECRETARY.

NJC/JMK.  
30.3.51.

COPY.

To:- Met Pretoria.

From:- Marion.

X122. Livestock report. Pigs. The large sow farrowed on the 13th February. Estimates of the number of piglets she would produce ranged from eight to sixteen. However no more than two arrived both females. Naturally as far as they are concerned there is no shortage of food and are in very fine condition. Possibly the sea voyage had an effect on the size of the litter as the pigs, particularly the large sow, were very sick during the voyage. The other two pigs as well are maintaining excellent condition.

Sheep. It is noticeable that the weights of the carcasses of the three last sheep slaughtered are within two pounds of each other. Although they have abundant grazing it would appear as though the sheep are not really increasing in weight. It is proposed that the batch of sheep to arrive in April be given a small regular ration of crushed mealies. One of the sheep from the present batch No. A1 will be carried over and the relieving Officer in Charge will be requested not to slaughter it until October. This will give a skin with a year wool growth on Marion. ends.

Met Marion.

30.3.51.

①

TO MET PRETORIA  
FROM ADMIN MARION

X013

ALL TREES EXCEPT SMALL ONES (NAME LOST IN TRANSIT)  
IN TWO WOODEN BOXES TRANSPLANTED STOP THESE HAVE SUFFERED  
SOMEWHAT FROM COLD AND BLIGHTING WINDS ARE BEING KEPT  
IN SHELTERED SPOT TO BE TRANSPLANTED AT LATER DATE STOP  
TREES PLANTED 30 TH OCTOBER, ALONG SLOPE OF RISE BEHIND  
LIVING QUARTERS GIVING GOOD DRAINAGE AS WELL AS PROTECTION  
FROM WIND AND AN EASTERLY ASPECT STOP BOTTOMS OF TINS  
WERE REMOVED AND TREES PLANTED WITH ORIGINAL SOIL  
ON OVERTURNED SODS IN HOLES 15 TO 20 FEET APART STOP  
SOIL IS OF VERY FINE GRAIN AND APPEARS TO BE  
OF SOME CLAY COMPOSITION STOP SAMPLES WILL BE FORWARDED  
FOR ANALYSIS STOP TO DATE ALL TREES PIANTED ARE GROWING STOP  
SOME HOWEVER HAVE BEEN CAUGHT BY THE WIND MORE THAN OTHERS  
CYPRESUS  
PINUS PINASTER AND LAWSONIANA SHOWING MOST  
MARKED GROWTH AND BEST ADAPTABILITY STOP FORMER SHOWING  
UP TO FIVE INCHES OF NEW GROWTH IN CROWNS STOP  
IN LATTER MORE THAN TWO INCHES OF GROWTH HAS BEEN MEASURED STOP  
ORDER OF PROGRESS OF BALANCE AS FOLLOWS CASUARINA  
EQUISETIFOLIA, CUPRESSUS TORULOSA, ARAUCARIA COOK ENDS  
FROM MET MARION

ACK PSE

ACK AR

MET PRETORIA.

X074. Verslag van groentesade geplant. Op 21 November is verskillende sade in twee bakke geplant. 50 van elke soort is geplant en het as volg op gekom.

Beet na 2 weke, radyse na 3 weke, uie na 4 weke, wortels na 5 weke.

Volgende is persentasie plantjies op 2 Januarie in Bakke een en twee onderskeidelik. Beet 30 en 32, Radyse 2 en 8, uit 4 en 20, wortels 24 en 16. Bak een was uit die wind gehou en in die son gesit en soms binne gebring. Bak twee het onder alle weerstoestande buite gestaan.

MET MARION.

3

Dr. Met. ZtPR

X181. Verslag van groentesade geplant. Van die sade wat op 21 November geplant is se plantjies groei die volgende. Almal persent.

Kontrole bak d.w.s. bak een ; Radys 6, beet 24, wortels 36, uie 16.

Eksperimentele bak d.w.s. bak twee ; Radys 2, beet 14, wortels 28 en uie 4. MET PERTORIA.

Van radys sade wat op 13 Januarie geplant is, is 'n bak met bemeste grond en onder eksperimentele kondisies groei 21 persent. En die bemeste akkertjie in 'n baie beskutte plek is die persentasies wat groei as volg.

X074. Verslag van groentesade geplant. Bons geen, tamaties geen, ertjies sewentig, Maekoning slaai geen, November te verskillende sade in twee bakke geplant. borcole 10, kool 21 en brussels sprouts 21. Hier en daar het die wind die ertjies gewang. Plantjies lyk almal baie gesond maar groei blykbaar baie stadig. Sinds...

Volgende is persentasie plantjies op 2 Januarie in bakke een en twee onder...

0755 ZRS.

Radys 2 en 8, uie 4 en 16, wortels 24 en 16. Bak een was uit die wind gehou en in die een groei en some binne gebring. Bak twee het onder gelyke omstandighede hante gestaan.

HK.

MET MARION.

(4)

12/1 Zrs Adm Marion 25 147 020730Z

Dr Weerburo LTPR.

X155. Verslag van groenteseede geplant. Volgende persentasie groei op datum. Kontrole bak, Radys 4, beet 12, wortels 22, uie 8. Ek-sperimentele bak. Radys geen, beet 10, wortels 18, uie 2. Radys bak bemeste grond 16 bemeste akkerjie bone geen, tamaties geen, ertjies 68, Mackonig slaai geen, borcole 10, kool 12, brussels sprouts 37. Op 24 Maart is die grootste radys uit elk van die twee bakke waarin sade op 21 November geplant is sowel as die radyse uit die bemeste kas wat op 13 Januarie geplant is by middagete ge-eet. Die jong radyse was natuurlik bietjie kleiner as die oueres. Ryp op 27 Februarie het die ertjies bietjie gevang maar met die mooi weer van Maart was hulle binne twee weke weer normaal. Groei baie stadig egter, en is nou ongeveer drie duim hoog. Bone Tamaties en slaai het glad nie opgekom nie. Einde.

Met Marion.



UNIE VAN SUID-AFRIKA.  
MINISTERIE VAN VERVOER.



UNION OF SOUTH AFRICA.  
MINISTRY OF TRANSPORT.

R176/94

T.V. 2

3

Teleg. Ad: "MOMENTUM"

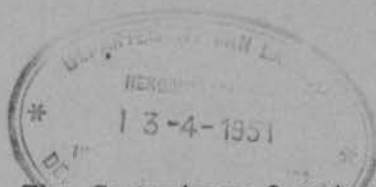
PHONE: 3-3081 EXT.40.

Ref.

M. 11/6.

DEPARTEMENT VAN VERVOER.—DEPARTMENT OF TRANSPORT.

4th Floor,  
Sanlam Buildings,  
PRETORIA.



The Secretary for Agriculture,  
Union Buildings,  
PRETORIA.

15 APR 1951

*members*

The *number* of the staff of this Department stationed on Marion Island have been experimenting with the cultivation of various vegetable and other plants.

As these experiments may be of interest to your Department, I attach for your information copies of reports received in this connection.

*Adcock*  
SECRETARY FOR TRANSPORT.

~~334~~  
4  
R.176/94.

23 APR 1951

SECRETARY.

C.D.H.

MARION ISLAND.

I enclose for your information  
copies of correspondence received from the  
Secretary for Transport.

N. J. CLOETE

SECRETARY.

NJC.AV.  
20.4.51.

222/5

R.176/94.

23 APR 1951

SECRETARY.

D.A.E.R.

MARION ISLAND.

I enclose for your information  
copies of correspondence received from the  
Secretary for Transport.

N. J. CLOETE

SECRETARY.

SEC/ST.  
20.4.51.

ANNEXURE "A".

MEMORANDUM.

A. I consider that suitable patches for growing vegetables could be found close to the Meteorological Station. The main considerations would be -

- (1) Accessibility from living quarters:
- (2) Locality sheltered from high winds:
- (3) Vegetable garden to have Northern aspect.

B. There is very little true soil on the Island. Even in vertical banks 2 to 3 feet high of Freshwater Stream material which looked like soil proved to be fibrous peaty material. Owing to the continuous high rainfall and water-retaining properties of peaty material, even comparatively steep slopes are sodden, but if the surface vegetation is cleared away in more gently sloping areas and small furrows made to take away standing water I have no doubt that vegetables could be grown successfully. The use of agricultural drainage pipes may also be useful in this connection.

C. In two places against steep slopes not very far from the Meteorological Station I actually came across some firm clayey soil. The extent of this soil appeared to be small but more intensive inspection would conceivably show up sufficient of this material to make terracing practicable. Terrace slopes should be protected with grass and moss indigenous to island which prevent erosion even against very steep slopes or ridges.

D. On many of the ridges and knolls gravel of scoriaceous rock, which often looks very much like pumice and is partly decomposed, is mixed with soil and peaty material. Such areas are usually firm and it might be quite possible to grow crops in them. They are generally reasonably level and in some cases protected from winds to a certain extent by higher outcrops.

E. I do not recommend attempts to drain level boggy areas. The high and continuous rainfall, retentive nature of material and complete lack of any firm material for a considerable depth would make any such work very difficult to carry out and probably cause it to be a failure. Nor is large scale terracing considered to be justified at this stage.

It is recommended that experimental patches as outlined in B, C and D above should be tackled first under the care of a full time experienced gardener for one tour during summer. This will indicate the potentialities before embarking on considerable terracing or drainage work and I am convinced that it will prove that a variety of vegetables can be grown on the island.

F. It may be possible that willows, poplars or other water-loving trees may be established in windbreaks round the vegetable patches. Whether such trees will be able to withstand the terrific winds is doubtful, but it is considered to be worth trying.

J.P. Kriel.  
ENGINEER.

CAPE TOWN.  
29th March, 1951.

Geological, hydrographic, soil and any other necessary surveys should follow. The result of these surveys could then be forwarded to the appropriate Government Departments so that the possible benefit to be derived from further scientific study could be explored.

The Committee considered it reasonable to expect officials conducting scientific investigations and surveys to be resident on the island on 12 monthly reliefs. It might become necessary slightly to increase the accommodation on the island to provide for them, but this would present no difficulty.

### 13. TRANSPORT.

It was very clear to the meeting that, without suitable transport, the Government would be handicapped in all its efforts to develop the island. Frigates are very expensive to run, costing about £10 an hour in fuel alone and, furthermore, are not suitable for carrying cargo or passengers.

After considering the matter, the Committee came to the conclusion that transport requirements would best be met by the provision of a small cargo vessel with passenger accommodation and of sufficient endurance to enable her to make the 2,400 mile ocean journey and to lie off the island for the necessary period.

The view was expressed that the Government might consider purchasing such a vessel and manning it with naval personnel and employing it on Naval duties when it was not engaged on relief work for the island.

### 14. CONCLUSION.

In concluding, the Chairman thanked the members for their attendance. The meeting closed at 12.30 p.m.

stationed on the island to conduct farming experiments in horticulture, livestock, poultry, afforestation, etc.

#### 8. FISH.

It would appear that fish can be caught only on the outer edge of the kelp barrier. The Committee considered that advantage be taken of the next visit of the frigate to test the fishing possibilities in the vicinity of the island.

#### 9. SEA-ELEPHANT OIL INDUSTRY.

The Committee considered that a census should be taken of the number of sea-elephants on Marion and Prince Edward Islands. The census on the latter island could be taken by the forthcoming relief ship. It would of course be a very rough estimate as time will be limited.

From information supplied by Mr. v.d. Boogaard as to the number of sea-elephants on Marion Island, it would seem, on first sight, that the population is far too small to warrant the establishment of an oil industry there.

#### 10. WHITE FOXES.

In view of the fact that albatrosses and penguins come to the island to breed and incidentally provide welcome fresh meat and that their eggs and young are totally unprotected on the ground, the meeting felt that if white foxes were introduced on the island they would destroy these birds.

#### 11. REPORTS FROM OTHER ISLANDS.

Mr. Neethling suggested, and the meeting agreed, that it would be advantageous for the Union Government to obtain reports on horticulture, afforestation, livestock, etc, from the authorities in charge of the Falkland Islands and the South Shetland Islands and any others where conditions appear to be similar to those obtaining on Marion Island.

#### 12. SCIENTIFIC INVESTIGATIONS.

Before any scientific investigations could be conducted to explore the natural resources of the island, Brigadier de Waal proposed, and Mr. Nel agreed, that a proper topographical survey of the island should be undertaken, and with this the Committee agreed.

5. FARMING.(a) Horticulture:

Mr. Roberts handed in a report by Mr. J.P. Kriel, Engineer in the Department of Irrigation, regarding the condition of the soil on the island, the drainage position and the possibility of growing vegetables. This report forms Annexure "A" to this record. .

The Chairman informed the meeting that experiments were in progress on the growing of vegetables in cold frames, and so far, were proving that certain vegetables could be grown.

Mr. Maré suggested that it might be worth while to erect a greenhouse for growing vegetables. It was decided, however, to test fully the cold frame method first.

(b) Livestock:

The Chairman reported that the sheep sent to the island in 1949, which were a cross between a Dorsetshire and a German Merino had done fairly well. Those sent in April, 1950, have disappeared. The pigs are doing well. Fowls would do well if they were properly housed and given laying meal.

Mr. Maré suggested that experiments should be conducted with different types of sheep, such as Scotch Blackface, to see which would do best on the island.

6. AFFORESTATION.

The Chairman stated that the Department was in touch with the Department of Forestry regarding the most suitable trees for planting on the island. He read a report from the officer in charge of the island to the effect that, of the trees planted in November, 1950, the *Pinus Pinaster* and *Cypressus Lawsoniana* were growing strongly.

The Committee considered that, when it is established which trees grow best, these should be planted extensively as wind breaks.

7. RESIDENT FARMER.

The Committee considered that an experienced official from the Department of Agriculture should be

- (b) The island is situated 1,200 miles S.S.E of Port Elizabeth and is on latitude 47°.
- (c) Climate: Very windy with gusts sometimes 100 m.p.h. Average rainfall 93 ins per year. Hardly any evaporation, consequently extremely wet. Average sunshine in summer 7 hrs per day, in winter 1 hr. per day. Coldest day was 23.8°F. Icebergs are occasionally seen. The cold winds make living conditions unpleasant.
- (d) Topography: Snow covered central peak 3,890 feet. Surface of island covered with layer of soggy vegetation with no soil to speak of, making it difficult to walk about. Island surrounded by floating kelp.
- (e) It is the intention to instal a hydro-electric plant and waterborne sewerage later in the year.
- (f) There is plenty of good clean drinking water on the island and no flies.

## 2. RELIEF PERIODS.

The Committee considered that twelve-monthly reliefs to the island would be reasonable.

## 3. ACCOMMODATION.

The Committee considered that, as a first step, two detached bungalows to accommodate two families should be erected. The buildings must be detached on account of fire hazard.

Mr. Stevens said that, provided the transport difficulty was solved, the money provided and the Department of Public Works told in good time exactly what was required, that Department could undertake the erection of the additional buildings.

## 4. MEDICAL SERVICES.

Dr. Hunter was in favour of a doctor being stationed on the island if women were to live there, and with this the Committee agreed.

The Doctor could assist with routine meteorological work in his spare time.



R176/94

DEPARTMENT OF TRANSPORT.

MARION ISLAND DEVELOPMENT: INTERDEPARTMENTAL COMMITTEE.

Summary Record of meeting held in Room 409, Sanlam Buildings, Pretoria, at 10 a.m. on 3rd April, 1951.

PRESENT:

DEPARTMENT.

NAME:

|                                     |                          |
|-------------------------------------|--------------------------|
| Mr. W.H. Cogill (Chairman)          | Transport.               |
| Mr. P. Miners.                      | Transport.               |
| Mr. H.P. Smit.                      | Transport.               |
| Mr. D.C. Ripley.                    | Transport.               |
| Mr. A.A. Cooke.                     | Transport.               |
| Mr. H.M.E. van den Boogaard.        | Transport.               |
| Brig. P. de Waal.                   | Defence.                 |
| Mr. J.P. de Villiers.               | Defence.                 |
| Mr. L.S. Stevens.                   | Public Works.            |
| Mr. D.H. Laurens.                   | Public Works.            |
| Mr. H. Neethling.                   | External Affairs.        |
| Mr. H. Geldenhuys.                  | External Affairs.        |
| Mr. G.S. Maré.                      | Agriculture.             |
| Mr. P.J. Kotze.                     | Interior.                |
| Dr. C.J.G. Hunter.                  | Health.                  |
| Mr. N.J. Maas.                      | Commerce and Industries. |
| Mr. L.T. Nel.                       | Mines.                   |
| Mr. D.F. Roberts.                   | Irrigation.              |
| Mr. W.H.S. Lister (Secretary)       | Transport.               |
| Miss F.I. Celsi (Shorthand Typist). | Transport.               |

I. INTRODUCTION.

The Chairman welcomed the members and explained that the meeting had been called in order to consider ways and means of developing Marion Island. He said that the Minister of Transport, Mr. Sauer, was interested in the development and wished to encourage married men and families to live on the island so that the Department could draw on the older and more mature personnel for duty there. Proper married quarters would therefore have to be constructed.

The Chairman then gave a general description of the island and the conditions there and called upon Mr. v.d. Boogaard, who had been stationed there, to describe his personal experiences of the weather and living conditions.

Special mention was made of the following:-

- (a) There are at present 7 buildings on the island built of wood and specially designed to withstand the windy weather. At present 8 persons can be accommodated. There is a good landing stage, but no boat.



R176/94  
6  
M.11/14.

Tel: 3-3081 Ext. 40  
Teleg. Ac.: MOMENTUM.

MARION ISLAND

DEPARTMENT OF TRANSPORT—DEPARTEMENT VAN VERVOER



Fourth Floor,  
Sanlam Buildings,  
PRETORIA.

20 APR 1951

- The Secretary for Defence, Pretoria.
- The Secretary for Public Works, Pretoria.
- The Secretary for External Affairs, Pretoria.
- The Secretary for Agriculture, Pretoria.
- The Secretary for the Interior, Pretoria.
- The Secretary for Health, Pretoria.
- The Secretary for Commerce and Industries, Pretoria.
- The Secretary for Mines, Pretoria.
- The Director of Irrigation, Pretoria.

MARION ISLAND DEVELOPMENT :  
INTER-DEPARTMENTAL COMMITTEE.

I forward herewith copies of the Record of a meeting of the above-mentioned Committee held on the 3rd April, 1951, for your information and comments if any.

A relief vessel will visit Marion Island in October, 1951.

The Chairman welcomed the members and explained that the meeting had been called under your and mine of developing Marion Island. He said that the Minister of Transport, SECRETARY FOR TRANSPORT, was development and wished to encourage families to live on the island so that the Department could draw on the older and more mature personnel for duty there. Proper married quarters would therefore have to be constructed.

The Chairman then gave a general description of the island and the conditions there and called upon Mr. v.d. Boogaard, who had been stationed there, to describe his personal experiences of the weather and living conditions.

Special mention was made of the following:-

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H.176/94.17

30 APR 1951

SECRETARY

D.A.E.R.

MARION ISLAND DEVELOPMENT : INTER-  
DEPARTMENTAL COMMITTEE.

I enclose for your information and comments if any a copy of the record of a meeting of the abovementioned Committee held on the 3rd April, 1951, received from the Secretary for Transport.

It may be added that a relief vessel will visit Marion Island in October 1951.

N. J. CLOETE

SECRETARY.

NJC/NvdM.  
25/5/1951.

R 176/94/1

8

-5 MAY 1951

SECRETARY

DARIP

MARION ISLAND.

I enclose for your information a copy of report submitted by members of the staff of the Department of Transport stationed on Marion Island.

W. J. CLOETE

SECRETARY.

NJC/Nz  
2/5/51.

UNIE VAN SUID-AFRIKA.  
MINISTERIE VAN VERVOER.



UNION OF SOUTH AFRICA.  
MINISTRY OF TRANSPORT.

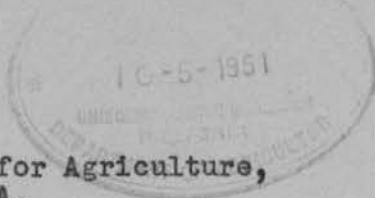
T.V. 2. 9.

Teleg. Ad.: „MOMENTUM“.

Ref. M.11/14

'Phone: 3.3081 Ext:  
DEPARTEMENT VAN VERVOER.—DEPARTMENT OF TRANSPORT.

4th Floor,  
Sanlam Buildings,  
PRETORIA.



9 - MAY 1951

The Secretary for Agriculture,  
PRETORIA.

Marion Island Development.

pb. X With reference to my minute No. M.11/14 of the 20th April, 1951, and enclosure of a copy of the Report of a meeting of the Marion Island Development Inter-Departmental Committee held on the 3rd April, 1951, I have to advise that, at the request of the Minister, it is desired that the question of stocking the island with hares with the object of providing meat for the officials, be examined.

To this end, and having regard to conditions as affecting animal life on the island, it will be appreciated if you will investigate the project and furnish me with your views and recommendations. X

  
SECRETARY FOR TRANSPORT.

H.176/94/1

SECRETARY 16 MAY 1951

D.A.E.R.

MARION ISLAND DEVELOPMENT.

In continuation of my evenly-numbered minute of the 30th April last, I subjoin for your information and early remarks an extract from Minute No. M.11/14 dated the 9th instant received from the Secretary for Transport:-

"With reference to my minute No. M.11/14 of the 20th April, 1951, and enclosure of a copy of the Report of a meeting of the Marion Island Development Inter-Departmental Committee held on the 3rd April, 1951, I have to advise that, at the request of the Minister, it is desired that the question of stocking the island with hares with the object of providing meat for the officials, be examined.

To this end, and having regard to conditions as affecting animal life on the island, it will be appreciated if you will investigate the project and furnish me with your views and recommendations."

*Rem. sent 29/5/51.*

N. J. CLOETE

SECRETARY.

NJC/DF  
15/5/51

R.176/94/1

U.A.D. 104. 11

DEPARTEMENT VAN LANDBOU.  
DEPARTMENT OF AGRICULTURE.

## MEMORANDUM.

Verw.:

Ref.: A.166/22.

Datum: 6-6-1951  
Date:

Van/From

Aan/To

DAER.

SECR.

In antwoord op MEMO. no. van  
In reply to No. of R.176/94/1 16/5/51.

Onderwerp : MARION ISLAND DEVELOPMENT:- P.10  
 Subject :

I have to inform you as follows:

It will not be possible to stock the island with hares unless they are kept in cages away from the moist ground.

X The cold of the Marion island will not adversely affect the hares, as they can tolerate extremely cold weather.

The hares could be fed on green plant material growing on the island and provision should be made for a certain amount of concentrate feed. Dairy meal or poultry pellets should give very good results.

Rabbits and hares eat a great variety of foods and according to a record of investigations of the stomach contents of hares it was revealed that they consumed ~~var~~ types of plants.

<sup>7</sup>The cages should be kept fairly clean especially if there is an outbreak of worms in some of the animals.

Coprophagy (Excrement eating) is a normal phenomenon with rabbits and hares. Up to 90 percent of the excreta is picked up again at definite times, and this constitutes a kind of "pseudo-rumination". The pellets are frequently reingested straight from the anus. This makes internal parasite control difficult once an outbreak occurs.

Plans of suitable breeding cages as well as descriptions can be found in "Wild Animals in Captivity" by H. Hediger P.P. 138 - 143.

It is however necessary again to stress the importance of lifting the houses off the ground.

Rabbits breed very rapidly, the gestation period is only 32 days.

It is felt that if the problems of housing and nutrition can be overcome, that rabbits or hares, would be valuable in augmenting the meat shortage on the island. X

DAER.

It is however necessary again to stress the importance of lifting the houses off the ground.

Rabbits breed very rapidly, the gestation period is only 32 days.

It is felt that if the problems of housing and nutrition can be overcome, that rabbits or hares would be valuable in augmenting the meat shortage on the island.

N. J. CLOETE

SECRETARY FOR AGRICULTURE.

NJC/DF  
14/6/51



R. 176/94/1

14 JUN 1951

The Secretary for Transport,  
4th Floor,  
Sanlam Buildings,  
PRETORIA.

MARION ISLAND DEVELOPMENT.

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/2.....

UNIE VAN SUID-AFRIKA.  
MINISTERIE VAN VERVOER.



UNION OF SOUTH AFRICA.  
MINISTRY OF TRANSPORT.

Teleg. Ad.: „MOMENTUM“.

Phone: 3.3081 Ext: 44

DEPARTEMENT VAN VERVOER.—DEPARTMENT OF TRANSPORT.

4th Floor,  
Sanlam Buildings,  
PRETORIA.

The Secretary for Agriculture,  
PRETORIA.

6 SEP 1951

The following copy of a message from Officer-in-Charge, Marion Island, is forwarded for your information:-

X "X6159 August Report on Livestock stop  
The 3 remaining sheep and 4 pigs are  
still hale and hearty message ends". X

*A. Allcock*  
SECRETARY FOR TRANSPORT.

UNIE VAN SUID-AFRIKA.  
MINISTERIE VAN VERVOER.



UNION OF SOUTH AFRICA.  
MINISTRY OF TRANSPORT.

R176/94/1

T.V. 2

14

Telegr. Adr. „MOMENTUM“.

Tel: 3-3081. Uitbr.

Ref. M 11/6.

DEPARTEMENT VAN VERVOER.—DEPARTMENT OF TRANSPORT.

4de Vloer,  
Sanlangebou,  
PRETORIA.

Die Sekretaris van Landbou,  
PRETORIA.

11 SEP 1951

Die volgende berig is op 6 September 1951, van die Offisier in Bevel te Marion Eiland, ontvang:-

X6167. Rapport insake saadplante. Vorige eksperimente gestaak. Op 5 September 1951, is 50 sade van volgende soorte in 'n rare sanderige grond geplant. Radys wortels borecole beet uie kool brussels sprouts bone en 100 kropslaai. Van elke soort is 50 sade as Kontroles in gewone eiland grond geplant. Aartappels is in sanderige grond geplant. Die sandgrond is los en lugtig en die plante behoort goed hierin te groei. X.

*Alcock*

*J.* WAARNEMENDE SEKRETARIS VAN VERVOER.



R.176/94/1  
15

Tel: 3-3081. Uithr.

R.176/94/1

DEPARTMENT VAN VERVOER - DEPARTMENT OF TRANSPORT

Secretary

DAER  
DAMP & CDH.

Die Sekretaris van Vervoer,  
PRETORIA.

30 SEP 1951

MARION ISLAND.

I subjoin for your information extracts of reports received from the Officer-in-Charge, Marion Island by the Secretary for Transport:-  
die Offisier in Oorlog te Marion Island, verslaag:-

"X6159 August Report on Livestock stop. The 3 remaining sheep and 4 pigs are still hale and hearty message ends."

"X6167. Rapport insake wassplante. Vorige eksperimente gestaak. Op 5 September 1951, is 50 sade van volgende soorte in 'n rare sanderige grond geplant. Radys wortels borecole beet uie kool brussels sprouts bone en 100 kropsaai. Van elke soort is 50 sade as Kontrolas in gewone siland grond geplant. Aartappels is in sanderige grond geplant. Die sanderond is los en lugtig en die plante behoort goed hierin te groei."

N. J. CLOETE  
SECRETARY.

REPUBLICAN SECRETARIS VAN VERVOER

NJC/EB/19/9/1951.

COPY/MGL



543 / R176/74  
16/4/11  
51

4/1 ZRs Adm Marion 6 53 020600

D. Met ZrPR

X6189 Sept livestock report stop The pigs are fit but 3 piglets that were born on the 25th were dead stop The 2 remaining sheep are well and could be kept until the latter part of the year if so desired please confirm if this would assist in any way ends

O/C Marion

Secretary of Agriculture  
Pretoria  
*Commerce & Industries*

*For your information*

*Bire*

*22/6  
f. Sec f. Dept  
8/2/51*

17

Private Bag 84.

543/94/1.

////////// Cor. Paul Kruger & Minnaar Streets,

19-10-1951

The Director of Agricultural Education and Research,  
Private Bag 124,  
P R E T O R I A.

MARION ISLAND.

I enclose for your information a copy of a report received from the Officer-in-Charge, Marion Island.

G. J. DAMES

SECRETARY FOR COMMERCE AND INDUSTRIES.

/MY.

*[Handwritten signature]*

*[Large handwritten signature]*  
1/8/51

UNIE VAN SUID-AFRIKA.  
MINISTERIE VAN VERVOER.



UNION OF SOUTH AFRICA.  
MINISTRY OF TRANSPORT.

T.V. 2

542/94/11  
18

Tele. Ad. "MOMENTUM".

Ref.

Phone: 3.3081 Ext: 44

DEPARTEMENT VAN VERVOER.—DEPARTMENT OF TRANSPORT.



4th Floor,  
Sanlam Buildings,  
PRETORIA.

*Industries*

14 NOV 1951

The Secretary for Agriculture,  
PRETORIA.

X I subjoin for your information copy of a message dated 12th November, 1951, received from the Officer-in-Charge, Marion Island:-

"X7023 On the 27/10/51 the last pig was slaughtered stop 5/11/51 No. 5 sheep was slaughtered weights as follows intestines 23 lbs fat 7 lbs. ribs 23 lbs. neck 15 lbs. legs 15 lbs. skin 32 lbs. head and trotters 12 lbs. shoulders eleven and a half lbs stop Are the weights of fowls required" X

*Please advise me re last item.*

*Adcock*  
SECRETARY FOR TRANSPORT.

*File*

19

Private Bag 84.

543/94/1.

Cor. Paul Kruger and Minnaar Streets,

THE DIRECTOR OF AGRICULTURAL EDUCATION AND RESEARCH,  
Private Bag 124,  
PRETORIA.

22-11-1951

MARION ISLAND.

I subjoin for your information minute received from the Secretary for Transport:

"I subjoin for your information copy of a message dated 12th November, 1951, received from the Officer-in-Charge, Marion Island:-

'X7023 On the 27/10/51 the last pig was slaughtered stop 5/11/51 No. 5 sheep was slaughtered weights as follows intestines 23 lbs. fat 7 lbs. ribs 23 lbs neck 15 lbs legs 15 lbs skin 32 lbs head and trotters 12 lbs shoulders eleven and a half lbs stop Are the weights of fowls required?."

I shall be glad to learn whether weights of fowls are required.

H. J. GILLIERS

SECRETARY FOR COMMERCE AND INDUSTRIES.

*Refer to 28.12.51*  
*submit to ref 12*  
*MDW*

*2/11*  
*10/12/51*  
*submitted 10/12/51*



Private Bag 84.

543/94/1.

XXXXXXXXXXXXX cr. Paul Kruger & Minnaar Streets,

THE DIRECTOR OF AGRICULTURAL EDUCATION AND RESEARCH,  
PRIVATE BAG 124,  
PRETORIA.

28-1-1952

MARION ISLAND.

I invite your attention to my evennumbered minute of 22nd November, 1951, in which I quoted a message received from the Officer-in-Charge, Marion Island, and shall be glad to learn when a reply may be expected.

SECRETARY FOR COMMERCE AND INDUSTRIES.

JK. P. 29/1/52  
29/1/52  
29/1/52  
file

ribs 23 lbs neck 15 lbs legs 15 lbs  
skin 32 lbs head and trotters 12 lbs  
shoulders eleven and a half lbs stop  
Are the weights of fowls required?"

I shall be glad to learn whether weights of fowls are required.

SECRETARY FOR COMMERCE AND INDUSTRIES.

Refer to 28-12-51  
submitted 10/12/51  
MCA  
file

B

*Mrs. Allios 543/94/1*

Telegraphic Address:  
Telegrams: "AGRIUMI, PRETORIA."  
Telephone:  
Telefoon:

U.A.D. 17.

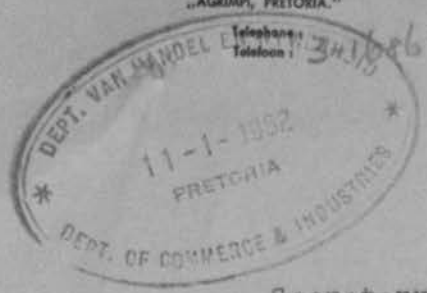
UNION OF  
SOUTH AFRICA.



UNIE VAN  
SUID-AFRIKA.

In reply please quote  
Verneem in antwoord a.b.

No. A.166/22.



DEPARTMENT OF AGRICULTURE,  
DEPARTEMENT VAN LANDBOU.

DIVISION OF AGRICULTURAL EDUCATION AND RESEARCH,  
AFDELING LANDBOU-ONDERWYS EN NAVORSING.

INDIAK HOUSE  
VAN LANDBOU-  
PRETORIA.

Private Bag 124.

Secretary for Commerce and  
Industries,  
Private Bag 84,  
PRETORIA.

10-1-1952

Marion Island.

With reference to your minute C.I. 543/94/1  
dated 3/1/52 I have to inform you that the weights  
of fowls are not required.

*H. J. van der Merwe*

DIRECTOR OF AGRICULTURAL EDUCATION AND RESEARCH.

*Mrs. G.  
Stel die Seher v. Versoer  
in kennis, sod  
14/1*

*H. J. van der Merwe*

Private Bag 84.

543/94/1

XXXXXXXXXXXX  
XXXXXXXXXXXX cor. Paul Kruger  
& Minnaar Streets,

THE SECRETARY FOR TRANSPORT : PRETORIA.

1977-1-1952

MARION ISLAND.

With reference to your unnumbered minute of the 14th November, 1951, in which you quoted the text of a message received from the Officer-in-Charge, Marion Island, the Director of Agricultural Education and Research advises that the weights of fowls are not required.

F. CILLIERS

SECRETARY FOR COMMERCE AND INDUSTRIES.

DIRECTOR OF AGRICULTURAL EDUCATION AND RESEARCH.

/ED

File 1571.

*Mr. G. P. Steh die Seher v. Verwoerd in kennis, asb*  
*[Signature]* 14/1  
*[Signature]* 1571