MIN/KEL/1#5

0004

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## BRITISH AMERICAN KELP COMPANY

----

478/28	Exploitation of Kelp.
17/46	Scaweed Required by the Colonial Office.
52/46	Forestal Land Timber Co., Kelp Industry in the Falkland Island
0004/A	British American Kelp Company Power Supply.
0001/B	n n n n Housing.
000l!/c	n n n n th th Labour.

<u>s 67</u>

YECUDE.

## ELEGRAM.

From The Secretary of State for the Solonies

To His Excellency the Governor

Despatched :	December	27th	<b>19</b> 46	Time: 13.55
Received :	December	28th	<b>19</b> 46	<i>Time</i> : 05.30

No. 280 Confidential. our telegram 393 Kelp. Text of your reply has been read to promoters who have decided to proceed with preliminary investigations as stated paragraph 2 my telegram No. 257, Jonffidential December 9th.

Red 4,8

Ac ordingly lessrs. F. Jones and G. Lurgovne technical representatives will leave United Kingdom about December 24th expected time of arrival in Falkland Islands January 1st. They will be followed later by Lerton, Director British American Kelp Company who should be reaching Falkland Islands about middle of Cebruary. He will have full powers of negotiation for Company.

(a). <u>Weed lights</u>. Company accept that if 99 years lease is granted such a lease would include any previous period over exclusive rights which have been granted.

Regarding (b) of paragraph 4 my telegram referred to above they feel provision therein would not be a satisfactory arrangement for ensuring question of regeneration is adequately safeguarded. They have proposed terms of agreement regarding cutting, programme would be arranged in consultation with Government of Felkland 1 lands due regard being given to the regeneration. This appears satisfactory to me.

(b). <u>Bentals and Royalties</u> Company accepts rentals proposed but cannot be persuaded to accept royalty for full scale production period outlined in second part paragraph 6 my t legram. They state that if forced to abide to such an agreement they would be unable to compete world market, that annuity demanded by Government would deprive them of the requisite safety margin needed for flexibility in competing with world price and that they would be forced to go elsewhere. They will accept as a preliminary basis a royalty of 2/6 per ton dried milled weed for say first 10 years; after that a specific royalty based on a percentage selling price with maximum  $1\frac{1}{2}$ : actual rate would be subject to periodical revision. Their view is that assuming cutting programme reaches eventual one million tons of weed per annum  $1\frac{1}{2}$ . I will telegraph further on this before Merton arrives.

3. Your estimate in paragraph 2 your telegram under reference regarding cost of road construction appears to arise from misunderstanding of my telegram No. 257. Company are acquiring a lease of Admiralty site Camber and necessity for concrete road from Port Stanley does not therefore arise. I am hoping to bring negotiations with Admiralty to satisfactory conclusion and every effort will be made to obtain their concurrence in regard Black-stone generators as an interim measure. I am also hoping to secure through Coronial Office an option on two 400 Kilowat generators which may be available here in march 1947. These should preferably be sited nearest to area of greatest load namely at Camber but transmission line could be laid to Port Stanley. Consulting Engineer had endorsed before receipt of your telegram No. 395 that unit plant would be required by 1948 in addition to 400 Kilowats respectively. Initial installation all these sets was estimated to cost £95,000. The Company agrees authorise amount required to finance electricity project i.e. principal and interest over two period say 14 years subject however to reduction in respect supplies to Fort Stanley from this plant.

Replay at 1,3

. . . . . 5

ODir.	

3.3.

MM.

date .

From			
To	-		
Despatched :		19	Time :
Received :	- 2 -	19	Time :

E. IGI ....

They stress however that unless initial capital for installation this plant is provided by Government they would be forced to abandon whole project.

4. As regards housing I understand supplies of Admiralty timber suitable for house construction are available in Maval Stores in Colony and might be acquired.

5. Your statement in paragraph A your telegram under reference regarding shortage manpower re ers I presume to skilled manpower of technical and foreman classes. The Company sugrest this could be met by importing skilled personnel from Uruguay on a short-term contract. Such matters are however best left for discussion with Lerton who will be in a better position to consider alternative suggestions in paragraph 5 your telegram under reference.

SECRETARY OF STATE.

478/28

Inside Minute Paper. Sheet No...... 52. Telegram No. 280 from-Secretary of State of 27. 12-46 there all the of 53 TE saw lucron. Jones . Burgague of B.A.K.C. hand to Jay: Like C.S. E.E. SET. Pare, Struming . Transport of labor to he man -Campe un discusses : ~ he Greation of importing labour for construction and lak a for maning the plant was traches a. Br. 6.1.46 fr HE. had dended alle 50 50 m proper to bened the prove tory Saw Them JoB with theme Woodgale shreeces in and morely allondance 6/1. 1. ELECTRIC POWER, (a) Provided we are able to In supreme N'I STATE take over the 3 W.T. Blackstones we can provide (i.e.'pilot' stage) sufficient power for the unmediate needs of B. M. K.C. HERCER to make up indent of additional slace Excepted to out A required, power time, polos, apriptioned, hirring admonis BAKC. M etc. (b) Additional pormer will be required for 1925 Power Supper " ( and the door A00 K.w. generalas in rooped of for while anothe annuality which an optim has been sought with be suid the a sufficient to mad sequine and of BD.K.C., Stan any and W.T. station. (4) If Administry agen to endatriation of power we should and al thereing able to require W.T. station meeds and them take we and manparate such of their assisting plant of the opening to my be frent in the new station . I.C.

The quartia that his have must not another, a this asour plia is whether with the 2 antiliment 400 kins he will have sufficient power to mat the mass of B.A.K.C. (pilot slage). Stan ley . W.T. and have necessary serves in hand I that is so, is there now at W.T. sufficient power Excentred 16 0004/A if transferred smanpasted to med future needs of BAKC BAKC " Pomer Supply" whent ordering addition at plant from U.K. (d) Qualian of sile of power house to be dended - - - A upan. (e) In what is it proposed to bould the prover home and are malerials thatan ministle ? I not available would it be wis to avail ourselves of the Uniquery on firm montions & this morning ? They might find 2 jobs more attraction than one? 2. HOUSING. (a) Siles for B.A.K.C. staff an available Excented to (b) The another we must an ange for tange 0004/3 and suggestimes are (i) Stanley Collinge · - BAKC and (ii) Rose Stolel, Gan will annuder futher when EE . I should also a 8.0 decision by Thursday noct. (c). We have also to decide on method of construction for pormanuel a same . pormanuel and the last houng and I romain of the opening That profiles proved the answer

C.S.O. No.....

inside Minute, Paper

le have to

Sheet No.....

5

Excentred to 0004/B. BAKC.

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Excepted K 0004 (c

"B.A.K.C. Labour " ney to 52

furances proxim ans is an al · . culla Bhas redoin of portan

(d) There semans the questin of humang of temporary labour sequence to exect the facting sundae the machinery and this turn to sume extend on whether the old Camp Curama cured be ablised and its curtants safely housed etrantices. EE well advise.

3. LABOUR.

I seems unlikely that BAKC are be able to amplete their working require from local sources; there are in fad any 2 - EE's fluid reserve (a high To age of whom we be regarded a usunployable by any commercial slandard and Camp labour whe is out of the question - they have quite enough " problems to contend with walking BAKC adding to them. It lives .: as Mongh they many have to in part. meanchele I woul (a) on analysis frien EE of available labour\_ (b) a menie again from BAKC We and then reconcile (a) and (b) as

far as we can, the ircanciable balance representing the munibers they will have to unpal. (c) We omisst then canade, source of impulation and engine as to perschelition Ehe unpalations will create a fullen horning problem and the old Any Camp shid. be Excentred to 0004/C "B.A.K.C. K.I.V. in ne. Impaled labour shd. haven " be of the best available lippe and married if possible. i. Marth . 4. There is a onesconception in the 1.9 C.O. abuil the labour querkai our mart 4 Ogelani. 20 me of lug. 1 I must send a reply to \$2. on Churday. Ete? I financial pursion will require most careful ans. II am al Mulding & 33 favour a . with BAR and freshing interest in the contained processing the Billion of processing the second of the second

C.S.O. No.....

Inside Minute Paper.

Sheet No. HE. The B.A.K.C. Representatives want to send the tem and in date a x he back of his file. 2. 7E's mich a 3-6 has been estruted to 0004/A-C. 10800. 0004 B-C an bilas: ~ 0004/A is the with SET. for a npart on SI of 3. I hope to tring it up late. Bout mean still The. sho see he that I have I have not minted them. able 8.1. ul the happe. The term dontes by N.E. is now codes encoded for \$6 while was let mer bendning yie's filme intertion, it. I sho. no be das to receive. 2. De BA.K.C. Representatives her is at back office. It follows closely he dup submitted or x above. hay I issue? I have no duted partime. 3. VES mile on the mignine BAK-C. angt \_ his Tomes said he indrekanty apres with this now good. But he blim had whate he as circan is then down + in eraches it he Camber or at will be the little offeren to the laton beekin CR

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DECODE.

# TELEGRAM.

From the secretary of State for the clonies

To its xcellency the Governor

Despatched : 8 Jan -1976 Time: 2144 Received: January 3th 19 1.7 Time: 09.30

MEDIATE.

Red 1

No. 8. Confidential. My telegram No. 280 Lelp. I tould be grateful to learn by January 15th, repeat January 15th, whether you would be presared to negotiate British American Celp owneny on basis outlined my telegram.

To meintain option on the two 400 Lilowatt plants. From mente must make offer without delay.

See 9 \$7 SECRETA Y OF STATE.

Aria the per carly - before here was him 2 wars to the labe

DECODE.

#### TELEGRAM.

From his Excellence the Governor

The Secretary of State for the Colonies To

Despatched :	January	10th	19 47	<i>Time</i> : 16.30
Received :		1.	19	Time :

1.0. 11. Confidential. Your telegram 280. Same paramaph references.

1. Jones and Burgoyne ar ived 2nd and I have had full discussions with them.

(a) and (b) left for discussion with Merton. \* insertion (see belegram No 36 is S. of S. at 15° and 8 in oos4/A. SAKC 1 2.

Everything hinges on acquisition Admiralty Blackstones which super) 3. will provide sufficient power gilot stage with 100 Kilowatt only in reserve and could be created by October when British American Kelp Company wish commence operations. With additional two 400 Allowatts, on which Crown Agents hole charcise option we could provide for needs British American Kelp Company with adequate reserve and and also for Stanley. In my opinion essential that new cherating station should be built in Stanley and not, repeat not at Comper. British American Kelp Company represent tives agree. Central rend sting station could also be planned (pill star of 350 k.w.) to accom odate additional glant for:-

Surther needs British American Kelp Company, and (a)

(b) W.T.stition.

Was aware existence timber Admiralty store but informed Housing. 4. useless for purpose proposed. Can provide temporary accompdation (i.e. lodgings) for technical as a ment staff. Long-term alternatives are imported Uni-Seco units, for which shipment cannot be obtained under three months, or local construction which can commence at once. In event, internal, sanitary, electrical and service fittings, for which In either indent will be cabled, must be sent out from United Lingdom utmost despatch and I would ask for your assistance accordingly.

Presumption correct but there is also shorts, e employable 5. uns illed labour and clearly undesirable that dritish American Kelp Company activities should a tract farm labour from Camp where there is already noute shortage. There is, I think, a certain misconception regarding "unemployed problem" on which I am addressing you separately. I should, in circumstances, have no objection to British American Kelp Company suggestion to import Uruguayan labour for crection stage. Anticipate that they will also need to import labour from United Aingdom, or other agreed source, during operational stage.

While accepting in principle liability for electric power, 6. housing and water supply, subject of course to concurrence Legislative Council, I must observe that commitment is considerable and the Colony must be insured against loss in event of project failing. I should welcome further information as to :-

(a) Financial standing of British American Kelp Company and who is backing them, and

(b) Whether Stockdale's suggestion that Company should avail themselves of facilities of Barclays (D.C. and O) Development Corporation has been pursued and if not, why not? Immediate tangible return to Colony during pilot stage appears to be in neighbourhood 3650 per annum; inconsiderable in relation to capital commitment which, as forecast in my minute your files 26th September, may well approach \$125,000. Loss of this sum in event failure would cripple Colony's finances.

- Barrow to 0004/A

Fritanted A 0004/8

I	TELEGR	AM.	
From To			
Despatched :		19	Time :
Received :	-2-	19	Time :

7. Since coding this telegram, have received your tolegram. i.mediate, No. 8 and am prepared negotiate on above lines.

Red 8

GOVER OR.

G.T.C.

DECODE.

See Red 5 in File 0004 " Rabour"

hopey a (2)

• GOVERNMENT TELEGRAPH SERVICE.

## FALKLAND ISLANDS AND DEPENDENCIES.

# SENT.

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GOVERNMENT TELEGRAPH SERVICE.

## FALKLAND ISLANDS AND DEPENDENCIES.

# SENT.

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# BRITISH AMERICAN KELP

COMPANY, MOORGATE, LONDON, E.C.2 4

LIMITED =

TELEPHONE : MONARCH 8080

DIRECTORS : E. D. MacPHEE, Chairman. C. W. BONNIKSEN. The Hon, M. LUBBOCK. R. R. MERTON. G. F. TAYLOR, C.B.E.

Stanley, 14th January 1947 .-

The Colonial Secretary, Stanley.

Sir,

We confirm our conversation of the 3rd. instant, when we requested you to grant us permission to harvest kelp inside Stanley harbour and request you to confirm that this permission is granted.

We have the honour,

to be.

Sir,

your obedient Servants, for BRITISH AMERICAN KELP COMPANY, LIMITED.

0004/14.

Copy to Harbour Master for int.

#### 18th January 47.

Si ntloner.

I an directed by the Governor to refer to your letter of the lith of January, 1947, and to confirm the permission granted verbally to harvest kelp inside Stanley harbour provided that the Marbour Easter is kept informed of your intentions and that kelp is not harvested in such a manner as to constitute a danger to mavigation.

1 alla,

Contlomen, Your obedient servant, (Sgd.) A. S. MATHEW Colonial Secretary.

F. Jones, Esq., B. A. K. C. Representative, STANLEY.

TATAT

#### DECODE.

#### TELEGRAM.

Original filed in 0004/A "Power Supply"

From His Kellency the Covernor.

To The Secretary of State for the Colonies.

Despatched :	Jan ary	22nd	19 47	Time : 11. 30
Received :			19	Time :

No. 36. By telegram No. 11 British Laerican Jelp Joapany paragraph 3. Please insert between second " Gompany" and "with" following "(pilot stage of 350 Kilowatt)."

GOV REDOR.

G. L. C.

(sent a SET's nprometation).

COPY.

RESTRICTED.

N.O.I.C. FALKLAND ISLANDS (R) C. in C. A.W.I:

from Admiralty.

Representatives of the British American Kelp Company will shortly be visiting Port Stanley with a view to conducting a survey as to the possibility of setting up a plant for the recovery of Alginates from kelp.

2. It is under consideration at Admiralty to provide certain facilities ashore for the convenience of this company, and you are requested to give their representatives access to the Admiralty owned buildings in otder that they may assess the value of the buildings having regard to their present physical condition.

3. The requirement of the Kelp Company would be a gradually increasing one and initially they would not require all the storage available in the present coal store, and it should be possible for the Naval Stores remaining to be concentrated in one or more parts of the building so as not to conflict with their desire to accept delivery from time to time of plant and machinery which will be sent out to them from the United Kingdom.

4. The Naval stores which are surplus to local requirements and which are referred to in your 151229 December are required in the United Kingdom and should be shipped if possible in the s.s. "Lafonia" calling at Falklands in April or May. If the Colonial Government or the British American Kelp Company has urgent need of any of these supplies other than (R) other than timber paints and enamels and desire to purchase the particulars of the requirements should be communicated by signal.

5. Information is requested as to whether the Carctaker's cottage and the quarantine station are the same building.

202210.

#### DECODE.

## TELEGRAM.

No. S1.

From The Secretary of State for the Colonies. Original filed in 000416 "B.A.S.C. Labour" To His Excellency the Governor.

Despatched :	February	3rd	19	47	Time :	12.30	
Received :	Noruary	4th	19	47	Time :	09.30	

19 - 0004/C No. 41. Confidential. Your telegram No. 11 and your telegram No. AKC 37. Kelp.

> I share your anxiety on the effect the failure of this project would have on the Colony's economy but I fear that unless the initial labour difficulty is overcome we may miss a unique opportunity of promoting a measure of industrialisation at a time when forld conditions are most favourable for success of project and that in consequence the Colony may be forced on to little more than the intermittent employment of sheep farming.

> Carr of whose advice I know you have a high opinion has been consulted and he suggests that a re-allocation of labour available for Public Works even if it involved temporary abundonment of certain projec of Public Works would rovide men required for initial stage. As regards thend of labour in camp apart from the fact that labour is not fully employed in Winter it is of course essential that men concerned should have freedom of choice in their employment.

> I am persuaded from conversion I have had with promoter that in addition to possibilities of altering Island's economies for the better we are dealing with a management who are prepared fully to co-operate with Government.

> I propose that money required to purchase Electric Plant and equipment should be obtained by advance from Joint Colonial Fund secured on Falkland Islands land sale fund, and an asking Crown Agents to place an order for necessary Plant. There will be a sufficient interval between the setting up of Pilot Plant and establishment of Unit Plant during which it will be possible to some extent to assess project venture and, if circumstances so indicate, to cancel remainder Electric equipment ordered. I am considering the possibility of intervals a break

DECODE.

## TELEGRAM.

19	Time :

down in the project by an allocation from Colonial Development and Welfare Reserve Fund or even perhaps of advancing necessary capital required to finance Electricity Plant and equipment by the means of an interest free loan from that source.

In regard your enquiry about Floancial standing of B.A.K.C., this Firm has backing of certain substantial City interests and is associated componently with Courtauld and Ibright and Milson.

I hope shortly to be able to formish you with some definite information about the purchase of Electricity Plant but as yet the question of acquiring Hendal Plant and Black-stone Cenerator remains unsettled.

In regard to Royalties, I have negotiated with the Company a more flexible formula than one hitherto proposed in order that the clony may/be tied to an agreement which might not in the long run be as remulerative as it chould have been.

SEORITIARY OF STATE.

0. T.C.

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lips 1.

LJH.



Copy to Naval Officer-in-Charge for inf.

- 24

#### TELEGRAM.

From His Excellency the Governor

 $T_0$  Secretary of State for the Colonies

Despatched :	February 5th	<b>19</b> 47	<i>Time</i> : 11.30
Received :		19	Time :

<u>No.66</u> B.A.K.C. In communicating proposal to allow latter facilities at Camber Admiralty instruct Naval Officer-in-Charge also regarding disposal surplus stores excepting from this category amongst other items paints and enamels which are most urgently needed here but are apparently to be sent back to England. To meet our convenience and to save them freight charges grateful if you can prevail upon Admiralty accept replacement in England through Crown Agents entire stock paints and enamels held locally subject to such adjustment as may be agreed upon.

GOVERNOR

le 16,29, 37.

Copy chan to No.uc hi. pc. and

G. T. C.

VP.

#### TELEGRAM.

From The Secretary of State for the Colonies.

To His Excellency the Governor.

Despatched: February 10th 19 47 Time: 19.20 Received: Februar, 11th 19 47 Time: 09.00 <u>No. 56</u>. Kelp. Reference my telegram 28th December No. 280 paragraph 1. Merton Director and General Manager, and Trickett leaving by air on February 11th.

he

SECRETARY OF STATE.

Production Engineer, of Production Engineers Love the

G.T.C.

Decode.

No. S19.

See H2

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expeded back from MV? I hope that Conne Conne and Machem & Stapledon between them were ENSURE and all FIDS gear is an board.

mc 12/2/16 ME. In expect 'Letonic' to to her he 3 hard the collecting people for the have for the Sports.

M.C. 12/2

2.

x I am heighting to both. Able Extract from Minutes of a Meeting of the Executive Council held on the 13th of February, 1947.

"His Excellency informed the Council of the position regarding the British American Kelp Company generally, and the obligations which Government had agreed to undertake, especially with reference to Labour, Housing and Electric Power: he assured Honourable Members that there would be no competition with, or absorption of, Camp Labour".

25

a 3 p.m. h. day.

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Ag. Clerk of the Executive Council.

J. S. 4)

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DECODE.

## TELEGRAM SENT.

From GOVERNOR to SECRETARY OF STATE.

Received : \_\_\_\_\_Time : Despatched: 10. 3. 47 Time: 12.30

No. 144. Confidential! Your telegram No. 41 Confidential. Kelp. Especially last two paragraphs. . 3.

I have received no reply to my telegram No. 123 but understand from Merton Admiralty hedging over release Blackstones and that Grown Agents option on Kendals has fallen through. Commander in Chief A.W.I. will presumably by now have communicated views re future of M/T Station

2. Merton also informed me two other generators are likely to be available end March and end July.

3. Befote further steps taken regarding latter I must warn you that survey party's first impressions of density Help appear disappointing and therefore no commitments should be made until result of further survey of coast by Merton himself is available.

G.T.C.

LJH.

24 Notice has been instanche & Almy. 6 ship paint to U.K. by work 'Lafonia when she for bint.

2. Telegraph as in Imp lips ?

1. And The

For Reply :-

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Lee 15 in 0004 A

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GOVERMOR.

Decode.

Copy to Maval Officer-in-Charge for inf., pse.,

#### TELEGRAM SENT.

#### for 10.8. 12.3.47.

#### From GOVERNOR to SECRETARY OF STATE.

Despatched: 12. 3. 47 Time: 17.00 Received: ..... Time: .....

<u>No. 147</u>. My telegram <u>No. 66</u>. Admiralty surplus stores. Naval Officer-in-Charge has been instructed to ship all paint to United Mingdom by direct sailing Lafonia. It is urgently required here for civilian use. Please telegraph result your representations.

COVERIOR.

#### G.T.C.

OLUL 10

LJH.

COPY.

# Original filed in 0004/A TELEGRAM SENT.

"B.A.K.C. Power Supply"

DECODE.

#### From GOVERNOR to SECRETARY OF STATE.

No. 168. Your telegram No. 111. Electric Power. Position must remain as in paragraph 3 of my telegram No. 144 until 30 I return from Dependencies in three weeks time and discuss with Merton who is absent on survey trip.

GOVERNOR.

G.T.C.

BRITISH AMERICAN KELP COMPANY, LIMITED.

4, Moorgate, LONDON, E.C.2.

24th December, 1946.

Under Secretary of State for the Colonies, Colonial Office, Dover House, Whitehall, S.W.1.

for the attention of Mr. C.J.T. Barton

Dear Sir,

With reference to the meeting held on the 20th December and presided over by Sir Frank Stockdale, I hereby confirm the substance of the matters discussed and the conclusions arrived at.

The following were discussed:-

1.	weed Rights -	areas and period for which rights to harvest weed are to be granted.
2.	Control of cut	ting - arrangements to ensure the preservation of weed beds.
3.	Licence -	terms upon which licence to cut weed over the areas and for the
		period of 1 above are to be granted.
4.	Royalty -	to be paid per ton of dried milled weed produced.
5.	Power -	provision to meet the requirements of the Company as outlined in our memorandum of the 21st November.
6.	Housing -	provision as per our memorandum of the 23rd September.
7.	Water Supply -	provision of fresh water supply to the extent of 300 gallons per hour.
8.	Jetty -	extension of the existing jetty so as to enable oil etc. to be handled in bulk.
9.	Factory buildi	ng - provision of buildings suitable for factory etc.

1. With regard to the question of weed rights it is understood the H.E. Governor of the Falkland Islands has indicated his acceptance of the proposals put forward by us in para 1 of our letter of the 14th October as modified by para. 6 of our letter of the 4th November, subject to the period of 99 years referred to being taken to be inclusive of the 20 years or other preliminary period.

I confirm that this modification is acceptable to the Company.

2. With regard to the question of control of cutting, the Governor's suggestion that cutting should be restricted to one third of the area in any one year was discussed, and in view of the fact that conditions of growth and regeneration of Falkland Island weed are as yet unknown, the Company put forward the counter proposal that plans for cutting should be based on local experience and agreed with the Colonial Administration advised by the Govt. Naturalist.

/3.

3. With regard to the question of grant of licence to harvest weed, the suggestion was put forward and accepted by the Company, that during the first period of 5 years no charge should be made; that during the second period of 5 years a charge of £100 p.a. should be made; and that thereafter revision should be made at 5 yearly intervals, any increase being limited to 50% the rate of the previous period.

4. With regard to the question of royalty to be charged, a suggestion was put forward that the initial charge per ton of dried milled week should be 2/6 and that at a later date this should be changed to a charge of  $2\frac{1}{2}$ % of the value of the material f.o.b. Port Stanley.

After discussion a counter proposal was formulated for submission to the Governor that for a period of 10 years the Company should pay a royalty of 2/6 per ton after which the position should be reviewed and a new rate agreed which in no event would exceed  $1\frac{1}{2}$ % of the value of the material f.o.b. Port Stanley.

5. With regard to the power requirements of the Company, it was made clear that provision of these requirements by the Administration is an essential condition of the whole project since the Company could not contemplate the additional capital expenditure involved.

It was reported that the Colonial Office are endeavouring to obtain an option for one month over 2x400 K.W. sets at present installed at Kendal. An estimate of the installed cost of these sets at Stanley was reported to be in the neighbourhood of £20,000.

It was also reported that 3x150 K.W. sets had recently arrived in Stanley for replacement of existing sets used in connection with the Admiralty Wireless station and that if rumours of the possible abandonment of the Admiralty station proved correct it was possible that these sets might be available.

6. With regard to the question of housing, it was reported that the Governor had agreed to provision by the Administration. The Company submitted plans of prefabricated houses prepared by Messrs. UNI-SECO and available F.O.B. within 3 months from date of order.

It was agreed that this matter be discussed and settled with the Governor by Mr. Merton on his forthcoming visit.

7. With regard to the question of water supply, it was reported that the Governor had agreed to meet the Company's requirements. Details were left to be worked out with the Governor by Mr. Merton on the spot.

8. With regard to the question of a jetty extension, it was reported that this matter had been discussed at a meeting with the Admiralty at which the Colonial Office was represented and at which the Admiralty had agreed to prepare plans to enable vessels up to and including the size of a cruiser to obtain oil supplies by direct pipe line from the oil tanks.

It was agreed that this matter should be gone into in consultation with the Admiralty and the Eagle Oil and Shipping Co.

9. With regard to the provision of factory buildings, it was reported that these would not be provided by the Administration.

Finally the question of Mr. Merton's forthcoming visit was discussed and it was decided that all possible matters should be finalised between the Governor and Mr. Merton.

> Yours faithfully, BRITISH AMERICAN KELP CO., LTD. (SGD.) R.R. MERTON Director & General Manager

RRM/DMW.

10338/06/46.

#### 6 Jonnery, 1947.

Sir.

the card lo with

ith r formed to your <u>letter</u> of the 94th December regarding the recent meting held at the Colonial Office, I a directed by r. coretary Greech Jones to day that subject to the modifications which follow the substance of the attern discussed are as stated to your latter.

2. I an to make the following additional comments on individual pointer-

Royalties. In regard to your counter proceed of a rate not exceeding 12 of the value of the material f.o.b. Port Stanley, furth r concultation with the Covernor will be necessary but a further communication will be addressed to you as soon as possible.

favourable consideration to the provision of water " Lytonalus rf

Power lant. The situation as outlined in paragraph 5 of your latter is correct but no reference is under to the undertaking which you adde at the meeting to mortise the amount necessary to provide your Company with the necessary plant, i.e. the principal and interest over a period of say, 14 years, subject to reduction in respect to supplier to Pert Stanley from this plant. /3.

THE DI OTCE AND C I RALLAMAGER, BEITICH RICH KID OCTO NY, LUMIT D. 2. Otherwise your letter appears a satisfactory statement of the present state of a gotisticas. Prior to the receipt of it's report had been sent to the Governor.

The Governor has also been notified of the . expected arrival of Tr. Jones and urgeyne and has been told that Tr. Merton will arrive some time about the middle of February with full powers to negotiate on the Company's behalf.

4. I am to add that your Company would receive equality of treatment with other commercial undertakings in regard to port dues and herbour rights.

> I am, Elr, Your obsûient servant,

Sof. N. B. Mono-

150. 15/4 16 1913 N.Y.

#### SUMMARY OF POSITION

ARRIVED AT AS A RESULT OF DISCUSSIONS WITH SIR FRANK STOCKDALE AND OTHERS AT THE COLONIAL OFFICE ON THE SUBJECT OF AGREEMENTS PROPOSED BETWEEN THE ADMINISTRATION OF THE FALKLAND ISLANDS AND THE BRITISH AMERICAN KELP CO. . .....

> First five years no charge. 2nd. " " £100 per annum.

1st 10 years - 2/6 per dry ton.

prevailing.

Unit

Pilot plant 225 K.V.

" 750 K.W.

to be made up as follows :-

Insurance-Fuel-

Overheads \*

to be provided by the Administration.

SUBJECT

Weed

PROPOSAL

rights -

20 years exclusive rights to be granted for area covering S. E. coast with an option to be exercised within 5 years to extend this area to include the N. coast of the eastern Island. Further option to be granted enabling the Company to take up rights on the expity of the 20 year period within these areas for a further 79 years making 99 in all.

control (of cutting)-

Plans for cutting to be based on local experience or harvesting and to be agreed with the Administration advised by the Government Laturalist.

thereafter revision at 5 yearly intervals any increase being limited to 50% of previous rate.

thereafter royalty to continue on a tonnage basis but to be re-examined at 5 yearly intervals and adjusted to meet the circumstances of the market

Amortisation at 3% over 15 years of that fraction of the total capital cost represented by our estimated requirements.

Operating costs- > consumed by B.A.K. com-

in proportion to units

pared with units generat-

ed.

Licence-

royalty-

Power. requirements-

provision-

charge per unit-

Fousing. - requirement -

Housing .- requirement -

\*010% of operating costs) Pilot stage- 1 Manager's 3 Staff 4 Mechanic's Unit stage - 2 (more) mechanic's provision to be provided by the Afministration rentals to be agreed based on prevailing rates

naho to payout int. @

X

## REFERENCE TO CORRESPONDENCE

BAK. letter 14th Bor (pana 1) mod
" " 4 Nov ( ~ 6)
" " 24 Dec(" 1)
Col. 04. " 7" Jan.
BAK. Letter 24 Dec
Calor. " 7 Sin
BAM. letter 24 Dec
Cor. oft . 75 Jan
BAN. Rever 23rd Jan
Colott 29th San
BAK. Memo 21th how
OHN. MILLIO 215 MED
BAK. Letter 24 Dec Cappore
BAK. Lette. 17 Jan - modif
(a)
BAK. 11 29= Jan.

BAR. Mense 23= Sept - reproted in Letter 24" Dec lette 7's Jan (approved Col. Sec.)

lified By ed Ch. Rec.)

5.

6.

requirement-Water-

Labour.

specified- 300 g.p.h. (smaller quantities will suffice)

to be provided by the Administration.

decided.

at commercial rate prevailing- figure to be

charge-

provision-

requirement-

Atlan - en

provision-

pilot stage- for craft operation-for factory for general duties 6 48 80 to 100 unit stagein all pilot stage- Administration to make available. unit slage - Agreement in principle that Administration will take all steps necessary to ensure provision & that as the Company's labour force expands houses will be provided for such additional labour. (i.e. Company's programme not to be held up through lack of housing in Stauley.)

12

30

the Administration to give sympathetic consideration to the question of participation with the Admitalty, regarding plans for the extention of the existing Camber jetty at a later stage (than the pilot stage).

300 CH WILLS & RALING

the Administration to guarantee equality of treatment with other commercial undertakings.

provision-

7. Port dues & harbour rights.-

Jetty .-

· BAK. Meno - 23" Sept - repreted in u <u>dette - 14</u> Car BARI Litte - 24 Dec. Caraft - 1 - 65 Jan (no oppy log) BAK - 14 Jan BAR Colle - 14th Jan.

HER alle - 7= feb. (cinca) BRK ... - 8= feb.

BAR. Litter - 24 Dec ai.at. 1 - 7-5-

CA &H letter - 7th San. BAK. 1 - 145 Ser.

C.S.O. No.....



Sheet No. TE Dans his herbon yesterday . her is an. the making to more bossinday a 10 arm. I have some SET. The M.U. wee and let CR. Lows gale atoms. He is on the rich list. 2. Of my nover his beston has knikly propers - mining the prism as the harris of Disamin. It is at 37-38. It's file is tolour there it have somenhal Muminimes for easy optime . he has in themes optimes borison a be richt hand side this is summing! In her some of the comparatence ( e.g. 32-36) but as his lucator wants to retain Lifte to work at landen JE. kar. timely rounds it) I have let him stamin it wished of (as in hardle bit.) poting it up with here pp. 3. × g 37 represent that has he

here suggests as an interfaction of the crucia of prime composition with the C.O.

4. I am parting this up it an as Y.E. wich wirk to been a the pitters, n' gas Rime. If G.E. wither to ak to be composition in his bestone file Them the maching, It will somethers las me kuns. (A) 22, 4.40

It. saw learn. harton . Frichet (BAK. C.) to Jay - key an sung ~ Inthe 1475. of agreenent. Br. 25.4 ase 23.4

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41-45

17.

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Cs. I should like to discurs with you in first undance the classes marked with a X

M.C. 25/4.

C.S.O. No.....



47-51

So may be So may be is no nil adia of Orging multiple bacadia. M-M-M-Call

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52

ME. at the back of the file is the mind dap of Hat of Cyrement. It oppos No si ne, st ando; with fis discurrin with the haster a 26 Cpric. 2 he bedre wishe to be among het Export Tax somes with in the film to levies on the milles weed a the Roycein (\$6) unes to the limit Nhen obligation in this new. In neg conciently fin him buck -. Int there ? Agreener? 3. It has very been able to fir. Lich me apy. I Imos if is can See sher, - he despect, many A tis mail - i the min , ce the. So by ' Capic' Ar consulting Ex. C . . ? (.)Sh 28. 4. 47 the ment melity sets of proved development, I de like to an deaft haf he had M.C. 28/4 It. Sut for and pl. I have not dis. and it it he has be the is

anilitle if DE. wichen to De him.

1 10 2/4 Call

DECODE.

Copy filed in 0004/A "B.A.K.C." (Power Supply)

### TELEGRAM SENT.

From GOVERNOR to SECRETARY OF STATE.

Despatched: 29. 4. 47 Time: 14.00 Received: ..... Time: ..... Time: .....

25 No. 233. Your telegram No. 56 Kelp. Paragraph 3 my telegram No. 226. Draft heads of agreement have been drawn up and provisionally

accepted by both parties. I shall send copies under despatch by air maildue United Kingdom latter half May.

2. Merton leaves to night for New York and thence California as result further instructions from his Board to investigate kelp possibilities there. First impressions reported paragraph 3 of my telegram No. 144 have been modified in light of further survey which discloses more promising situation: but earlier report may have disposed Board to hedge since there has been delay in delivery of certain plant for Algenates Ltd. which means parent company not able to take milled weed from B.A.K.C. as early as originally heped.

3. Thus future prospects are quite uncertain and depend on Board's decision in light of Merton's further investigations in California. This cannot be expected before July.

4. Meanwhile I have received your telegram <u>Ho. 146</u> and while I realise fuel crisis in United Kingdom may make early supply of 2 300.K machines out of question I must emphasise that if R.A.K.C. back dow may be landed with machines which we do not immediately require an which we do not wish to take dog in manger attitude pending re-sal

5. On other hand if B.A.K.C. go ahead as on balance I am inclito think they mean to do we must be assured of machines for pilot star in due course.

6. It is thus difficult for me to make definite recommendations I doubt if you will be able to get anything more substantial out of Board but I trust that you will continue to press for decision abou Admiralty Blackstones for if these should become available the imme problem is resolved.

GOVERNOR.

luc 55

G. T. C.

LJII.

IE. I mentione to YE a souce variation i 50 ch. I. han underlind. It is with the same as 45; but then I trained it le beton from me his perme and and that it oppears is the "remise" and of 41-45 whe TE I saw with him, - of which 47-51 is the fini copy. hunforhundley, he has at sh it with time is here as the units - Knigh to my mind mperturns - an with yourst the essence the great 1 aughts his ind. 2. Now to Ex. Co. (B. 53 7 46)? to sheet Int . despit find ? CAL Ex.Co. the sty. An Smo. fr. bol. the Son Jaw ordgare . Othe Am. D. W. Roberts O.K. J.P. Am. a. G. Banton, J.P. (47) - (51) circulated of. w. o. pl. How CS No concurs only asmintan i. 5. 47. ho comment. Oth. 10. V. 47. no bounneit. mo 12.5.47

bony filed in 0004/A "B.A.KC Power Surghy" 54

COFY TELEGRAN RECEIVED

Office of Origin: New York

Date: 11.5.47

Pe. s

To LLT FAK Falkland Islands.

Reference regotiations stop British industrial supply position has upset time schedule more than anticipated stop Position as follows stop Survey period being extended stop No decision commence operations before six months possibly one year stop Inform Governor new position and suggest he cancels all commitments stop]

Merton

See 55

ME. 54 Dut her to Is for como the also 0004/A there a 32. (Be 13.5'

1 Auc. 13/U

Decode.

Copy filed in OOO4/A "B.A.M.C. Power Supply"

### TELEGRAM SENT.

#### From GOVERNOR to SECRETARY OF STATE.

Despatched: 14. 5. 47 Time: 17.00 Received: ..... Time: .....

No. 267. By telegram No. 233 Kelp. Following extract from telegram received by B.A.K.C. representative Stanley from Merton in New York begin

Reference negotiations. British industrial supply position has upset time schedule more than anticipated. Position as follows. Survey period being extended. No decision commence operations before six months possible one year. Inform Governor new position and suggest he cancels all commitments. Ends.

2. In circumstances generators referred to in your telegram No. 162 will not be required and matter must await further consideration.

See 60

GOVERMOR,

for Ex.Co

LJH.

G.T.C.

Duch STT for comin pl. hic 27/,

SAVENGRAL TO SECRETARY OF STATE FOR THE COLUMIES.

dias ayo 220%

10. 29.

55 y tologra de. 267. mittel derions felp company.

A enclose for your information only of draft feeds of gree ont referred 52 to in paragra h 1 of my telegram to. 255. It has not been possible to send it enriter awing to postpone and of mail stermor's mailing date.

2. The Agreement represents a satisfactory basis for further negotiations if situation develops fevourably.

er 68

### DECODE.

10. 30.

### TELEGRAM RECEIVED.

#### From SECRETARY OF STATE to GOVERNOR.

Despatched: 4. 6. 47 Time: 18.50 Received: 5. 6. 47 Time: 09.00

55 10. 188. Your telegram 10. 188 Melp.

I have received copies of report on weed survey and of draft heads of agree ant drawn up during perton's visit. I am given to understand by Company that while no final decision is possible until July there appears to be sufficient supply of Help to provide reasonable prospects for a promising industry and that Company may therefore decide to proceed with original project.

In the circulstances I feel it would be inadvisable to lose option on 2 300 Nilowatt sets and have instructed Grown Agents not to relax effort to secure sets pending a definite decision on the matter.

SECRETARY OF START.

G.T.C.

Com filed in 0004/A "B.A.K.C. Rover supply"

LJH.

I spin to he Tores the he has been whig for the sice cale ~ 9 from. Pl. Br. har day to me permiley. all 576

#### GOVERNMENT TELEGRAPH SERVICE.

#### FALKLAND ISLANDS AND DEPENDENCIES

2		SENT.			
Number	Office of Origin	Words	Handed in at	Date	
			5.6.47		
KE	LP LORDON				

GOVERNOR INFORMED BY SECRETARY OF STATE THAT WHILE NO DECISION POSSIBLE TILL JULY YOU MAY DECIDE AFTER ALITO FROCE D WITH ORIGINAL PROJECT STOP GOVERNMENT ANXIOUS EARLY FINAL DECISION SINCE HAD ASSUMED AS RESULT MERTORS TELEGRAM 11 MAY MO DECISION 6 to 12 MONTHS AND CANCELED COMMITTMENTS ACCORDINGLY BUT I UNDERSTAND OROWN AGENTS TESTRUCTED NOT RELAX OFTION SECURE GENERATING SETS PREDING FINAL DECISION BAK

Time

023 if he has any futher in 1 askes he fore of the he gan me a comp. GRE 9.6 Good. ? 2nd 8 o to the set of a the ghi I knich in she all a with it . he History and the state

Shale need it is any case - impartin The Hostel - , bo is my mid hips the Scale for proceeding was. ase 9,6 s Make is so. the o/ EE. So wishnesks whalley. Extract of 2. B.J. 1017 abl

### Extract from the Minutes of the Executive Council Meeting held On the 26th and 27th of May, 1947.

- - -

"His Excellency informed the Council that further developments had been indefinitely held up, primarily owing to the delays in delivery of machinery: and that he had therefore cancelled all comitments with the exception of the house now being built for their staff, which could be utilised by Government in any case"

Ag. Clerk of the Executive Council.

65 01. 65 C\$ 6 . This dossit 9 B.Q. and A manda Mr. Hats ferther 15

#### GOVERNMENT TELEGRAPH SERVICE.

FALKLAND ISLANDS AND DEPENDENCIES

SENT.

Nur	nber	Office	a of Origin	n Word	ds	Handed in at	Date
	13	Lor	ndon	COPY	86	12.30	1.7.47
To							
	NLT	JONES	BAK	FALKLINDS			

<sup>62</sup> 

113 FURTHER TO OUR 112 AND YOURS JUNE 6th SEGRETARY OF STATES TELEGRAM TO GOVERNOR UNDOUBTEDLY RESULT OF OUR INFORMING COLONIAL OFFICE WE EXPECT BE ABLE MAKE DECISION BETWEEN FALKLANDS CALIFORNIA BY AUGUST STOP EVEN IF DECISION IN FAVOUR OF FALKLANDS NO POSSIBILITY NOW KEEPING TO TIMING OF ORIGINAL PROJECT AND UNLIKELY FOR REASONS GIVEN BY MERTON ANY ACTION FOR 6 TO 12 MONTHS STOP ON STRENGTH OF THIS COLONIAL OFFICE STILL THOUGHT WORTH WHILE ENDEAVOUR HOLD ON TO G NERATING SETS TAYLOR

# BRITISH AMERICAN KELP

MOORGATE, LONDON, E.C.2

DIRECTORS : E. D. MacPHEE, Chairman. C. W. BONNIKSEN. The Hon. M. LUBBOCK. R. R. MERTON. G. F. TAYLOR C.B.F. 4

TELEPHONE : MONARCH 8080

61

Stanley.

28ª april 1947

hig don Governon. And is that you very much indeed for you hospitality and to say how und a have hoged the period of my visit tothe falklands. I shall like to say how grate fil we are to the way in which everyone has done their "I most to help is since the aniver of on first party, and to add that a should be extremely disciplointed if anything when to ge whoy with an place to establish ansolves bere permanenty.

9 was van stan indeed to have for you with you with is littly to be unwold for so largo period. Perhaps you would be good margh to convery to the my kest wighted for a Speedy recovery. your Drickey .

Racple break.

INE. B.U. i.a.u. 65. 2. JE. Las alt seen seen 66. ? h.BL S.S @ he 5/m

Cony filed in coord/A page 37 "BAKC Power Supply"

Decode.

### No. S4. TELEGRAM RECEIVED.

From SECRETARY OF STATE to GOVERNOR.

Despatched: 11. 8. 47 Time: 14.05 Received: 12. 8. 47 Time: 09.00.

56

No. 276. Your telegram No. 19 Saving KELP.

British American Kelp Company states that in the light of information they now possess regarding avail abilities of Kelp near Falkland Islands they do not feel justified in expecting Crown Agents to retain their option on 2 300 K.W. plants. Consequently it has been given up.

I hope this isn't pirt tricking it

2. Company have not definitely abandoned the project but say that it will be some time before a firm decision can be reached.

See 70

SECRETARY OF STATE.

G.T.C.

LJH.

devided on a line of artis that the Into her Blackstonie , to go from for con me , sai 000-+/A 2. Par Septy is being! 0004/A CBh 12.5 MC 13/111

Original filed in 0004/A page 38 "B.A.K.C. - Power Supply" [)ECODE. Copy filed in 94/46 page 41 "Rental of Buildings by Admiralty"

### TELEGRAM SENT.

#### From GOVERNOR to SECRETARY OF STATE.

Despatched: 13. 8. 47 Time: 17.00 Received: ..... Time: .....

68 10. 446. Your telegram No. 276.

I note Grown gents have given up option on 2 300 K. J. cets and I hope for very carly decision regarding future of Naval station sought in my despatch No. 15 of 5th June.

2. In certain circulationes ad inalty might be disposed to reconsider placing Blackstones at my disposal (Your telegram <u>10.162</u> refers) but if that still remains impossible I shall as cuplier intimated require your assistance in securing plant for new power station required in 1949 in view obsolescence present plant, and irrespective of British merican felp Company requirements. Later however would materially affect position and I should be grateful for earliest indication of when final decision is likely to be taken by them and by Admiralty.

Go Vander A.

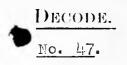
Go Lo Go

08-70 the Jones returned lat with from an exhaption keep. Survey of all the are the S.E. side of the W. E. Falklants to re 2.E. his c.n. ash:

Seon - he is tolegraphing stead office. We can do a more. I do not read 68 as at all find. MC 21/1111

21.5

Copy filed in 0428 Power Supply - Stanley.



### TELEGRAM RECEIVED.

From SECRETARY OF STATE to GOVERNOR.

Despatched: 28, 8, 47 Time: 17, 42 Received: 29, 8, 47 Time: 09,00.

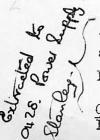
No. 306. Your telegram No. 446. Seaweed.

British American Kelp have decided to abandon project but state that decision refers only to present world economic crisis. Reasons given for this decision are (1) high costs of collection of raw materials (2) prohibitive freight rates (3) large capital outlay at present inflated costs involving high depreciation and amortization of charges.

Company have decided that their representative should complete survey since they hope to resume negotiations when world conditions are more favourable.

Company express regret at having to make this decision and convey great appreciation of assistance received from you.

Saving this follows.



2. It will be ? impossible to obtain new generating plant through trade source by 1949 but Admiralty have said that they might be able to lend Blackstone Engines and Crown Agents are obtaining fuller particulars of sets. Do you agree with this course.

SECRETARY OF STATE.

See 74, 86

, the 12 with onto here. for anin-pri. (.68 on outer.) (else Assue . We shall have to got service and here I assume we such to the sile auguranty sollicities bound GH ); how long would it take to build Extracted 15 0428 - Power Supply - Stoandey. in le Paris in her in the

# GOVERNMENT TELEGRAPH SERVICE.

### FALKLAND ISLANDS AND DEPENDENCIES.

# RECEIVED.

NumberOffice of OriginWordsHanded in atDate57London4117.2129.8.47.To

MLT Bak Faltlandislands

YE.

Colonial Office informed decision that impossible go ahead in Falklands present time owing high cost delivered product stop they are <u>telegraphing</u> Governor to whom I have written personally stop continue programme meantime writing regarding your future arrangements.

Herton

SOLATI

Time

# BRITISH AMERICAN KELP

4 MOORGATE, LONDON, E.C.2

TELEPHONE : MONARCH 8080

DIRECTORS : E. D. MacPHEE, Chairman. C. W. BONNIKSEN. The Hon. M. LUBBOCK. R. R. MERTON. G. F. TAYLOR, C.B.E.

> Stanley, 4th September 1947.-

The Honourable The Colonial Secretary, Stanley.-

Sir,

2015

Binnin 1

the Ali

Second.

It is with regret I inform you that I have been advised from our London office that British American Kelp Company, Limited, "will not operate in any event".

There is a letter in the post, addressed to Mis Excellency, The Governor, from Mr. Merton, the General Manager, explaining the situation.

I have the honour to be,

Sir,

Your obedient Servant, for BRITISH AMERICAN KELP COMPANY LIMITED.

Dederick

INE. 75 is finde. I han sphere to y.E. about provide amangements , start it back a nears of hi F. Jone's cares. and I saw m' Jones som side he would be a most suitable candidate for the new FIDS ocosal. Please and tolegram at care at ance. me 1/1x

DECODE.

@riginal filed in 0037/Pur.V/28 "F.I.D.S. Proposed purchase of American Vessel for F.I.D.S."

### TELEGRAM SENT.

From GOVERNOR to SECRETARY OF STATE.

Despatched : 4. 9. 47 Time : 16. 30 Received : •••••• Time : •••••

### IM EDIATE.

No. 492. By Immediate telegram No. 477 F.I.D.S. Jones local agent 37- 00271 B. A. K. C. has just been informed that Company will not operate here "in any event" and that his contract will be terminated. I think you would be well advised to consider his candidature for Master of new F.I.D.S. vessel. Age 33; educated in the Worcester; 8 years with Royal Mail with whom he ended as navigating officer "Highland Monarch"; four years with Falkland Islands Company as Chief Officer "Fitzroy" in which he made three trips to Antarctic 1943 - 44 - 45; known to Marr and Bingham; is Master Mariner and held RMR commission serving in "Mood" Curacao" and "Drake". Have had opportunity to guage his character and consider him conscientious competent and dependable. Is married and wife and child are in Colony. He would be prepared accept emoluments suggested in my telegram and if you have not made other arrangements I consider he would be very suitable. Should you favour this proposal I would arrange for / him to fly home. Grateful early reply.

Sec 78

GOVERNOR.

P/L.

LJH

Original filed in 0037/Pur.V/29 "F.I.D.S. Proposed purchase DECODE. of American Vessel for F.I.D.S."

### TELEGRAM SENT.

#### From GOVERNOR to SECRETARY OF STATE.

IMMEDIATE.

Despatched : 5. 9. 47 Time : 14.35 Received : ..... Time : ....

No. 495. My telegram No. 492. F.I.D.S.

Jones recommends George Faulkner for favourable consideration if he applies for post Chief Engineer. He is fully certificated Chief Engineer with diesel endorsement formerly Second Engineer "San Casto" which stationed at Stanley during war. In 1946 was appointed Engineer Superintendent Falkland Islands Company but was released by latter to B.A.K.C. for whom he is at present understood to be working and could in any event be contacted.

2. Faulkner married into local family and is understood to wish to return to Falkland Islands. He has "excellent" personal reference and if his experience and professional qualifications are acceptable should consider him suitable candidate. While I would in some ways prefer ex RN engineer there is obvious advantage in employing officer with local connections.

GOVERBOR.

P/L.

LJH.

# BRITISH AMERICAN KELP

COMPANY, LIMITED

4 MOORGATE, LONDON, E.C.2

E. D. MacPHEE, Chairman. C. W. BONNIKSEN. Hon. M. LUBBOCK. R. R. MERTON. G. F. TAYLOR, C.B.E. TELEPHONE : MONARCH 8080

21st. August. 1947.

my dea Bouch 51.

I have today written a letter addressed to the Colonial Office, a copy of which I enclose.

> In it I have outlined the reasons for the decision which we have reluctantly arrived at, namely that we are unable, at the present time, to go ahead with establishing a weed supply base at Stanley.

You will note that we do not by any means exclude from our thinking the possibility that at a later date the position may become reversed, and that the present situation is to some considerable extent connected with present economic conditions, which make the manufacters lot a hard one.

This, naturally, comes as a personal blow to those of us who are in the Company, but I am particularly sorry to have to write and tell you these news in view of the extremely kind treatment we have received at your hands and in view of the very considerable amount of time and trouble you have devoted to helping us.

I hope in due course to write to others who have been kind enough to help us, but in the meantime I should be most grateful if you would thank Mr. Matthews on my behalf.

I must also say how sorry I am that we should have been so long in coming to a decision, but I am sure you will appreciate that this has been at least in part due to our reluctance to accept a negative decision.

Thank you so very much for all your help.

yours Successive Relphile lon?

22nd. August. 1947.

Ler Secretary of State for the Colonies, Thisl Office, Cf House, Mehall, S. 1.

#### For the attention of Mr. C.J.T. Barton.

Dear Sir.

I write to inform you that since the return of Mr. E.D. MacFhee and Mr. R. R. Merton to this Country, the matter of this Company's proposal to establish a seaweed collecting and processing plant at Port Stanley, Falkland Islands, has been under most careful consideration and it has reluctantly been decided that it is not possible at the present time for the Company to go sheed.

In view of the considerable emount of both time and trouble which has been devoted to consideration of the proposel by the Colonial Office and the Government of the Falkland Islands and in view of the very real assistance which the Company has already received at their hands, it is felt that some explanation of the reasons leading to this decision is called for.

During the course of the visits paid to the Falkland Islands by Mr. Merton and members of his staff, information was obtained not only regarding the quantity of weed likely to prove available for harvesting but also regarding such factors as would enable an accurate estimate to be made of the cost of the product as it would be delivered to Messrs. Alginate Industries Ltd., for use in their chemical plants.

The two questions of quantity and cost are of course to some extent inter-related, but it is nevertheless as a resul of the estimate of cost per ton arrived at that the decision to abandon the project has been taken, the total quantity of weed present being considered sufficient.

The unexpectedly high cost figure is sttributable to several factors of which the following are the most important In the first place, the wood, slthough present in sufficient quantity, is distributed over such a wide area that it would be necessary for harvesting vessels to travel a very much greater average distance than was anticipated.

Secondly, weather conditions were found to be mare severe than was at first supposed, leading to the conclusion that an altogether more seaworthy and hence expensive type of hervesting craft would be necessary. Furthermore, s considerably greater proportion of hervesting time would be lost, thus increasing the number of craft it would be necessary to operate.

Thirdly, a closer study of the question of freight rates discloses that this item, which has throughout been recognised as likely to prove a necessarily heavy burden, is at present prohibitively high.

Finally, it has been estimated that in spite of every offer of assistance on the part of the Covernment of the Malkland Islands, extending to the provision of both power and housing, a capital outlay on the part of the Company on the present inflated costs of not less than five hundred thousand pounds would be necessary, thus involving very considerably higher depreciation and amortisation charges then were initially envisaged.

It will be appreciated, however, that a number of the factors contributing to the present high estimate of cost are related to the prevailing world economic conditions; that in course of time one or more of the factors may significantly alter; and that the decision not to go shead refers only to the present time.

It is in fact the opinion of the Board of the Company that the quantities of weed found, although disappointing compared with initial expectations, are such that if the alginate industry is to go shead and become firmly established on a world basis, the potential raw material supplies of the Falkland Islands cannot be overlooked. It is for this reason that it has been decided that the Company's one remaining representative in the Falkland Islands shall continue to complete the survey.

We therefore trust that, should it be commercially possible for us to reconsider our decision at a later date, negotiations can be resumed at the stage which they have resched.

In conclusion, the Board would like to express their

very sincere appreciation for the extremely generous treatment which the Company has received from both the Coloniel Office and the Covernment of the Pelkland Islands, and to express their regret regarding the decision which it has become necessary for them to take.

#### Yours feithfully.

BRITICH AMERICAN COLP CO., LTD.

Director.

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Mike nører? Alle 18.5

Mic 18/1X

ZE. Dup Cr- Mase Mrs. 10,

19th September, 1947.

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My Dear Merton,

Hany thanks for your letter of the 21st of August, 1947. I was indeed sorry to learn that for the present at least your Company had found itself compelled to break off operations here. Perhaps in the course of time and with the solution of present economic difficulties there may yet be a happy outcome of our negotiations, which will be of benefit to your Company and to the Falkland Islands alike.

I have given your message to Mathews, who sends you his kindest regards.

With good wishes from Mrs. Clifford vself.

and myself.

Yours sincerely,

(Sgd.) Miles Clifford.

R. Merton, Esq., British American Kelp Company, Limited, 4, Moorgate, LONDON, R.C.2 C.S.O. No.....

Inside Minute Paper.

Sheet No.....

A Lise

You ask about B.A.K.C. They went from you to California and appear to have found the dollar position prohibitory. They next considered Bermuda and found that the weed there was not to their liking. They have now told us that they will let us have a decision by the end of August. I think they realise that the supply position for machinery etc., is so bad here that they could not hope to keep to the timetable which they laid down for themselves. I think it would be a great thing if we can secure them for the Falklands.

Extract from D. O. hetter Luxon Barton Eig of 8th august 1947 Conginal in 0287 " D.O. Correspon

1K 12.10

Stanley, Cctober 9th 19h7.-

her in

12-3

# The Honourable The Colonial Secretary, Stanley.

Sir,

I have to inform you that I have accepted employment with The Falkland Islands Company, Limited, as from to-morrow, the 10th instant.

My appointment has meet with the entire approval of The British American Kelp Company, Limited.

I have the honour to be,

Sir,

Your obedient Servant,

frederick foren.

Saving.

From the Secretary of State for the Colonies.

To the Officer Administering the Government of FALKLAND ISLANDS.

Date / September, 1947.

at prant with

Onde PWD, and

Deligram Pro

No. 22 Saving.

My telegram No. 306.

Seaweed.

Enclosed is a copy of a letter received from the British American Kelp Company, announcing their decision to abandon the project under the present world economic conditions and of my reply.

0004

0

2. With reference to your telegram No. 479, a further communication on the outcome of the Crown Agents' approach to the Admiralty regarding the possibility of obtaining the Blackstone generators will be sent.

SECER.

" yr tel 306 Renverk Para 2. Vagree & would accept offer ment gratefully



19888/96/47

Land a la bala had a had a had a had

XXXXX The Church House, Great Suith Street, Cestmingtor, C. .1.

Sth September, 1947.

1179

I am directed to acknowledge the receipt of your letter of the 20nd lugurt, in which you state the decision of the British American Kelp despany Limited not to proceed with its project for a seaweed industry in the Falkland Islands under the present world economic conditions.

2. Mr. Creech Jones shares your regret that various economic factors have intervened to prohibit your venture; and instructs me to say that your tribute to the cooperation afforded by the Falkland Islands Government and by this Departments much appreciated.

3. In turn, I am to express the hope that it may prove possible later to

THE DIRECTOR

BRITIGH AMERICAN KELP COMPANY LIMITED



to resume the cordial relations which have existed with your Company.

> I um, Sir, Your obedient servant,

> > (Sgd.) Juxon Barton



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Sheet No.....

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7.

Stanley, 3.1.48.-

The Honourable The Colonial Secretary, Stanley.

Sir,

Enclosed herewith please find a cutting about seaweed research. Most of the names mentioned in the article are connected, in some way or another, with A.I.L.

l wish to make it clear that the cutting is sent by me, on my own initiative, and that B.A.K. have not suggested that 1 should do so.

Please do not allow it to be published in the Weekly News nor refer to it in the Crown Colonist.

1 have the honour to be,

Sir,

Your obedient servant,

veclerile

TE. k.

### THE INSTITUTE OF SEAWEED RESEARCH

"T TERE, Scotland has a chance. Eire, Norway, America, Japan, have all, in varying ways, exploited their seaweed resources. We are only at the beginning, and this splendid research station gives us the opportunity not only of making up on these countries, but of surpassing them." So declared the Right Hon. Joseph Westwood, Secretary of State for Scotland, when, on September 19, he officially opened the headquarters of the Scottish Seaweed Research Association-the Institute of Seaweed Research, Inveresk Gate, Musselburgh, Midlothian. Until recently a large mansion house, Inveresk Gate now contains adequate botanical, chemical, engincering and photographic laboratories, engineering workshops, a drawing office, a library, and conference and display rooms, apart from the necessary offices. The Institute stands in eleven acres of ground, and is situated sufficiently near Edinburgh, the University, and the sea to meet the Association's various needs.

The Association was formed in June 1944, and until Inveresk Gate became available the director and staff used the King's Buildings (of the University of Edinburgh) A.R.P. Control Centre as offices, as well as certain of the University's research laboratories and facilities. During the first two years of its life the Association was financed by means of a grant of £25,000 from the Development Fund. Thus was made possible a survey of Scottish seaweed resources and investigations into methods of harvesting, handling and processing these resources. Now, Government has provided over a period of five years a further sum of £90,000, and it is hoped that at least another £10,000 will be fortheoming from industry, and from public-spirited individuals. Dr. F. N. Woodward is director of the Institute,

but at the moment has been seconded to act as director of the United Kingdom Scientific Mission in the British Commonwealth Scientific Office in Washington. The acting director is Major P. Jackson. Under this joint direction the staff of the Institute operates under three divisions : botanical, chemical and engineering. The activities of these divisions may be outlined, as in the director's report, as follows:

(1) Survey of Scottish seaweed resources. (a) Development of reliable survey methods. (b) Quantitative survey of the Scottish coast for littoral, sublittoral and cast brown weeds. (c) Study of economic and ecological factors. (d) Determination of optimum conditions of growth by controlled culture.

(2) Harvesting and processing investigations. (a) Development of economic harvesting methods. (b) Determination of optimum conditions of drying, grinding and processing.

(3) New and extended uses of seaweed and seaweed products. (a) Determination of the chemical composition of Scottish seaweeds and its variation with change of species, season, age, environment, etc. (b) Determination of the properties and characteristics of the chemical components of seaweed and their derivatives, with the view of finding new and extended uses. (c) Development of methods of production of such constituents and their derivatives as are of potential technical value. (d) Determination of the value of seaweed as a component of animal feeding-stuffs and as a fortilizer. Superimposed upon this programme, and as a logical outcome of its partial completion, is the new problem which arose during 1946, that of endeavouring to establish in the Outer Hebrides a ground, dried, rockweed producing unit.

At this stage it may not be out of place to outline briefly the activities of the three Divisions. Acting head of the Botanical Division is Mr. F. T. Walker. He and his assistant algologists have had to solve one of the two main problems facing the Association. namely, whether or not there is enough weed on Scottish coasts at a density sufficient to warrant commercial utilization. Accordingly, a littoral wood survey was commenced in April 1945 and concluded in December 1946. During this time, 4,250 of the 4,630 miles (92 per cent) of practical Scottish coast, exclusive of the Shetlands, were covered and more than 180,000 tons of littoral weed estimated to be present. The most prolific area apparently is in North Uist, where Loch Maddy and Loch Eport support a total of about 60,000 tons of littoral weed. On the basis of this estimation and full-scale trials now nearing completion it may be feasible to establish a harvesting and processing unit in Loch Maddy. One of the most prolific areas for sub-littoral weed is likely to be found around the Orkney Islands, where the sea-bed between one and six fathoms (low water) has been estimated to support well over 1,000,000 tons, perhaps nearly 2,000,000 tons, of seaweed of the family Laminariacea. The species of this family most common to the Scottish coast do not apparently grow in measurable quantities below nine fathoms (low water), and to harvest at depths below six fathoms (low water) would be quite un-economic. A further survey of the sub-littoral seaweed growth around the Orkney Islands, and, if possible, of other rich alge-bearing areas in Scottish waters, is part of the programme of the algologists for 1947-48, using techniques developed in the Association's laboratories. Other aspects of their researches include a survey of the cast seaweed during the winter months of 1947-48, a determination of the rates of regrowth and recolonization of the Fucaceæ of Orkney, an estimation by controlled cultural methods of the minimum requirements for successful growth and development of the British Laminariaceæ from zoospore stages, and the induction of polyploidy in the Laminariaceæ by chemical and physical means. Moreover, several extra-mural invostigations are in progress. Dr. Dolf and Miss Moss of Westfield College, London. are studying the concontration gradients and constitutional and physiological differences in the Fuci from areas of varying exposure, and Prof. Bennet-Clark and Mrs. Milnthorpe, of King's College, London, the metabolism of respiration of the Laminariacea.

Meantime, one can say with safety that the Botanical Division has shown that sufficient seaweed is available in Scotland to make the seaweed industry a commercial proposition, if the seaweed can be harvested.

The harvesting of the seaweed is, of course, the second of the two main tasks confronting the Association, which stands or falls by its ability to solve the problem. This is the problem of the Engineering Division headed by the deputy director of the Institute, with Mr. Wm. Mackenzie, who has been with the Association since its inception, as second in command. Seaweed growing in the littoral zones is comparatively easy to harvest, and methods of harvesting have already been devised and are being



developed. Sub-littoral seaweed, growing on the rocky sea-bottom at depths of between one and seven fathoms (low water), is much more difficult to harvest. In most parts of the Scottish coastline it grows fairly close inshore and necessitates the use of powerfully engined, shallow draft, and easily manceuvrable vessels. Therefore, before embarking on a costly series of experimental investigations, the Engineering Division has contacted upwards of thirty engineers and interested mombers of other professions in the universities and colleges, Government departments, Government and other research organisations and in industry with the view of obtaining as many suggestions and constructive criticisms of existing ideas as possible. As a result, the problem has been considerably clarified, and now six possible methods have been evolved which are considered worthy of full-scale investigation. Already the first two experimontal units, operating on different principles, have been designed and all the necessary equipment ordered, and shortly the first trials will start off the west coast of Scotland. Meantime, during much of the past year the ongineers have had to devote themsolves to matters associated with the lay-out, furnishing, servicing, equipping and the adaptation of Inversek Gate to the Association's needs.

Assuming, then, that the necessary apparatus for the harvesting of the sub-littoral seaweed will be evolved, the main object of the Scottish Seaweed Research Association will be the development of soaweed as a source of chemicals. So far, the only seaweed product that is being used commercially on a large scale is alginic acid; but for every ton of this acid which is extracted, there are three tons of potentially useful chemicals running to waste. Obviously, the Chemical Division, headed by Dr. W. A. P. Black, has a huge field for research, and many problems have been initiated. Several of these are extra-mural investigations at certain universities and research establishments, either on a contractual or on a collaborative basis. Dr. Percival, at the University of Edinburgh, has developed accurate methods for the estimation of alginic acid, laminarin and mannitol, and is also directing research on fuccidin. At the University of Manchester, under the direction of Prof. E. L. Hirst, the chemistry of alginic acid and laminarin was being investigated. Porhaps acid and laminarin was being investigated. Pornaps this work will now also be conducted in Edinburgh, in view of Prof. Hirst's recent appointment to the new Forbos chair of organic chemistry in this Univer-sity. At the Imperial College of Science and Tech-nology, Sir Ian Heilbron and his colloagues Dr. L. N. Owen and Dr. A. H. Cook are studying the brown seaweed lipoids and the chemistry of the algal re-rectuding processes. Algal steerols are being studied productive processes. Algal sterols are being studied at King's College, London, by Prof. D. H. Hey; while at University College, Nottingham, Dr. D. O. Jordan with the late Prof. J. Masson Gulland was attempting to isolate and identify the unknown con-stituents of the brown seaweeds by electrophoretic methods.

During the past two years the staff of the Chemistry Division has been working on the seasonal variation in the composition of some common brown algæ. For example, in 1946, some 144 samples of littoral weeds of the family Fucaceæ, Pelvetia canaliculata, Fucus spiralis, F. serratus, F. vesiculosus and Ascophyllum nodosum, and of sub-littoral weeds of the family Laminariaceæ, Laminaria digitata, L. saccharina and L. Cloustoni, have been collected and prepared under strictly controlled conditions, and their dry weight, 0004.

Juth January 48.

Sir,

I an directed by the Governor to refer to your letter of the 3rd of January, 1943, enclosing a newspaper cutting regarding senweed research, and to say that His Excellency has read the cutting with interest.

i can,

Sir,

Your obedient servant.

(SGD.) A. B. MATHEWS. Colonial Secretary.

Frederick Jones, asq., STAWLEY.

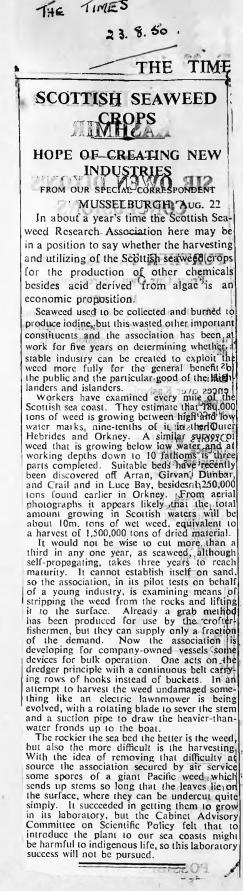
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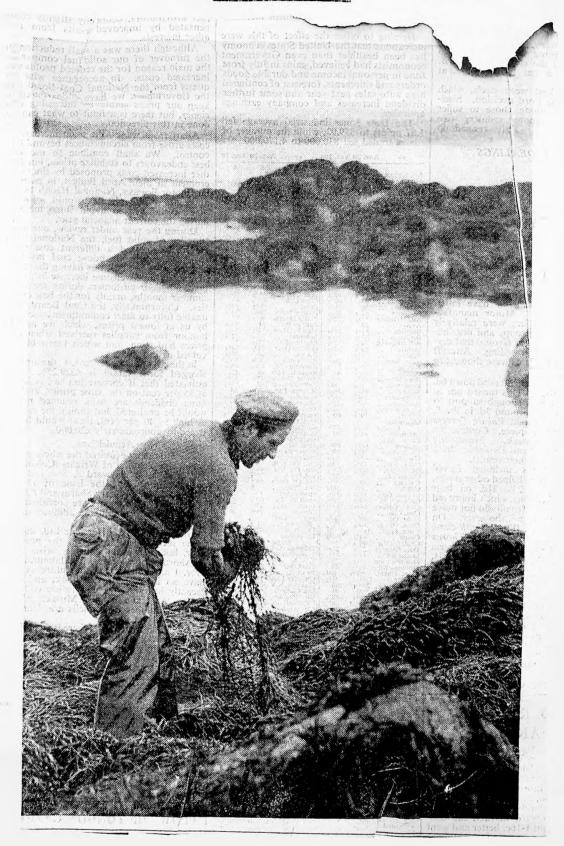
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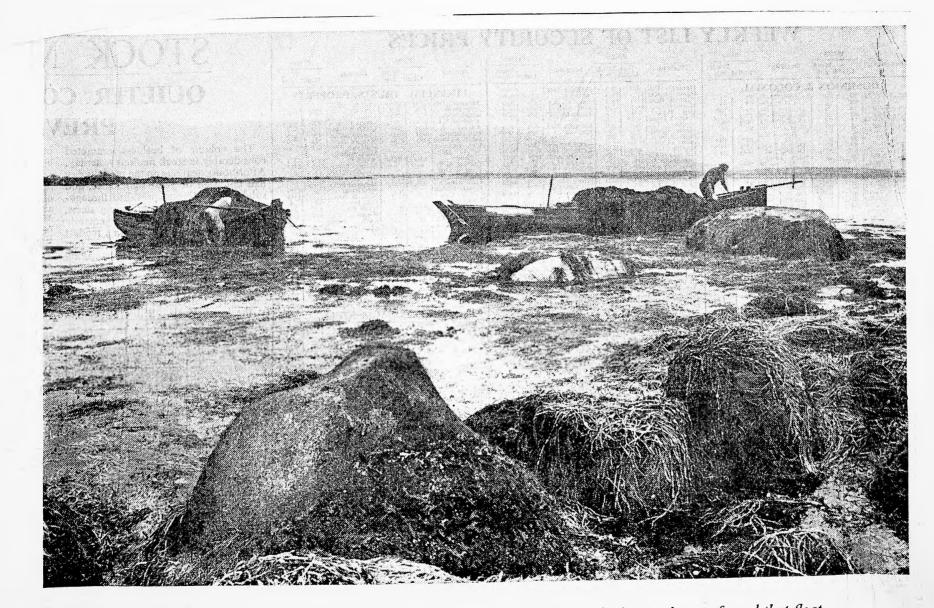
Extract from the Times of Saturday, August 21st 1966.

### SEAVEED HARVESTERS



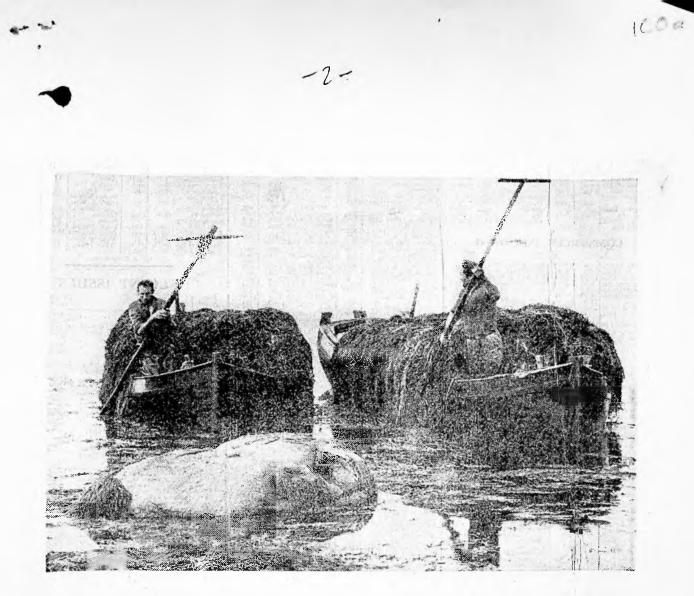
probably off the west coast of Scotland or Ireland. The relevant explanation to the photographs was burnt.

Kelf file 100



The menbreak the weed from the rocks by hand and work up from the low water mark, leaving heaps of weed that float

10



As the tide rises boats are filled until each contains about two and a half tons of seaweed



Pa

EXTRACT FROM MINUTES OF THE MEETING OF THE MATURAL RESOURCES COMMITTEE

HELD ON THE 18th JULY 1966

### (b) Kelp

Mr Vinson asked what had become of the kelp project. His Excellency replied that he understood that the project had been found uneconomical.

His Excellency had discussed kelp with a visitor, Professor Fogg, who had stayed at Government House earlier this year. Professor Fogg is a Fellow of the Royal Society and professor of botany at Westfield College, University of London. He is an authority on sea weeds. Professor Fogg had told H.E. that, although it sounded far-fetched at the moment, when hovercraft are more highly developed the harvesting of kelp might become a commercial proposition; he felt that perhaps it would not be ridiculous to envisage hovercraft collecting kelp as a fertiliser for Falkland Island farms

COMMONWEALTH OFFICE GREAT SMITH STREET, LONDON S.W.I Telephone: Abbey 1266, ext.

Our reference: YC 7/ALG Your reference:

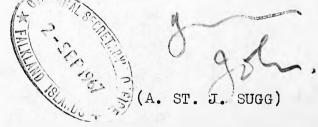
19 July, 1967.

I enclose copies of two letters \\ from the Alginate Industries dated the 23 May and the 10 July and the enclosure mentioned in the latter. Incidentally the first letter went astray which is the reason for the delay.

Der Ymm

2. The firm is apparently willing, as they say in their first letter, to pay all the costs involved and I suggested that let you know what is involved hence the second letter.

3. Possibly you would like to write direct to Alginate Industries letting them know whether you can undertake this job.



W.H. Thompson, Esq., M.B.E., Government House, STANLEY, Falkland Islands.

See 103

# ALGINATE INDUSTRIES

DIRECTORS W R MERTON, Cheirman R R MERTON, Cheirman R CAMPBELL: PRESTON, DE, C DE, MC DE, MC DE, MC DE, SANKES, IL, SANKES, IL, SANKES, FL, G, GRIFFITH-JONES

AHS/JG

22. HENRIETTA STREET, LONDON, W.C.2.



TELEPHONE OI-836 0451/4 OI-836 0142/3 TELEGRAMS LONDON W C 2 CALGINATES, LONDON, W C 2 CALGINATES, LONDON, W C 2 BENTLEYS SECOND PHRASE TELEX 23815.

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1021A

10th July 1967.

A. St. John Sugg, Esq., Gibraltar & South Atlantic Dept., Commonwealth Office, London, S.W.1.

Dear Mr. Sugg,

### Falkland Islands

Following our telephone conversation, I now send two copies of the instructions for sampling kelp from the Falklands.

By an odd chance, we have just heard from a Mr. F. Jones, now resident in Montevideo, who took part in our Falklands kelp survey some twenty years ago. Mr. Jones, who is a master mariner, and at one time employed in the Falklands service, believes that he may be appointed to take out a small vessel, the 'Forrest' from London to Port Stanley, in September. I do not know if this appointment is the concern of the Falklands Government, or the Falkland Islands Company, but in any case Mr. Jones would be the perfect choice for setting up the sampling procedure in the Falklands: and if indeed he comes to London, we shall of course see him.

Yours sincerely,

A. H. STEWART



# ALGINATE INDUSTRIES

DIRECTORS W. R. MERTON, Chairman R CAMPBELL-PRESTON, OBE, MC P. P. MERTON A C W NORMAN, O BE R. H. MCDOWELL

THE FUNCTION THE VISCOUNT STUART OF CORN, P.C. C.H.M.V.O.,M.C. F. L. G. GRIFFITH-JONES

22. HENRIETTA STREET, LONDON, W C.2



TELEPHONE 01-836 0451/4 TELEGRAMS ALGINATES LONDON WC 2 CABLES "ALGINATES, LONDON, WC 2. BENTLEYS SECOND PHRASE. TELEX: 23815.

10213

Sampling of Giant Kelp (Macrocvstis Pyrifera) from the Falkland Islands

- (1) Select a kelp bed in open water.
- (2) Each month take 101bs wet kelp from this bed, cutting the stem below water level.
- (3) Dry the 101bs wet kelp to 90% Dry Matter, i.e. reduce it to 11b. The drying must be done in hot air, not exceeding 80C. and the kelp must not be exposed to an open flame, i.e. it can be dried on or around a hot water boiler, but not at a furnace.
- (4) Break up the 11b dry sample roughly, and pack suitably, and mark with the date on which it was cut.
- (5) Post to Alginate Industries Limited, Ladyburn Works. GIRVAN, Ayrshire, Scotland.

It is appreciated that deliveries may be irregular, but that does not matter providing the samples are taken regularly each month, and correctly marked with the date of cutting.

10210

23rd May 1967.

MIS/BC

The Under-Secretary, Corruonwealth Relations Office, Downing Street, London, S.W.1.

Dear Sir,

### Falkland Islands

We would like to organise, for purposes of chemical analysis, a supply of samples of kelp from the Falklands, over a period.

When we made some investigations into this matter almost 20 years ago, we were assisted in this regard by the Government Naturalist in the Falklands, and if this office is still extant, we might, with your consent, address ourselves to this officer.

In any case, we shall appreciate your advice; and needless to say all the costs of obtaining samples would be to our charge.

Yours faithfully,

AU A. H. STEWART Secretary

0004

12th September,

67

### Dear Sir,

1021A

Your letter of the 10th July, 1967 addressed to Mr. A. St. J. Sugg of the Commonwealth Office concerning kelp sampling in the Falkland Islands.

The Harbour Master will be able to undertake the work you require and if you will let me know when you wish the survey to commence the necessary arrangements will be made.

It may be that you have already contacted Mr. Frederick Jones in London, in which case we shall no doubt learn more on his arrival here.

Rept at 109

Yours faithfully,

(W.H. THOMPSON) COLONIAL SECRETARY

Mr. A.H. Stewart, Alginate Industries Ltd., 22, Henrietta Street, LONDON, W.C.2.

ER

Copy to Harbour Master A. St. J. Sugg (Neference your YC 7/ALG of the 19th July, 196

Or

DAGOSUR S. A. EXPORTACION - IMPORTACIÓN - REPRESENTACIONES

DIR. TELG.: "DAGOSUR"

5.82

GRAL. LUNA 1284 TELEFONO 20-98-19 MONTEVIDEO

September 5, 1967

To H.M. Colonial Secretary PORT STANLEY - Falkland Islands

Dear Sir,

Will you please inform us whether it would be feasible for us to either establish a camp of our own or find somebody that might be interested in collecting around 2,000 tons a year of GRACILARIAS ALGAS in the proximity of the Islands? If the reply should be in the affirmative, can you possibly indicate an idea of the cost of exploitation?

Also, will you kindly inform us whether we are correct in believing that the following are types of algae to be found in abundance there: Macrocystis, Lessonia, Gracilarias, Gigortinas, Porphira, and Ulvas ? If our presumption is correct, can you ple ase give us an indication of the estimated area occupied by each variety and their corresponding seasonal quantities ? Do you consider that it might be possible to exploit the variety that specially interests us and any or all of the others, with the aid of fishing boats, without having to provide a vessel of greater dimensions ? Could local labour be enlisted ?

We anticipate sincere thanks for the considerate attention that you may extend to this decidedly complicated inquiry.

Yours faithfully,

DAGOSUR S.A. William F. Mundy

Coply or 105

wim/h

28th September 67

Dear Sir.

### 04

Thank you for your letter of 5th September 1967.

There is undoubtedly large quantities of seaweed to be found around our shores but unfortunately there is little scientific information available for study. am enclosing a brief memorandum on the subject written about thirty years ago but I doubt whether you will find it very helpful.

About twenty years ago a British company established itself here with a view to exploiting the industry but soon decided the project was uneconomical although this decision may well have been largely influenced by the distance factor and relatively high cost of transporting the product to European markets.

It might help you to know that one of the persons associated with the British Kelp Company is now resident in Uruguay although at the moment he is captaining a small vessel out to these islands from the United Kingdom. The vessel, the FORREST, will however be calling at Montevideo en route to Stanley about mid October and staying there for a period of dry docking, thus you may shortly have an opportunity to contact him. He is Captain Frederick Jones of Avenida de las Instrucciones, KM. 19, Montevideo (Tel: 2.22.08).

I am sure out Agents Messrs Maclean and Stapledon, and through whom I am cending this letter, will be pleased to advise you of FORREST's arrival.

If there is any other assistance you require please communicate further.

Yours faithfully,

(H. L. Bound) ASSISTANT COLONIAL SECRETARY

Repty at 107

Mr. William F. Mundy, DAGOSUR S.A., Gral. Luna 1284, MONTEVIDEO

(Tel: 20.98.19)

FA

0004

# ALGINATE INDUSTRIES

DIRECIURS W R MERTON, Chairman R R.MERTON, Chairman R CAMPBELL-PRESTON, Directors OBE,MC OBE,MC Directors A C W NORMAN, O BE R H.MCDOWELL D. L BANKES. THE RT.HON THE VISCOUNT STUART OF FINDHORN, PC.C.H, M VO,MC E. L. G. GIFFITH-JONES.

AHS/BC

The Colonial Secretary, Colonial Secretary's Office, Port Stanley, Falkland Islands, South Atlantic.

22, HENRIETTA STREET, LONDON, W.C.2



SECRETARY'S

TELEPHONE OI-836 0451/4 OI-836 0451/4 TELEGRAMS ALGINATES, LONDON W C 2<sup>T</sup> CABLES ALGINATES, LONDON, W C 2 BENTLEY'S SECOND PHRASE. TELEX, 23815

7th September 1967.

Dear Sir,

You will perhaps be aware that in 1947 this Company carried out an extensive survey of the Kelp resources, and the facilities of the Falklands, as a source of material for Alginate manufacture.

We must make it clear that there is no immediate prospect of our proceeding with this project so long as our existing and much cheaper, sources of supply suffice for our requirements. Nevertheless the growth of our industry and the possibility of a sudden and unexpected demand, makes it desirable that we should now re-examine and bring up to date our findings of twenty years ago.

The first essential is to bring our analyses of the Kelp into line with our present methods, and for that purpose we require monthly samples over a period of years, prepared in accordance with the specification enclosed

You may know that Mr.F.Jones, who is taking the 'Forrest' out to Port Stanley, took a leading part in our work in the Falklands in 1947, and his presence in London gave us an opportunity to discuss this sampling, not only with him, but with Mr.D.J.Sollis, who as Master of the 'Forrest'in the Falklands, would be very well placed to have this work carried out for us. Subject of course to your approval, we believe Mr. Sollis would be happy to supervise it, and we therefore seek your consent, in the first instance.

If this proposal is approved, we have in mind a payment, no doubt through your office, of the order of  $\pounds 10$  per month,, to cover collection, outgoings and postage, and leaving we hope a surplus to provide some modest recompence to those carrying out the work.

In your reply, we would be grateful if you could also let us know the current price of fuel oil at Port Stanley, and its availability.

Yours faithfully A. H. STEWART Secretary

### 10011

Sampling of Giant Kelp (Macrocystis Pyrifera) from the Falkland Islands

- 1. Select a kelp bed in open water.
- 2. Each month take a sufficient number of kelp strands from this bed, cutting them below water level, to make 40 lbs. weight.
- 3. Take half the number of strands and without cutting them up soak them for an hour in a tub containing 10 to 20 gallons of fresh water.
- 4. Dry the two samples until brittle, i.e. to about 2 lbs. each.

The drying must be done in warm air not exceeding 180<sup>o</sup>F. The kelp must not be dried on a hot surface or exposed to an open flame. Possibly a rack could be arranged. A fan supplying hot air will be supplied.

- 5. Break up each of the two samples roughly and pack in polythene bags tightly tied at the neck. Mark the two samples with the date on which they were cut and 'washed' or unwashed' as the case may be.
- 6. Post by 2nd Class Air Mail to Alginate Industries Limited, Ladyburn Works, GIRVAN, Ayrshire, SCOTLAND.

It is apprecaited that deliveries may be irregular, but that does not matter providing the samples are taken regularly each month, and correctly marked with the date of cutting.

7. Continue this sampling each month until further orders.

Alginate Industries Limited

## •DAGOSUR S. A.

EXPORTACION - IMPORTACIÓN - REPRESENTACIÓNES

DIR. TELG.: "DAGOSUR"

GRAL. LUNA 1284 TELEFONO 20-98-19 MONTEVIDEO

October 9, 1967

Mr. H. L. Bound Assistant <sup>C</sup>olonial Secretary STANLEY - Falkland Islands

Dear Sir,

I thank you for your letter No. 0004 dated 28th September 1967 containing snatches of very illustrative information.

Due to your kindly help the industrial group which is interested in establishing a means of importing some of the varieties of seaweed from that zone will most certainly interview Captain Jones upon his next visit to Montevideo.

Once again, many thanks.

Yours faithfully,

filiam F.

wfm/h

106 may Riphy Rat we have no objectioni to her Sellie Carry out these experimits provided there it does not whether will or delay his duties as maske of m.v. Forrest "? Cl

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Dear Sir,

Thank you for your letter of 7th September, 1967.

100

I have no objection to you entering into a private agreement with Mr. Sollis who I an sure will assist you in every way possible. It is understood of course that the additional work would not be permitted to interfere with or delay his normal duties as Laster of m.v. 'Forrest'.

Fuel oil is currently available in Stanley at £17. 10. Od. per ton.

Yours faithfully,

H.L. Bound

for COLONIAL SECRETARY

Mr. A.H. Stewart, Alginate Industries Ltd., 22, Henrietta Street, LONDON W.C.2.

 $\mathbb{E}\mathbf{R}$ 

Copy to Harbour Master

mail

108

# ALGINATE INDUSTRIES

DIRECTICNS W.R. MERTON, Chairman, R. R. MERTON, Chairman, R. CAMPBELL-PRESTON, DE, M.C. DIRECTICA DIRECTI

> AHS/BC Your Ref: 0004.

W. H. Thompson Esq., The Colonial Secretary, Colonial Secretary's Office, Stanley, Falkland Islands.

22, HENRIETTA STREET, LONDON, W C.2



TELEPHONE OI-836 0451/4 OI-836 0142/3 TELEGRAMS "ALGINATES. LONDON.W C 2 "ALGINATES.LONDON.W C 2 BENTLEY'S SECOND PHRASE. TELEX: 23815

yes at 108.

10th October 1967.



Dear Mr. Thompson,

103

Many thanks for your letter of September 12th, in answer to mine 102A of July 10th addressed to Mr. Sugg at the Commonwealth Office.

No doubt you will now have received my letter to you of September 7th, and I shall look forward to your comments on it.

108

Yours sincerely,

A. H. STEWART Secretary

# ALGINATE INDUSTRIES

DIRECTORS W R.MERTON, Cheirmen. R.MERTON, Cheirmen. CAMPBELL-PRESTON, OBE,MC DIRECTOR A C W NORMAN, OBE R H.MCDOWELL D. L.BANKES. THE RT.HON THE VISCOUNT STUART OF FINDHORN, P.C.C.H.MVO,MC F L.G.GRIFFITH-JONES.

AHS/BC Your Ref: 0004

The Colonial Secretary, Colonial Secretary's Office, Stanley, Falkland Islands.

22, HENRIETTA STREET, LONDON, W.C.2



TELEPHONE 01-836 0451/4 01-836 0451/4 TELEGRAMS "ALGINATES, LONDON.W C 2" CABLES "ALGINATES, LONDON.W C 2" BENTLEY'S SECOND PHRASE. TELEX: 23815.

IIC

2nd November 1967. RETARY

at 111

Dear Sir,

Thank you for your letter of October 21st, and we are very much obliged to you for allowing us to make use of Mr. Sollis's services, which we are sure will be most useful to us.

108

Regarding the current price of fuel oil in Stanley, we understood from Mr. Sollis that the price of imported diesel oil is 6d per gallon, and we are thus surprised that fuel oil should be more expensive.

Perhaps you could let us have your comments on this point?

Yours sincerely,

A. H. STEWART Secretary

1/9 goe 12/17/7 tr +333 &

67

Dear Sir,

Thank you for your letter AHS/BC of 2nd November regarding the price of fuel oil. I confirm that imported diesel oil is currently available in Stanley at 1/9d per gallon or approximately £17. 10. Od. per ton.

110

Yours faithfully,

Sga. (H.L. Bound)

COLONIAL SECRETARY

Mr. A.H. Stewart, Alginate Industries, Ltd., 22, Henrietta Street, LONDON W.C.2.

ER

- States



Nessre. The Falkland Islands Co. Ltd. PORT STANDAY

Dear Sira:~

The have pleasure in enclosing herewith photoull static copy of letter received from Messra. Reifenbarg Corp. of New York, contents of which are self explanatory.

Regarding some, kindly advise us whether it is possible to obtain the Irish Hoss requested by these gentlemen, on the Islands.

Avaiting your news with interest, we remain,

Yours faitbfully, MACLEAN & STAFLEDON, S. A. wana

Encl. GAE/VD.

cc. Mesers. Reifenberg Corp., New York

Roply at 113

TELEPHONE WATKINS 9 4861

Cable Address: REIFBREW, NEW YORK A B C Code 5th Edition

IZIA

## REIFENBERG CORP. Machean

## **Brewers'** Supplies

205-209 WEST 19TH STREET

### NEW YORK 11, N.Y.

Dec-mber 8, 1967

Maclean & Stapledon S.A. Carilla de Correo 193 Montevideo, Uraguay

Gentlemen:

We are large importers of Irish Moss (Carragheen). It occured to us that Irish Moss may be grown and gathered on one of the islands which you serve.

We are interested in the Sunbleached and Unbleached varieties and would appreciate receiving your offer, stating price, quantity available, packing and how soon delivery could be made. We would also need a large representative sample of both varieties.

Credit and payment terms can be easily arranged through our New York banking connections.

Hoping to hear from you soon, we beg to remain,

Yours very truly,

REIFENBERG CORP.

monthe telenbero Ernest E. Reifenberg

LER: kmb

CS In Indand canagheen (of canigeen) 113 0004. "MATH is a mall edible feaweet Which grows just above lowett foring hill line. I have often prepared t caten it - it is man up like junket." Dear Sims, 112 Thank you for your latter of 24th December 1967 regarding the the supply of Irish wood (corregioen). I assure Moasre. 23/11/10

Relferences Corporation of or to a type of seaweed, but I unable to identify it by the new given. Is have large quantities of Giant Kele (Macrosystic pifera) and experiments represently being conducted with view to the connercial exploitation of this wood.  $26/\sqrt{}$ 

Ferhaps you will be odd enough to accertain from Mesors. Reifenberg Corporation the her this is the type of help they are interested in, otherwise place ask then to give the help they.

Yours faithfully,

(II. L. Bound), for <u>COLONIAL SPCR</u>

Hessrs. MecLean & Stepledon Casilla de Correo, 193, Montevideo, URUCUAY. 9

Seelly

0004



FUNDADA EN 1901 CASILLA DE CORREO 193 NEW BOE CODE WITH "Q" LIST COLON 1486-90 BENTLEY'S SECOND PHRASE CODE

DIRECCION TELEGRAFICA MACSTAPLE MONTEVIDEO TELEFONOS 97474/78 T. T. 27

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TELEX: 770 MACSTAP CX

CODIGOS

MONTEVIDEO (URUGUAY)

## 22nd. February, 1968

113

Colonial Secretary PORT STANLEY

Dear Sir:-

We have to acknowledge receipt of your letter dated 3rd instant, contents of which have our best attention.

20FEB 1968

In accordance with your wishes we are writing to Messrs. Reifenberg Corporation, asking for further details on the subject and immediately we receive their reply will revert.

Yours faithfully, MACLEAN & STAPLEDON, S. A. roamar

GAM/ vD.

5/3/68

DIRECTORS W R MERTON, Chairman R R.MERTON, Chairman R CAMPBELL:PRESTON, Directors OBE,MC, Directors A C W NORMAN, O B E R H.MCDOWELL O L. BANKES. THE RT HON THE VISCOUNT STUART OF FINDHORN, PC, CH, M.V.O, M.C.-F L G GRIFFITH - JONES.

RRM/ad

22, HENRIETTA STREET, LONDON, W.C.2

ALGINATE INDUSTRIES



TELEPHONE OI-836 0451/4 OI-836 0142/3 TELEGRAMS CALGINATES LONDON W C 2 ALGINATES, LONDON, W C 2 BENTLEY'S SECOND PHRASE TELEX: 23815

1st February, 1968.

Sir Cosmo Haskard, K.C.M.G., M.B.E., Governor of the Falkland Islands, Government House, Port Stanley, Falkland Islands, South Atlatic.

Dear Sir Cosmo,

I am writing you this short note of explanation of our recent activities in relation to samples of Falkland Island seaweed, so that you may have first hand information of our plans and intentions.

As manufacturers of alginates seaweed is our raw material, and apart from a small amount from South Africa our present supplies all come from Europe; and whereas we can see our way to meeting the requirements of our plant expansion for a number of years without going outside Europe, nevertheless we do foresee that perhaps within five or ten years we may need to open up new areas.

In these circumstances we are taking the necessary steps well in advance to obtain full information so as to enable us to compare the various alternatives from the point of view of cost of operation.

An all important factor in cost is the amount of alginate present in the seaweed, and this varies to some extent not only seasonally, but from year to year. It is for this reason that we have decided if possible to obtain regular samples from the more likely areas.

/You will see.....

Leply at 116.

115

Governor of the Falkland Islands.

1.4.

You will see, therefore, that although the Falkland Islands is included/it is not the only possible area, nor is there any likelihood that our weed requirements will justify us in taking any action for some years to come.

I hope that this gives you a useful picture of our position, and had the matter been a more urgent one I would, of course, have been in touch with you before.

Should the position change to any material degree, I will certainly keep you in touch, and you will doubtless appreciate that long term forecasts such as are involved in this case are extremely difficult to make, and can only be based on a precarious extrapolation of expansion achieved hitherto.

Our research chemists are, of course, intent upon discovering new uses for alginates, and new chemical derivatives, which might increase our markets. The kind of break-through which one is always hoping for could happen at any time, so that the position was transformed overnight. A further devaluation would, moreover, enable us greatly to extend our markets, two thirds of which are already in the export field. Even so I think it most unlikely that we shall require weed from outside Europe in less than say five years.

R. R. Merton Yours sincerely,

Ce for filing plan 7 March 1968 6,

Thank you very much for your letter of 1st February regarding your firm's interest in Falkland Islands seaweed.

It was very good of you to put me so fully in the picture regarding the possible demand for kelp from these Islands and I am only sorry that your conclusion is that it is unlikely that you would require seaweed from outside European waters in less than about five years.

Our preference here is of course for British firms to undertake any development of our natural resources which may be possible and I would therefore suggest that we continue to keep in touch with each other so that if, as I hope, the time comes when exploitation of our seaweed resources can take place, such activity may be in British hands.

15.

R.R. Merton Esq., Alginate Industries, 22 Henrietta Street. London W.C.2

May 1947.

COPY

### DRAFT OF HEADS OF AGREEMENT BETWEEN THE GOVERMEENT OF THE FALKLAND ISLANDS AND THE BRITISH AMERICAN KELP COMPANY LIMITED.

(Note: this agreement was never implemented).

Whereas it is proposed by the British American Kelp Company to establish a Weed Supply Base at Port Stanley, Falkland Islands, and whereas it is the opinion of the Government of the Falkland Islands, that such a project would be in the interests of the Colony, the following are agreed as a basis for co-operation:-

1. It is egreed on the part of the Government that the Company shall be granted exclusive rights for a period of twenty years to harvest seaweed over that part of the Falkland Islands lying south east of a straight line drawn between a point (A) having a latitude of 51° 32' S. and a longitude of 57° 41' W., and a point (B) having a latitude of 52° 06' S. and a longitude of 60° 11' W.

2. It is further agreed that the Company shall be granted an option, to be exercised within a period of five years, to extend the area defined in 1. above, so as to include that part of the coastline to the north of a straight line drawn between a point (C) having a latitude of 51 39' S. and a longitude of  $57^{\circ}$  43' W. and a point (D) having a latitude of  $51^{\circ}$  28' S. and a longitude of  $59^{\circ}$  07' W.

3. It is further agreed that the Company shall be granted an option, to be exercised on the expiry of the twenty year period referred to above, to take up exclusive weed harvesting rights for a further period of seventy nine years, making ninety nine years in all, over an area or areas to be selected by the Company from within the aforementioned areas, such area or areas to be commensurate with the proved requirements of the Company and to be agreed with the Government.

4. It is agreed on the part of the Company that with regard to the question of control of cutting, plans shall be based upon local experience of harvesting and shall be agreed with the Government, such plans to take particular cognisance of the fact that in certain instances weed beds are an aid to navigation.

5. It is further agreed that, in return for grant of a licence to harvest weed, no charge shall be made for the first period of five years but that the Compan shall pay a sum of one hundred pounds annually during the second period of five years and that thereafter revision shall be made at five yearly intervals, any increase in the sum requiring to be paid by the Company being limited to 50 per cent of the rate of the previous period.

6. It is further agreed that for the first ten years from the commencement of operations a royalty of two shillings and six pence per ton of dried milled weed shall be paid by the Company and that as from the expiry of that period royalty will continue to be assessed on a tonnage basis but will be re-examined at five yearly intervals and adjusted in the light of the circumstances of the market then obtaining.

### POWER

Whereas the requirements of the Company with regard to the supply of power are estimated in the first instance at 225K.W. (pilot stage) and in the second instance at 750 K.W. (unit stage),

7. It is agreed on the part of the Government to make available such requirements to meet the Company's programme of development on the basis that:-

8. It is egreed on the part of the Company to pay a charge per kilowatt of electricity consumed by the Company such as to include allowance for amortisation over a period of fifteen years of that proportion of the capital cost of the plant which shall have been installed to neet the Company's estimated requirements, together with interest on it to be charged at three per cent. it being clearly understood that installation of a reserve capacity to meet the case of breakdowns and overhaul is part and parcel of the Company's requirement for the purpose of calculation although not included in the figures given for the estimated requirements, and that it may be necessary during the pilot stage for the Company to accept a figure on which amortisation shall be based representing the total cost of the installation should it prove necessary to install a plant of capacity greater than the Company's estimated requirements, no part of the balance of which is made use of by the Colony.

9. It is further agreed that the charge per kilowatt to the Company shall be arrived at by adding the figure obtained as in paragraph 8 above for amortisation to the figure representing that proportion of the combined cost of insurance, fuel, operating costs and overheads, represented by the number of units consumed by the Company compared with the total number of units generated, the figure for overheads being accepted as ten per cent of the operating costs.

### HOUSING

Whereas the requirements of the Company with regard to housing are estimated in the first instance at one Manager's house, three staff houses and four mechanics' houses (pilot stage) and in the second instance at a further two houses for mechanics (unit stage),

10. It is agreed on the part of the Government to make available such requirements to meet the Company's programme of development on the basis that:-

11. It is agreed on the part of the Company to pay for such houses annual rents to include allowance for maintenance on the part of the landlord, such rents to be based upon a reasonable relation to the capital cost and in no case to exceed one hundred and twenty pounds per annum in the case of a Manager's house, one hundred pounds in the case of a staff house, and fifty to sixty pounds in the case of a mechanic's house.

### WATER

Whereas the requirements of the Company with regard to potable water are estimated at not more than three hundred gallons per hour in the first instance (pilot stage) and thereafter at increasing quantities,

12. It is agreed on the part of the Government to make available such requirements to meet the Company's programme of expansion on the basis that:-

13. It is agreed on the part of the Company to pay for such water a charge to be based upon the commercial rate prevailing in Stanley, always provided that, should the provision of such water involve the Government at a later stage in the defrayal of high capital expenditure the charge to the Company shall be based upon a reasonable relation to the capital expenditure involved.

#### LABOUR

Whereas the requirements of the Company with regard to Labour are estimated at forty eight men in all in the first instance (pilot stage) and at eighty to one hundred men in the second instance (unit stage),

14. It is agreed on the part of the Government to make available the requirements of the Company in the first instance (48 men) and thereafter to take all reasonable and practicable steps, having regard to the labour requirements of the Colony as a whole, to ensure provision to meet the Company's programme of expansion, such steps to include enlistment, through the influence of the Secretary of State, of the assistance of appropriate agencies and authorities, and also the provision of housing in Stanley, where necessary to prevent the Company's programme of expansion from being held up.

### JETTY

Whereas it may prove a requirement of the Company to extend the existing jetty at the Camber so as to enable bulk handling to take place,

15. It is agreed on the part of the Government to give sympathetic consideration to the question of urging His Majesty's Government and the Admiralty to participate with one another with regard to the extension of the existing jetty at the Camber, Stanley, should such prove advantageous to the conduct of the business of the Company, at a stage later than the pilot stage.

### PORT DUTIES AND MARBOUR DUES

Whereas it is a requirement of the Company to make use of the facilities of Stanley Port and Harbour,

16. It is agreed on the part of the Government to assure equality of treatment with other commercial undertakings with regard to both Port dues and Harbour rights.

## LOCAL PARTICIPATION IN THE CAPITAL OF THE COMPANY.

Whereas it may be the wish of the Government and certain of the local inhabitants of the Falkland Islands to participate in the capital and hence the profits of the Company,

17. It is agreed on the part of the Company that as and when the Company shall be formed into a Public Company, a portion of the share capital will be put aside for offer to the Government and the inhabitants of the Falkland Islands.

18. It is further agreed that should it be desired that local inhabitants should have the opportunity of participation in the capital of the Company whilst it still remains a Private Company, either directly or by means of participation in the first instance on the part of the Government on behalf of local inhabitants, the Company will give sympathetic consideration to any such scheme which may be put forward.

0004 Bu on file please lu 4c DIRECTORS TELEPHONE 22, HENRIETTA STREET, LONDON, W.C.2 W. R. MERTON, Chairman R. R. MERTON. 01-836 0451/4 01-836 0142/3 R CAMPBELL-PRESTON, Directors Managing TELEGRAMS C.W. NORMAN, O B E ALGINATES LONDON WC 2 H.MGDOWELL D. L. BANKES THE RT HON THE VISCOUNT STUART OF FINDHORN, P.C.,C.H., M.V.O., M.C. CABLES

F. L. G. GRIFFITH-JONES.

RRM/ad

"ALGINATES, LONDON, WC 2. BENTLEY'S SECOND PHRASE. TELEX: 23815

23rd May, 1968.

120

Dear Su Cosmo

Thank you very much for your letter of the 10th May in answer to my letter to you on the subject of some form of concession regarding the kelp around the Falkland Islands.

I fully appreciate what you say about the question of getting up a small pilot project, and that a delay of five or ten years seems a long time.

I should, nevertheless, be misleading you if I were to represent that we are anywhere near the stage of setting up even a pilot plant at the present time, although some such pilot project would undoubtedly precede any decision to go ahead with full scale operation.

12 JUN 1968

STANL



you & Dincerely Ralph Me, to,

Sir Cosmo Haskard, K.C.M.G., M.B.E., Governor of the Falkland Islands, Government House, Port Stanley, CRIMENT HOUS Falkland Islands.

Tel Quille & Amano 10 copulla

EXTRACT FROM MINUTES OF MEETING NO. 5/68 HELD ON 24th MAY 1968.

0004

## 13. ALGINATE INDUSTRIES LTD. (Nemo 24/68)

His Excellency referred to past efforts to establish a kelp industry in the Colony, particularly those of Alginate Industries Ltd., and its subsidiaries, who were again interested in the project. After discussion Council advised that the matter should be further studied at the next meeting of Council.

Council Clerk of

127



Stanley, 3 June 1968.-

The Honourable The Colonial Secretary, The Secretariat, Stanley.

Sir,

I beg to advise you that I will be signing on articles as Mate of the "Darwin" on about the 12th proximo and at the same time carry on my business as representative of Alginate Industries Limited in the Falkland Islands.

The Falkland Islands Company and Alginate Industries Limited have agreed and approved of the above combination of duties, which are compatible and logical under present circumstances and local conditions.

There is no relation whatsoever between that step and any intention Alginate Industries Limited may or may not have to consider setting up a seaweed collection centre in the Falkland Islands in the near or distant future.

I have the honour to be,

Sir,

Your obedient Servant,





123

0004

From:

# 4th July,

# 68.

To: Acting Superintendent Power

The Colonial Secretary

and Electrical,

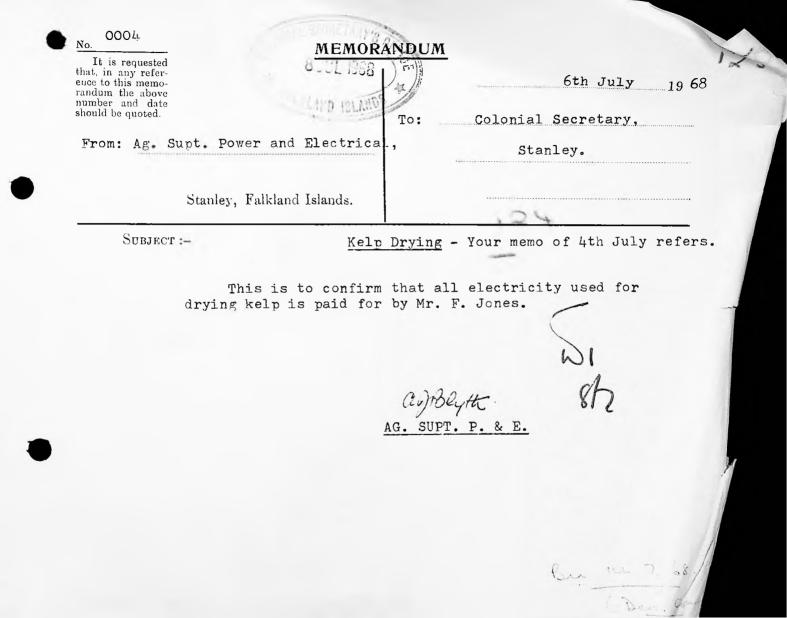
#### STANLEY.

## Kelp Drying apparatus

Please confirm that electricity is paid for and by whom.

(W. H. THOMPSON) COLONIAL SECRETARY

Bu 14.7.68 ( Dec. Com.)



126

C.S. for appropriate til please

Si alz

RESTRICTED

# 4 July, 1968.

121

Thank you for your letter of 23rd May which reached me on 12th June.

I am sorry that the chances of even a pilot kelp project seem so remote.

I think that the best course for the present time is to leave the matter open, while noting that you are interested in applying for some form of tentative concession for the right to work all the kelp around the Falkland Islands, preferably upon an exclusive basis.

You are already aware that in the Colony there would undoubtedly be a preference for a British firm to undertake this exploitation of kelp. Nevertheless, should a foreign firm show serious intentions of wishing to undertake such exploitation, we could not easily disregard an approach.

As with my last letter, I am sending a copy of this to Mr. Sugg at the Commonwealth Office so that he should be aware of the position.

M

R. R. Merton, Esq., Alginate Industries Ltd., 22, Henrietta Street, Londong W.C.2.

Copy: RxRxxMerrinx A. St.J. Sugg Esq., C.M.G.

RESTRICTED

EXTRACT FROM MINUTES OF MEETING NO 6/68 OF EXECUTIVE COUNCIL HELD ON 19th and 22nd JULY 1968.

0004

6. ALGINATE INDUSTRIES LIMITED (Homo 24/68)

The Colonial Secretary outlined the present position regarding exploitation of kelp in the Colony. Copies of a letter from Alginate Industries Limited to His Excellency the Governor dated 23rd May 1968 together with his reply dated 4th July 1968 were read out. These indicated that there was little prospect of an alginate industry being established here in the near future.

Ag. Clerk of uncils C

127

# EXTRACT FROM MINUTES OF A MEETING OF THE DEVELOPMENT COMPITTEE HELD ON 25TH JULY 1968.

(b) <u>Kelp</u> - The position regarding the kelp industry was noted. It was advised that experts on kelp be contacted and the following questions put to them:

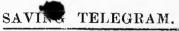
(i) What is the value of kelp as a fertiliser? What type of plants respond to it?

(ii) Is it of any value as food for animals?

(iii) Could it be used in any grasslands improvement scheme?

Bu 4. 9. 68-

F. I. ref: SECTEC. ref:



and the second second

From: The Officer Administering the Government of the Falkland Islands.

To:		Fechnical Co-operation.	MINISTRY	0F	OVERSEAS	DEVELOPHENT
Date: No.	5th September, SAVING.	1968.				
140.	43	COTONX				

I shall be obliged if your advisors could be asked to provide answers to the following questions and perhaps to refer us to appropriate publications.

- (i) What is the value of kelp (seaweed) as a fortilizer and what type of plants respond to it?
- (ii) Is it of any value as food for animals and, if so, how should it be prepared?
- (iii) Could it be used in any grasslands improvement scheme?

#### GOV RNOR

134

R.M.S. DARVIN,

Stanley. 7th. Nov. 1968.-

The Honourable The Colonial Secretary, Stanley.

Sir,

Yesterday I received the following telegram from Alginate Industries Limited:-

LONDON F JONES RMS DARWIN YOUR LETTER 21/10/68 RECEIVED STOP FORTHCOLING VISITOR PERSONALLY KNOWN TO ME SO HAVE SENT COPIES OF CORRESPONDENCE REFERRED TO DIRECT TO HIM STOP HAVE IMFORMED HIM THAT YOU REPRESENT US AND WILL CIVE EVERY ASSIST-ANCE, STOP LETTER FOLLOWS MERTON

The forthcoming visitor is, of course, Lord Chalfont.

Unfortunately, it appears that I will not be in Stanley at the time of the visit, thus I request you to be kind enough to explain that, in case of necessity.

At the same time I request you most courteously to recall the recent exchange of letters between the Falkland Islands Government and Alginate Industries Limited and, likewise, to H. E. The Governmor.

I have the honour to be,

Sir,

Your obedient Servant,

bredin formen .

3004

1/12

13th November,

68

Dear Mr Jones,

Thank you for your letter of the 7th November concerning a telegram from Alginate Industries Limited.

134

I have shown this to His Excellency the Governor and should Lord Chalfont raise the matter, or have time, you may rest assured that we will do our best.

Yours sincerely,

(W.H. THOMPSON) COLONIAL STCRETARY

F. Jones, Esq., Mate, <u>R.M.S. "Darwin"</u>.

DECODE.

# TELEGRAM.

From MAS	From MASTER DARWIN			
To CU	LONIAL SECRETARY,	STANLEY	= +112	
Despatched :	3rd December,	19 68	Time :	
Received :	3rd December,	<i>19</i> 68	Time :	

136

Telex today received Macstaple addressed Jones Darwin beginstext of press release today follows. Please convey to Falklands with all speed.

It is recently been reported that the Falkland Islands have no economic potential far from being islands without a future they represent to the Alginate Industry of Great Britain possibly the worlds largest untapped source of raw material which could provide a twelve fold increase in these islands gross annual income.

It is recently estimated that the present annual world production of alginates is around fifteen thousand tons worth £10 million derived from some half a million tons of wet seaweed supplied by countries principally in the northern hemisphere.

Within a very few years these sources will have been developed to their maximum capacity and alginate manufacturers will have to turn to the southern hemisphere for their supplies. The only British source will be the Falkland Islands.

Alginate Industries Limited has carried out an extansive survey of the seaweed resources with easy reach of Port Stanley and has discovered a vast area of seaweed growth capable of providing the raw material requirements for the present total world alginate production.

Chemical analysis of recent samples supplied by our representative in the Falkland Islands confirms our earlier estimates of the amount of alginate present in the seaweed. It is unlikely that there is so favourable a source anywhere else in the world.

It is for this reason that Alginate Industries Limited is basing its plans upon a factory at Port Stanley as soon as present supply sources prove inadequate which at the present rate of expansion is likely to be within the next five years. This plant would be capable of producing and exporting seaweed to the value of al least £12 million per annum sufficient to supply future world alginate production worth some £100 million per annum, as it gives the prospect of a vast increase in export value, without importing additional labour, this industry is ideally suited to the Falkland. Unlike the present European sources where the collection of seaweed is almost entirely manual. DECODE.

.....

# TELEGRAM.

From		
То		
Despatched :	19	Time :
Received :	19	Time :

## Page 2.

the nature of the Falkland seaweed makes it possible to harvest mechanically, using methods long established on the Pacific Coast of North America and the subsequent drying and milling for shipment to Britain would be fully automated the spectacular growth of the Alginate Industry since the war shows no sign of decreasing. Alginate Industries Limited is the worlds second largest Alginate manufacturer producing approximately a quarter of the worlds output and regularly exports two thirds of its production.

If we could be assured of the Falklands source of raw material Britain would stand to capture the major share 90 percent of which would be re exported of the future estimate of £100 million world production. Ends

P/L : AA Intld H.L.B. DECODE.

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# TELEGRAM.

From RALPH MERTON

To\_\_\_SIR COSMO HASKARD, STANLEY

Despatched :	5th December,	19 68	Time : 1650
Received :	5th December,	<i>19</i> 68	Time : 1450

Herewith text of letter from Mister Ralph Merton. Original being mailed today.

Dear Sir Cosmo,

You will doubtless have heard that our interest in Falkland Island seaweed is now common knowledge and I am enclosing a copy of our actual statement released to the press. We have in fact made considerable progress since I last wrote to you both as a result of the anlyses of seaweed collected and sent to us monthly from the Falkland Islands (garticularly over the last few weeks) and also in the rate of growth of our Industry as already achieved in 1968 and recently fore-cast for 1969. You will see therefore from our statement that we now definitely plan to make a start within the next five years and in these circumstances I should like to ask you to return to the question of <u>granting</u> us some form of concession. The next step will be to arrange for much larger samples to be provided for our Chemical Departments during 1969 and we shall have to make a start on the engineering side in the near future. If all goes well we may even have a pilot plant in operation in considerably less than five years provided we can be assured of the islands future but I will keep you informed regarding our progress. In view of the new state of affairs our correspondence need no longer be confidential.

Yours sincerely

Ralph Merton.

Reperg at 139.

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P/L : AA COPY TO H.E. 138

Decode.

# TELEGRAM SENT.

From GOVERNOR to SECRETARY OF STATE

Despatched: 5/12/68 Time: 2000 Received:

138

MERTON ALGINATES LONDONWC2

Many thanks your letter telegraphed yesterday we look forward receiving your detailed proposals for study. Pilot project within year or two would be very encouraging.

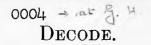
Haskard

P/L : SJS

Time

91

39



TELEGRAM.

From CENTROFORM

PRESS GOVERNOR STANLEY  $T_{\theta}$ 

Despatched :	5th December,	<i>19</i> 68	<i>Time</i> : 1850
Received :	5th Decomber,	<i>19</i> 68	<i>Time</i> : 1630

Retract 95505 Commons Thursday 5 December Sir George Sinclair asked the Minister of Overseas Development what examination he had made of the economic potential of an Alginate Industry in the Falkland Islands Mr. A.E. Oram in a written reply "I have received no request from the Government of the Falkland Islands for such an examination to be made".

CENTROFORM

P/L : AA

Bu 20.12.68.

140

66 SI. 7/12 M2

EXTRACT FROM MINUTES OF MEETING OF EXECUTIVE COUNCIL NO 13/68

HELD ON 11TH DECEMBER 1968.

0004

## 5. <u>ALGINATE INDUSTRIES</u>

Council noted that Alginate Industries appeared to be taking renewed interest in the Falkland Islands.

Correspondence between the Governor and Mr Merton was discussed and Council noted that Mr Merton had already been invited to provide details of his proposals for the future.

Clerk of Council

STANLE MULTI-MILLION POUND BRITISH INDUSTRY FOR FALKLAND ISLANDS

NOON ON MONDAY

143

Statement made by Mr. Ralph Merton, Managing Director of Alginate Industries Limited, at a Press Conference in the Connaught Rooms, on Monday, December 2nd, 1968 at 11.30 a.m.

DFC 1968

"It has recently been reported that the Falkland Islands have no economic potential. Far from being Islands without a future, they represent to the alginate industry of Great Britain possibly the world's largest untapped source of raw material which could provide a 12-fold increase in the Islands' gross annual income.".

"It is estimated that the present annual world production of alginates is around 15,000 (fifteen thousand) tons worth £10 million, derived from some half a million tons of wet seaweed, supplied by countries principally in the Northern Hemisphere. Within a very few years these sources will have been developed to their maximum capacity and alginate manufacturers will have to turn to the Southern Hemisphere for their supplies - the only British source will be the Falkland Islands.".

"Alginate Industries Limited has carried out an extensive survey of the seaweed resources within easy reach of Port Stanley and has discovered a vast area of seaweed growth, capable of providing ten times the raw material requirements for the present total world alginate production.".

"Chemical analysis of recent samples supplied by our representative in the Falkland Islands confirms our earlier estimates of the amount of alginate present in the seaweed. It is unlikely that there is so favourable a source anywhere else in the world.".

"It is for this reason that Alginate Industries Limited is basing its plans upon a factory at Port Stanley as soon as present supply sources prove inadequate which, at the present rate of expansion, is likely to be within the next five years. This plant would be capable of producing and exporting seaweed to the value of at least £12 million per annum - sufficient to supply future world alginate production worth some £100 million per annum. As it gives the prospect of a vast increase in export value, without importing additional labour, this industry is ideally suited to the continued/..... Falklands.".

"Unlike the present European sources, where the collection of seaweed is almost entirely manual, the nature of the Falkland seaweed makes it possible to harvest mechanically, using methods long-established on the Pacific coast of North America, and the subsequent drying and milling for shipment to Britain would be fully automated.".

"The spectacular growth of the alginate industry since the War shows no sign of decreasing. Alginate Industries Limited is the world's second largest alginate manufacturer producing approximately a quarter of the world's output and regularly exports two-thirds of its production.".

"If we could be assured of the Falklands' source of raw material, Britain would stand to capture the major share (90% of which would be re-exported) of the future estimated £100 million world production.".

\* \* \* \*

With the Compliments of

ALGINATE INDUSTRIES LIMITED - London -

1 . F. \* \*

and

WHITTAKER HUNT LIMITED, 3 Clifford Street, London, W.1. Tel: REGent 4274/6.

#### BACKGROUND NOTES

Alginates are an important group of chemicals which are extracted from seaweed and the following are a few of the more important applications:-

<u>TEXTILES</u> - for thickening the dye solutions applied to cloth for printing dress materials, curtains, etc.

FOOD INDUSTRY

- a permitted food additive, to improve texture and stabilise properties of ice cream, ice lollies, cakes, meat pies, salad dressings, soft drinks, beer, dog food, cheese, jellies, synthetic cream, tomato sauce, powdered soups, etc.

## PHARMACEUTICAL (Dental)

- the most important ingredient of the impression material used every day by dentists.
- PAPER in surface coatings to improve printing properties.
- PHOTOGRAPHIC films, paper, hardener, developer, etc.
- ALGINATE FIBRES medical dressings and hosiery manufacture.
- GENERAL there is a wide variety of other uses which include:lens grinding, penicillin, barrier creams, carpet backing, water colour paints, welding electrodes, toothpaste, television magnets, motor tyres, ceramics, etc.

\*\*\*\*\*\*\* With the Compliments of

> ALGINATE INDUSTRIES LIMITED - London -

and

WHITTAKER HUNT LIMITED, 3 Clifford Street, London, W.1. Tel: REGent 4274/6.

C.S. 145 for inclusion in an Exco memo please las 19/12 22. HENRIETTA STREET, LONDON, W.C.2. TELEPHONE: MERTON, Chairman. TEMPLE BAR 0451/4. MERTON AMPBELL-PRESTON, Managing Directors 0142/3. O.B.E., M.C. / NORMAN, O.B.E. TELEGRAMS: C McDOWELL. BANKES. THE RT. HON. THE VISCOUNT STUART OF FINDHORN, P.C., C.H., M.V.O., M.C. F. L. G. GRIFFITH-JONES. W.C.2'' BENTLEY'S SECOND PHRASE TELEX: 23815. 10th December, 1968. RRM/ad

Loped 20 : Wow. Mens King Wow. Men. Clammed Man. Men. Hills . Sir Cosmo Haskard, K.C.M.G., M.B.E., Governor of the Falkland Islands, Government House, Port Stanley, Falkland Islands, <u>South Atlantic</u>.



Dear Sir Cosmo,

I enclose a copy of a letter which we have written to Mr. Wilson, the Permanent Secretary at the Ministry of Overseas Development, from which you will see that we are asking for financial assistance in view of the recent political development.

I have now received your telegram from which I note that with regard to our application for some form of concession you await our detailed proposals. These are in the course of preparation, and it is clear that the first step will be to send a representative to Port Stanley.

We understand that if possible it would be an advantage for this visit to coincide with the meeting of the Executive and Legislative Councils, which we understand will be held in late April or in May, in which case suitable dates might be to arrive on the 21st April and leave on the 2nd May, or alternatively arrive on the 12th May and leave on the 30th May.

We should, of course, expect him not only to plan the engineering side of the project, including location, plant, services, etc., but also to negotiate royalty or other payments representing the contribution towards the Islands' economy which we would expect to make.



THE OWNERS AWARD TO MEUSI

/We consider.....

10th December, 1968.

5 .. .....

Sir Cosmo Haskard.

We consider that my joint Managing Director's second-incommand would be the right person to visit Port Stanley. His name is Michael Pery, and besides being a qualified engineer, he has had considerable experience as an industrial consultant.

All being well we would hope to follow up this visit with the erection of a pilot plant during the course of 1970, with a view to establishing the first stage of an operating plant in 1971. This would be in production the following year.

All these plans are, of course, entirely dependent upon satisfactory assurances regarding the future of the Islands.

Yours sincerely, O ble

R. R. Mexton

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-2-

5th December, 1969.

G. M. Vileon Egg., C.B., C.M.G., Permanent Sourchary, Maintary of Averages Dovelopment, Elevel House, Stag Place, Victoria, London S.V.1.

#### Dear Mr. Wilson,

RUI ad

Ney I roler you to my letter of the 14th March to the late Sir Andrew Cohen, in which I drew his attention to cur interest in the second resources of the Falkhand Islands, and may I ask you to consider it in the light of present developments and the enclosed copy of my letter of yesterday's date to the Governor of the Falkland Islands.

You will soo that we now definitely plan to establish a factory at Port Stanloy, always provided we can be assured of the Islands' future.

But whereas we were proposing curselves to provide the whole of the accessary funds, we now feel that an element of political risk outside our control has been introduced, and that it would be appropriate for Government funds to be rade available in a memor similar to that in which investment grants are made available in the Development Areas of the United Kingdom, but, of course, on a considerably more generous scale, economous with the risk involved.

## G. M. Wilson Esq., C.B., C.M.G.

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#### 5th December, 1968.

I shall be most grateful if you will give this matter your careful consideration, and I shall look forward to hearing from you in dae course.

Yours sincerely,

R. R. Merton



DIRECTORS

ALGINATE INDUSTRIES

TELEPHONE 22, HENRIETTA STREET, LONDON, W.C.2 W R MERTON, Chairman R. R MERTON 01-836 0451/4 R CAMPBELL PRESTON, OBE, MC 01-836 0142/3 TELEGRAMS ALGINATES. A C.W. NORMAN, O BE LONDON.WC 2 D. L. BANKES. THE RT. HON. THE VISCOUNT STUART OF FINDHORN, R.C.,C.H.,M.V.O.,M.C. F. L. G. GRIFFITH JONES. CABLES "ALGINATES, LONDON, W C 2" BENTLEY'S SECOND PHRASE. TELEX: 23815. HIAL SECRETARY AHS/BC/JOC 12th December 1968. 4 JAN 1969 W.H. Thompson, Esq., The Colonial Secretary, Port Stanley, FALKLAND ISLANDS

Dear Mr. Thompson,

In the event that we are able to proceed to the pilot plant stage of our project, it would be most useful to know if any of the equipment of the Falkland Islands Freezing Co. at Ajax Bay could be utilised for our purposes.

Would it be possible for us to have a list of the machinery and equipment available, and some idea of its present condition?

Yours sincerely,

A.H. STEWAR Secretary

at 3

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# EXTRACT FROM MINUTES OF EXECUTIVE COUNCIL MEETING NO 14/63 HELD ON 30th DECEMBER 1968.

0004

## 20. KELP OPERATIONS (Memo 72/68)

145

The Colonial Secretary summarised the position as outlined in Executive Council memorandum 72/68 and read Mr Merton's letter of the 10th December 1968 addressed to the Governor with Mr Merton's letter of 5th December addressed to Mr G.M. Wilson, the Permanent Secretary of the Ministry of Overseas Pevelopment. HATEHA

Council noted the position and advised that copies of these letters and memorandum 72/68 be made available to the three members of Legislative Council represented on Executive Council.

Clerk Council

CS /n / le 0004 D' J January, 1969.

Arising out of our conversation about Kelp on 7th January, I enclose a copy of the draft heads of agreement dated May 1947 between the Kelp Company and this Government. The agreement was never implemented, as the Kelp Company abandoned the project, the estimated cost of production being too high.

I also enclose copies of two letters written by Mr R.S. Merton on 5th and 10th December last to Wilson of the Ministry of Overseas Development and to myself. I have not yet heard what reply Merton received from the Ministry.

Incidentally, Merton ended a telegram to me dated 5th December with the words "In view of the new state of affairs our correspondence need no longer be confidential", so I do not imagine that he would object to his letters being seen by other people.

M.C. Waldron, Esq.,

	G O V E R N M E N T	T E L E G R A P H	SERVICE	1 50
2538 P4776/32/4013 Number	81 500 11/66 R. Ward 843 Office of Origin	Words	Handed in at	Date
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		Haskar	d Governor	PR
ne				

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From world Fishing - November 1968

151

THE VAST POTENTIAL OF KELP

Various species of kelp grow in all non-tropical areas. Most species are very small and grow only in the shallow tidal waters, which renders harvesting difficult and costly. In spite of this, kelp has been harvested for centuries in almost every sea-bordering country of the world. Its usefulness as a source of findine and potassium is well known. In US north-castern states it is used in the manufacture of carrageen and agar-agar. In Japan it has been grown and harvested for food since 1918. However, the most valuable species is the giant kelp Macrocystis pyrifera which grows along the coast of Southern California.

Kelp is among the most diverse and flexible of all living organisms. It is a survivor of the last ice age, and reached N. America via a cold water bridge that once separated our bemispheres. The icy waters of the Antarctic are sometimes referred to as the Macrocystis Sea because of the abundance of giant kelp.

Unlike smaller species, it grows in deeper waters beyond the breaker line where ocean currents provide a continuous supply of food.

#### GRO TH RATE.

Kelp plants have no true roots but must rely on a root-like structure called a holdfast to anchor themselves to the bottom. Unlike land plants, they absorb nourishment, not through their roots, but through all their surfaces. Taking energy from the sun and nourishment directly from the sea, they can grow between nineteen inches to two feet in a single day. Sometimes they attain lengths in excess of 200 feet in their struggle to reach the sunlit surface. They are sustained vertically by a series of air-filled bulbs that act as floats. When they reach the surface they spread out into a canopy that often occupies an area of three or four square miles.

Like all other plants, kelp contains chlorophyll for the conversion of carbon dioxide and water into carbohydrates and oxygen. Kelp also contains minerals, trace minerals, enzymes, co-enzymes, vitamins, growth hormones and all the other known elements vital to the life and growth process. It also contains bacteriostatic agents that can kill germs without giving rise to side effects or allergies. It can soothe, heal and neutralize the effects of many toxins as well. Thus kelp would seem to open new vistas to the medical profession. Meanwhile the most valuable product of kelp is algin, a colloidal substance which can absorb large quantities of water and has more than 100 uses ranging from ice cream to synthetic rubber and drugs.

The San Diego company, Kelco and its single competitor, the Phillip R. Park Company of Long Beach, California, harvest every kelp bed on the California coast at least two or three times every year. The kelp beds are owned by the state and are harvested under strict regulations imposed by the California State Fish and Game Commission.

.../ In

In either case, only the topmost four feet of the plants may be harvested, but this does not deplete the crop, it actually enhances it. Cutting the top four feet allows life-giving sunlight to penetrate down to the younger plants below. Furthermore at their rapid rate of growth, the plants soon regenerate and the bed is ready for another harvesting in just a few weeks.

Giant kelp is unique among living things in that each adult plant produces up to a million spores every day. These spores begin life as free floating organisms and if they do not settle on some firm bottom object within 24 hours, they perish. Those that survive germinate and grow rapidly into tiny filament-like plants. These tiny plants lead a full life-cycle of their own.

Eggs produced by the female plants are fertilized by free-swimming sperms from the male plants and once fertilized the plants grow with incredible speed. In just six months they are 10-15 feet high. In just a few weeks more, they will have reached the surface and be ready for harvesting. Some species do not require sunlight for photosynthesis but manage to live off dissolved matter in the water. Others need not be anchored to survive but can thrive and proliferate while floating freely in the sea.

Whether floating or anchored, the giant kelp beds are to the sea what the forests are to the land. The kelp forest provides food, shelter and roosting area for many species of aquatic life. Various anemones, crustaceans, molluses and echinoderms as well as some mid-water animals are attracted by the shade provided by the kelp. In the tendril-like tangle of a typical holdfast dwells an enormous population of microscopic creatures. It is a virtual hatchery for many prized species of shellfish such as abalone, scallops and oysters. These motile creatures may filter feed directly from the water as the kelp itself does. They may be hybivorous and graze on the kelp or they may be carnivorous and feed upon the smaller organisms. The point is that the entire assemblage provides an excellent food source and phychological point of orientation for swarms of larger carnivorous fish. Consequently the value of the typical kelp bed is greatly enhanced by the animal colony it nurtures.

It has been estimated that, whereas the kelp beds of Southern California are worth about 35 million a year to the kelp harvesting industry, they are worth another 35million to the abalone and lobster fisheries and another 350 million to the sport fishing industry. Thus they constitute a resource worth about 360 million to the US ecomony.

The kelp forests face numerous hazards; unusually warm weather can wipe out an entire bed in a single summer and sewage outflows have wiped out entire beds of kelp together with all the dependent aquatic life.

Probably the worst hazard of all is the sea urchin, which can cut through the main stem of the kelp and sever the entire top of the plant. Thus perhaps two or three hundred pounds of plant is lost while only an ounce or so actually feeds the urchin. In a few months an army of urchins, estimated to be ten million strong, wiped out an entire bed measuring over six square miles off Point Loma, California.

Quicklime will effectively kill these aquatic pests and both the Kelco Company and the Phillip R. Park company regularly send divers down to check for sea urchins. If they are in evidence, the kelp beds are quicklimed at the same time they are harvested.

Giant kelp can easily be transplanted by cutting the stem, towing the plant to its new location and anchoring it to a suitable bottom with a piece of rope. By using these two culture techniques - quick lime pesticides and transplanting - Dr. North successfully restored over four square miles of kelp forest off the coast of San Diego for less than \$100 thousand. Considering such kelp beds are worth about  $$1\frac{1}{2}$  million per square mile to the economy, that is not a bad return on investment and it is probably the first step toward the future cultivation of kelp on a large scale.

#### KELP CULTURE

Because of the unique and hardy characteristics of kelp, Dr. North believes that it is only a matter of time before giant kelp will be cultured worldwide. His optimism stems from his recent success in growing young kelp in what he calls a rope aquarium. This is a wooden box measuring about  $4 \times 4 \times 6$  feet through which fresh sea water is circulated. Wooden frames that have been wound with a hundred yards or so of thin rope are placed side-by-side in the box together with the spore-producing fronds of adult kelp plants.

After the critical 24-hour free-floating period the tiny spores settle on the ropes and begin to mature. Artificial light illuminates the interior of the aquarium so that photosynthesis can take place 24 hours a day. As a result, the plants grow twice as fast as they normally would in the open sea. When they are sufficiently matured, the racks are carried to the desired site. The seedlings are planted simply by unravelling the ropes and anchoring them to the bottom. Or the ropes can simply be set adrift in the open sea. Growing up to two feet a day, the plants from a single frame will soon blossom into gigantic floating kelp beds measuring up to five square miles in area.

Although the idea of planting the continental shelves with kelp holds great promise, especially for poorer countries, the idea of planting the open sea with floating kelp paddies is even more promising.

In Indonesia, fishermen make huge rafts of palm fonds and set them adrift in the sea. After a few weeks, they harvest the rafts for the many fishes that take up residence amidst the leaves. In a similar way, juvenile kelp paddies could be planted in the cold waters around Alaska and allowed to drift southward with the currents. By the time they reach the lower latitudes of California, the kelp will have grown into an immense paddy many square miles in area and will have attracted thousands of tons of edible fish. Thus each paddy will yield a double harvest of both kelp and animal protein.

69.

Dear Mr Stewart,

Thank you for your letter of the 12th December 1968 which has only just reached me.

I imagine that some of the equipment at Ajax Bay might well be useful to you in the pilot plant stage of your project to exploit Kelp.

Unfortunately much has been sold and much has deteriorated since Ajax Bay closed down and we no longer have any lists or inventories available. Generally speaking the remaining machinery and equipment is in good condition but most of it is large and out dated.

I suggest that when Mr Pery visits us he should go out to Ajax Bay and have a look for himself. Naturally we will do all we can to help and to arrange the necessary ship or aircraft to take him there.

I am sorry to be so vague but the only answer is a visit by a person who knows what to look for.

Yours sincerely,

(W.H. THOMPSON) COLONIAL SECRETARY

Mr A.H. Stewart, Alginate Industries Ltd., 22, Henrietta Street, LONDON, W.C.2.

RRB.

By 21. 1.69. (repigto 2 & main fice)

0004

14 January 1969.

152

Thank you for your letter of 10th December, enclosing a copy of your letter of 5th December to Mr Wilson of the Ministry of Overseas Development.

I am naturally very glad to know that you intend to arrange a visit by Mr Pery to the Falkland Islands. Of the two periods you mention, I think that 21st April to 2nd May would be preferable. All Council members are likely to be in Stanley for a pre-budget meeting which is expected to last from 22nd to 26th April and this would be a good opportunity for Mr Pery to make their acquaintance.

Juring the period 12th to 30th May there will be a meeting of Legislative Council but members would naturally prefer to have learnt at first hand about your firm's intentions when the pre-badget discussions are in progress in April.

I note that your representative would hope not only to plan the engineering side of the project but also to negotiate royalty or other payments representing the contribution towards the Colony's economy which your firm would expect to make.

In order that full benefit may be obtained from Mr Pery's visit, you may consider it worth while sending in advance a list of points which you think might deserve study here prior to Mr Pery's arrival.

Your final sentence about assurances regarding the future of the Colony is well understood.

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LA.

R.R. Merton, Esq., Alginate Industries Ltd., 22, Henrietta Street, London, W.C.2.

Cs. Please have hirs little copies to all members of Exco + heg Co.

11 January, 1969.

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153

Would you please refer to FCO telegram 268 of 5th December 1968 and my reply in our telegram 250 of 6th December.

I now enclose, for your information, a copy of a letter written by me on 14th January to Mr R.R. Merton of Alginate Industries. I also enclose copies of Mr Merton's letter to me dated 10th December and of his letter to Mr G.M. Wilson of 5th December.

la

A. St.J. Sugg, Esq., C. M. G.



154

R.H.S. "D.R.H.", Stanley. 16.1.69.-

The Honourable The Colonial Secretaty, Stanley. -

Sir,

Aljinate Industries Limited have instructed me to try to rent a small room, for use as an office, in Stanley inmediately, for a short period of time.

as far as possible, the following is required:-

a small room, electric or peat heating, a telephone, a table, two chairs, running water and drainage, electric light, use of a bathroom.

Lay I suggest that perhaps the ex office of the ex Grasslands Officer would fit well?

If you consider this application favourably, please be kind enough to let me have terms and conditions.

This request does not mean that alginate Industries Limited have decided, necessarily, to work on a connercial scale in the Feltland Islands.

I have the honour to be,

sir,

Your obe ient perv.nt,

No. (It is requested the provide the any referthe above Number and the date may

be quoted.)

COLONIAL SECRETARY'S OFFICE,

STANLEY, FALKLAND ISLANDS.

Denzy Hennez,

You might like to know that we have heard from Lundon that the Ministry of Oversees Development has referred Algiants Industries Itd., to the Construct the Pevelopment Corporation is its sourch for financial backing for Solp emploivation.

The Componentth Sevelopent Corporation is the body scally associating itself with component and gamesummercial moves of the sature covinaged. It is the successor of the Colonial Sevelopent Conditions which me accounted with Ajam New.

Fours faithfully.

(S.H. THOMPSON) OCHONIAL STUDERTARY

> 24. 1. 69 . main file)

To all Members of Ex. Co. & Leg. Co.

# ALGINATE INDUSTRIES

DIRECTORS W.R. MERTON, Chairman R. R.MERTON | Managing | Directors CAMPBELL-PRESTON, OBE, M.C

C W NORMAN, O B E D L. BANKES. THE RT. HON THE VISCOUNT STUART OF FINDHORN, PC,C.H.,MVO,M.C F. L. G. GRIFFITH-JONES.

22, HENRIETTA STREET, LONDON, W.C.2



01-836 0451/4 01-836 0142/3 TELEGRAMS ALGINATES. LONDON WC2 CABLES "ALGINATES, LONDON, WC 2. BENTLEY'S SECOND PHRASE TELEX 23815

157

TELEPHONE

RRM/ad

30th December, 1968.

16/1/64

Dear Si Castro,

Further to my letter to you of the 10th December, I now enclose a copy of the reply I have received from the Ministry of Overseas Development.

I also enclose a copy of my reply to Mr. King.

yous freeze

Sir Cosmo Haskard, K.C.M.G., M.B.E., Governor of the Falkland Islands, Government House, Port Stanley, Falkland Islands, South Atlantic.





16/1/69

30th December, 1968.

R.B.M. Ming Esq., M.C., Ministry of Overseas Development, Eland Heuse, Stag Place, London S.W.1.

Dear Mr. King,

RMM/ad

Thank you for your letter of the 24th December with reference to my letter of the 5th Docember to Mr. G. M. Vilson.

I have indeed read the various statements made in both Houses of Parliament regarding the Government's policy with respect to the sovereignty over the Falkland Islands, but I am afraid my Company has only been reassured as to the Islands' immediate political future.

You will appreciate that the development of the seaweed resources of the Falklands involves a very considerable investment only justifiable on the basis of reassurance regarding the long term political future of the Islands which the Government has not been able to provide.

Unless and until the long term political future of the Islands can be guaranteed, or alternatively the Government is itself prepared to demonstrate its own faith in the future of the Islands, the potentially very valuable seaweed resources of the Islands are most likely to remain untapped.

You state in your letter that you cannot provide investment grants similar to those made in development areas of the United Kingdom. I appreciate that your Ministry may not be in a position to do so without reference to higher authority, but am I to understand that this matter has been referred to the very highest authority, and been turned down? I shall be grateful if you will clarify this point.

/We believe.....

Ministry of Overseas Development.

30th December, 1968.

No believe that there is a majority in both Houses in favour of giving assistance in the form suggested to enable us to develop the seaweed resources of the Falkland Islands, and in these circumstances we do not feel that it would be right for us to take no for an answer.

Yours sincerely,

R. R. Merton

P.S. I enclose a copy of a letter dated the 10th December to the Governor of the Falkland Islands, the last paragraph of which makes our position quite clear.



MINISTRY OF OVERSEAS DEVELOPMENT ELAND HOUSE. STAG PLACE LONDON S.W.1 TELEPHONE VICTORIA 2377

16/169

CLA 278/60/01

24th December, 1968.

Dear Ar Mentin

Would you please refer to your letter to Mr. G. M. Wilson of the 5th December about the seaweed resources of the Falkland Islands, which he acknowledged in his letter of the 11th December.

Since you wrote you will no doubt have read the Foreign and Commonwealth Secretary's statements in the House of Commons on the llth and l2th December in which he made it clear that it was not H.M.G.'s policy to transfer sovereignty over the Falkland Islands against the wish of the Islanders. I hope that these statements will have fully reassured you about the Island's political future.

In any case I am afraid we cannot provide out of aid funds investment grants similar to those made in development areas of the United Kingdom. The Ministry does, however, provide finance to the Commonwealth Development Corporation, which undertakes activities of a commercial nature in independent and dependent Commonwealth countries and can enter into partnership with private firms in promoting development projects. You may, therefore, like to consider getting in touch with them about your project in the Falkland Islands.

I am sorry we cannot be of more direct help to you. I am sending a copy of this letter to Sir Arthur Galsworthy in the Foreign and Commonwealth Office.

(R. B. M. King)

R. R. Merton, Esq., Alginate Industries Limited, 22 Henrietta Street, W.C.2 0004.

23rd January 69.

Dear ir,

Thank you for your letter of the 16th January concerning accomposition.

May I ask how short is a short time?

Yours faithfully,

(T.H. THOMPSON) COLONIAL SECREPARY

Mr F. Jones, R.M.S. 'Darwin'

Ex.Co.

RPB.

160

22

CS. Secretiat file

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CLA 278/60/01

300

7th January, 1969.

Thank you for your letter of 30th December about the Falkland Islands.

I fear that there is nothing I can add to my letter of the 24th December. I need hardly say that what I wrote there was in accordance with policy settled by Ministers. You do not refer to my suggestion that you might get in touch with the Commonwealth Development Corporation but I trust that you will not overlock this pessibility.

Very cool.



(R. B. H. King)

R. R. Merton, Esq., Alginate Industries Limited, 22 Henrietta Street, W.C.2

19/20

CLA 278/60/01

24th December, 1968.

Would you please refer to your letter to Mr. G. N. Wilson (15) of the <u>5th Pecember</u> about the seaweed resources of the Palkland Islands, which he acknowledged in his letter of the lith December.

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(R. B. M. King)

R. R. Merton, Esq., Alginate Industries Limited, 22 Henrictta Street, W.C.2 ON 27TH AND 28TH JANUARY 1969.

0004

#### 11. ALGINATE INDUSTRIES

His Excellency explained that Alginate Industries had applied to H.M.G. for financial aid for their Falkland Islands project and for assurances on the future of the Falkland Islands. They had been informed that their application did not qualify for an investment grant and had been referred to the Commonwealth Development Corporation. The sequel is not yet known.

Council noted that a representative of Alginate Industries, Mr Pery, would be visiting the Colony in April or May.

of Council Clerk

161

Stanley, 30.1.69.

The Honourable The Colonial Secretary, Stanley.

KIV also mail for 160.

Sir, In reply to your letter of January 23, please be kind enough to consider letting Alginate Industries Limited have the use of an office up to and including the end of May of this year. I have the honour to be,

Sir, Your obedient Servant, berein Jonen

New A.

C/c draft renez

164.

13th February, 69.

Dear Sir,

0004

162. I refer to your letter of 30th January 1969 and confirm that Alginate Industries Ltd. may have the use of the Grasslands Office up to 31st May 1969.

Nould you kindly arrange with the Officer in Charge Agricultural Department for an inventory to be taken of all furniture and equipment in the office before you instal yourself in it.

Yours faithfully,

(Sgd) H.L.Bound

COLONIAL SECRETARY

KIV

Copy to HM

for

Mr F. Jones, R.M.S. Darwin, STANLEY.

AA.