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***PATROL REPORTS***

DISTRICT: NORTHERN

STATION: AFORE, 1971-1972

Original documents bound with reports  
for: Ioma, volume 17.

# Papua New Guinea Patrol Reports

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PATROL REPORT OF: IOMA - AFORE  
ACCESSION No. 496  
VOL. No: 17: 1971/72 NUMBER OF REPORTS: 3

REPORT NO:	FOLIO	OFFICER CONDUCTING PATROL	AREA PATROLLED	MAPS/ PHOTOS	PERIOD OF PATROL
		IOMA - 1971/72			
1-1971/72	1-13	HEADLY R. T.	Agia and Binandere Census Division	1 map	07/07/71-20/07/71
2-1971/72	14-44	GEOBA J.	Binandere Census Division	1 map	07/10/71-13/11/71
		AFORE - 1971/72			
1-1971/72	45-63	LAND J. M. A.P.O.	Managalase & Musa Census Division		19/08/71-05/10/71

NORTHERN DISTRICT

PATROL REPORTS

IOMA AND AFORE

1971-72

<u>Report No.</u>	<u>Officer conducting Patrol</u>	<u>Area Pattolled</u>
<u>IOMA</u>		
1-71-72	R.T.HEADY	Agia and Binandere Census Division
2-71-72	J. EOBA	Binandere Census Division.
<u>AFORE</u>		
1-71-72	J.LAND	Managalase and Musa Census Division.

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TERRITORY OF PAPUA AND NEW GUINEA

DEPARTMENT OF THE ADMINISTRATOR  
NO. 1971  
POPONDETTA NORTHERN DISTRICT

# PATROL REPORT

District of NORTHERN Report No. A.1 of 71/72  
 Patrol Conducted by J. M. LAND ASSISTANT PATROL OFFICER  
 Area Patrolled MANAGALASE & MUSA CENSUS DIVISIONS  
 Patrol Accompanied by Europeans NONE  
 Natives INTERPRETER (MANAGALASE ONLY)  
 Duration—From 19/8/1971 to 5/10/1971  
 Number of Days 18  
 Did Medical Assistant Accompany? NO  
 Last Patrol to Area by—District Services 23/4/1971  
 Medical ...../...../19.....

Map Reference .....  
 Objects of Patrol CENSUS REVISION

Director of District Administration,  
 PORT MORESBY.

Forwarded, please.

/ 19

.....  
 District Commissioner

Amount Paid for War Damage Compensation .... \$.....  
 Amount Paid from D.N.E. Trust Fund .... \$.....  
 Amount paid from P.E.D.P. Trust Fund ....  
 .....  
 .....

*Area Study MUSA field*

*~*

OA:JH

P.O. Box 2396,  
KONEDOBU.

67-5-24

17th March, 1972.

The District Commissioner,  
Northern District,  
POKONDETTA.

The Secretary,  
Department of the  
Interior.

A 67 PATROL NO. 1 OF 1971-72

Your reference 67-1-1 of 10th March, 1972.

I acknowledge with thanks receipt of the Situation Report arising out of the above Patrol of the Managalase and Musa Census Divisions as submitted by Mr. J. Land, Assistant Patrol Officer.

C.S.B. deposits should not be accepted on patrol (diary 1/10/71).

A circular will be issued shortly raising the minimum carrier rate to 30 (thirty) cents per hour actual carrying time.

Quite a good report but spoiled by the unexplained delay in submission.

(T.W. ELLIS)  
Secretary.

889 67-5-24

(2)

PAPUA NEW GUINEA



67-1-1

Division of District Administration,  
Department of the Administrator,  
POPONDETTA, Northern District.

10th March, 1972.

The Secretary,  
Department of the Administrator,  
POPODOBU.

AFORE PATROL REPORT NO. 1 OF 1971/1972.

Attached please find in duplicate above report which has been delayed in transmission. Also copies of the Officer-In-Charge, Afore's and the Assistant District Commissioner, Popondetta's comments.

- 2. No comments except this report is of the old style.

(M.J. Densky)  
A/District Commissioner

No. 67-1-1  
 Department of The Administrator,  
 Patrol Post,  
 AFORE,  
 Northern District.

10th November, 1971

The Assistant District Commissioner,  
 Sub - District Office,  
POPONDETTA.

AFORE PATROL REPORT No.1 1971/72

Appended are ~~five~~ copies of the above report by Mr. J.M. Land, Assistant Patrol Officer, and a claim for camping allowance. After comments from the District Commissioner and yourself please forward a copy to the O.I.C. Safia.

2. Tardiness of report has been caused by awaiting production figures from D.A.S.F. Popondetta.

3. Comments are

(a) Political Education

Group discussion along the lines of a "problem census" have proved to be the most effective method of communication.

(2) Although Mr Land notices no marked political awareness since his last patrol (No.4 of 70/71 last April) there has been a definite improvement over the past 18 months. This is exemplified in that some people are willing to give self government a go and others are realising possible material drawbacks. Being au fait with both the pros and cons of self government is a positive step towards maintaining a stable future government.

(b) Local Government

The Afore Council has only \$1200 in its estimates to construct replacement bridges over the Bariji, Musa and Awala rivers. These sites have this month been inspected by the Local Government Engineer and a submission will be made for R.D.W. funds for next fiscal year.

(2) The Musa Division has gained meagre material benefits from the Afore Council but this is due to the high transportation costs of bringing Councillors to meetings and the uncertainty of the area pending results of C.D.W. tests of the Musa Hydro Electric Scheme; which if feasible, and the Electricity Commission follows through construction, a dam will inundate three quarters of the Musa valley.

(c) Local Government Councillors

Although many matters raised in the Council meetings pertain to the Division District Administration they are not outside the sphere of local government; and this emphasises the integral part played by D.D.A. in local government affairs and that these roles cannot be divorced at the moment.

(d) Roads

Bench construction (or a pilot road) has been completed from Afore to the Pongani River a distance of 16.4 miles. Five contract teams are each presently constructing half a mile of road 20 feet wide. The ultimate road will not actually reach Pongani village but will turn a couple of hundred yards on the costal side of the Pongani River in a northerly direction to link up with the envisaged Oro Bay-Pongani road.

~~(e) A Local Government Engineer is expected~~



(2) A Local Government Engineer is expected soon to assist with blasting and bridging problems.

(3) The Pongani-Musa Gorge road is of prime importance. Once completed it is envisaged feeder roads will be constructed by the council to Gewola in the Bariji area and into the Musa valley proper, which will give 2500 people access for their produce which at present requires arduous portage by limb and high aircharges to sell in Popondetta.

(e) Airstrips

Afore

Advice is still awaited from the Regional Works Engineer as to the ~~future~~ future of Afore airstrip. The figure of \$8,000 to \$10,000 for improvements is only an estimate. What is needed is an accurate cost survey.

G Gewola

An airstrip is not recommended. The answer is road access to link up with the Pongani-Musa Gorge road.

(f) Cash Crop Extension

Coffee production figures for 1970/71 and July/September 1971 were estimated by D.A.S.F. Popondetta as Popondetta ~~entreprenuer~~. Mr Curtis took over buying during October 1970 and accurate figures are not available. Three coffee buys were held during 1970/71 and because of the falling overseas market, prices varied at each buy. Average price per pound for Arabica Coffee would be 12¢ or 13¢. At 12¢ per lb. 150,000 lbs yields \$18,000 falling far short of that envisaged by D.A.S.F. and recorded in Mamagalase Area Study (Patrol Report No.1-70/71).

(2) Surely there must be a method of obtaining accurate production figures and the total amount received by growers?

(3) Prices for both Robusta Coffee and Bird-Eye Chillies purchased by D.A.S.F. in the Musa are at 12¢ per lb for each. This amount is negligible when calculating per capita income. Most income is derived from extraneous sources especially absentee workers.

(4) Even though production figures for the July/September quarter in the Musa have surpassed any previous year D.A.S.F. don't want this mistaken for a boom in crop production as the people only produce when so inclined.

(g) Non Indigenous Development

It is commendable that Mr Brey should intend assisting his native neighbours plant Cardamom, however not too much reliance should be placed on this source as there is a vast difference from what he says and is actually achieved.

(h) Education

School figures given are all for registered Primary T Schools, however Itogama, Sakarina and Awala are Anglican Mission Orientated, as are other small unregistered schools listed.

(i) Shotguns

The number of shotguns in the Musa is alarming and can mainly be attributed to the distribution made by the Administration in 1966 because of lack of food caused by a severe drought at that time.

(j) General

All Demarcation Committees have been told to stop work pending the conveyance of the new Land Laws through the House of Assembly.

(2) After the interpreter, also a Councillor, returned for National Day celebrations his wife became ill and regrettably he could not rejoin the patrol. She later died in the Ponondetta Hospital.

(k) Census Revision

Now that new census registers are at last up to date there should no longer be any large discrepancies.

(2) Census at Gora, Gorabuna and Kero in the 1969/70 revision accounted for the discrepancy last year. (See patrol report No.1 of 1970/71). Migrations back from Asapa in the Kokoda Sub district seems to be the major factor for discrepancy this year.

(3) A request has already been made to alter the Village Directory by adding Asanga, Umauma and Koila and deleting Doma and Afai'ia.

4. Mr Land is at present typing his Area Study of the Musa Census Division and will be forwarded when to hand.

5. This has been a most satisfactorily conducted patrol.

.....  
P. I. Rofe  
Assistant District Officer

17

67-1-1

Patrol Post,  
AFORE,  
Northern District,

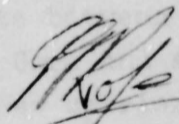
11th August, 1971

J.M. Land Esq.,  
Assistant Patrol Officer,  
AFORE

AFORE PATROL No.1 of 1971/72

Please prepare to depart on patrol no later than 18th August, 1971.

2. The objects of your patrol will be -
  - (a) Annual census revision of Managalase and Musa Census Divisions,
  - (b) Revision of Managalase Area Study and compilation of new Area Study of the Musa,
  - (c) Compile an up to date register of all firearms, separately for Managalase and Musa divisions,
  - (d) Conduct political education meetings at each venue concentrating on those people interested and willing to absorb. Consult file 1-7-4 for pertinent information that will be of assistance, and
  - (e) attempt to pay outstanding N.M.T.A.s (most of which are in the Musa).
3. Before departing ensure you have all census registers and organise them in alphabetical sequence. Take with you sufficient (green) Census-Tax Roll-Roll of Electors forms for those villages not already brought up to date.
4. Although the Musa Census Division is now administered from Safia Patrol Post the Assistant District Commissioner, Popondetta has not objected to you conducting census and compiling an Area Study - as all census registers are held at this office and because the Musa people are incorporated with the Managalase in the Afore Council. The O.I.C. Safia will be informed of your patrol, however you must maintain strict liaison and forward a copy of your report and correspondence arising from the patrol to him.



P.I. Rofe  
Assistant District Officer

PATROL DIARY

- 19/8/71 By tractor with patrol gear etc. to Kawaweki. Census P.E. talk, S/G inspection, Kawaweki and Dareki. Walked to Kaura rest house in the evening. Slept Kaura.
- 20/8/71 Census Numba, Kaura, Aware, Siurani. Difficulty finding Siurani names. P.E. talk and S/G inspection. Slept Kaura.
- 21/8/71 Numerous arbitrations in the morning, from Puri Puri to Committee man pocketing village funds. To Kwena 45 mins. Census P.E. talk, S/G inspection Kwena and Sila. Latrine inspection in the evening— four new latrines ordered to be built. Slept Kwena.
- 22/8/71 Worked on V.P.R.'s..Mr Rofe arrived on motor bike with some fresh instructions. Inspected new latrines in the evening. Overnight Kwena.
- 23/8/71 2 disputes for arbitration in the morning. 45 minutes to Dea. Census, P.E. talk, and S/G inspection Dea and Tabueni. Talk on sending children to school. 2 arbitrations in the evening. Slept Dea.
- 24/8/71 Rain in the morning. Departed Dea 1205 hrs. 25 mins to Silembo. Census, P.E. talk, S/G inspection Silembo. Slept Silembo.
- 25/8/71 Worked on V.P.R. disputes between Natanga and Silembo people in the evening. Slept Silembo.
- 26/8/71 To Natanga 1 hr 10 mins. Census Natanga and Kiara. Disputes for arbitrations in the evening until 2000 hrs. slept Natanga.
- 27/8/71 To Gora 2hrs 15 mins, track good. Census, P.E. talk, S/G inspection Gora and Kero. More interest than usual in P.E. talk. Slept Gora.
- 28/8/71 Inspected Kero airstrip. Arbitration cases in the p.m. slept Gora.
- 29/8/71 More arbitration . Worked on V.P.R. Slept Gora.
- 30/8/71 To Gorabuna 2 hrs. 20 mins. Road good. Census, P.E. talk S/G inspection. 4 men ordered to Afore to be prosecuted for having no latrines. Settled land dispute between Gorabuna and Kero people - at last. Walked back to Gora and slept there.
- 31/8/71 To Natanga, paid off carriers. New carriers to Kwarue via Kiara, 2 hrs. Slept Kwarue.
- 1/9/71 Census, P.E. talk, S/G inspection Kwarue and Tahama. Arbitration cases in the evening. Slept Kwarue.
- 2/9/71 Departed Kwarue 0900 hrs arrived Umboworo 1100 hrs. Census , S/G inspection Umboworo and Sagamaisa. Slow work making new book. Finished 1800 hrs. Overnight Umboworo.

- 3/9/71 Worked on V.P.R. Gave P.E. talk in the afternoon. People outspoken on Self Government. Slept Umboworo.
- 4/9/71 To Kokoro 1 hr. Census Kokora and Kuai. P.E. talk and S/G inspection. Slept Kokora.
- 5/9/71 Sunday observed. Overnight Kokora.
- 6/9/71 To Itogama via Kuai - inspected houses and latrines - 1 new house ordered to be built. 1 1/2 hrs to Itogama. Had look at Itogama water supply re. installing a hydrolic ram. Slept Itogama.
- 7/9/71 Census, P.E. talk, S/G inspection, spiel on National Day, Itogama and Ufia. Slept Itogama.
- 8/8/71 Departed Itogama 0900 hrs. arrived Umwate 1100 hrs. Census, P.E. talk, S/G inspection Umwate and Iauro. Slept Umwate
- 9/9/71 To Aiare 3 hrs. Inspected progress on airstrip and replaced markers which had been removed. Census Aiare and Suwari. P.E. talk and S/G inspection. Slept Aiare.
- 10/9/71 Supervised work on airstrip - good turnout. Inspected houses and latrines - mostly sub-standard. Heard adultery case in the evening - all concerned ordered to Aiore. Slept Aiare.
- 11/9/71 To Sibia - self 5 hrs, carriers 7 hrs. Slept Sibia.
- 12/9/71 Census Sibia, P.E. talk and S/G inspection. To Namudi 1 1/2 hrs. Slept Namudi
- 13/9/71 National Day. Took walk up Jari Jari creek to inspect some hot springs, known as "Jawota". 2hrs wading each way. Slept Namudi.
- 14/9/71 Census, P.E. talk, S/G inspection Namudi. Slept Namudi.
- 15/9/71 Supervised work on airstrip. Removed one house which was on approaches. Overnight. Namudi.
- 16/9/71 Departed Namudi 0845 hrs. arrived Awala 1115 hrs. Paid out \$1548 in workers compensation. Had look at school and new Aid Post. Slept Awala.
- 17/9/71 Census, S/G inspection Awala. Trouble sorting out old census books - M.I. and M.C. all over the place. Slept Awala.
- 18/9/71 Worked on V.P.R. Departed Awala 1115 hrs by raft. Stopped off and inspected new village at Koila, then on to Moro to arrive 1630 hrs. Slept Moro.
- 19/9/71 Sunday observed. Slept Moro.
- 20/9/71 Census and S/G inspection Moro then over river to do same for Umarra and Asanga. Inspected School and airstrip. had talk with teacher. Slept Moro.
- 21/9/71 Worked on V.P.R. Departed Moro 1010 hrs. by raft. Inspected Taruba on the way - no latrines. Arrived Safia 1430 hrs. Talk with A.D.O. Safia. Inspected some S/G's. Slept Safia.
- 22/9/71 Census Safia, Auwake, <sup>a</sup>Avalro, Gobera, Domara, Bibira No.1. Finished in dark. Renewed 15 S/G licences in evening. Slept Safia.

- 23/9/71 Sought information from Ag. Officer, Mission Father, and Aid Post Orderly. Departed Safia 1030 hrs. arrived Obeia 1430 hrs. Slow crossing Adau river. Paid 2 M.K.F.A.'s. Slept Obeia.
- 24/9/71 Census and S/G inspection Obeia and Silimidi. Spent on necessity to educate children. Talked to Silimidi people re. their enquiries concerning exploration companies. Slept Obeia.
- 25/9/71 Worked on V.P.R. Overnight Obeia.
- 26/9/71 Sent 6 children to Moro to enroll in school. Carriers to Safia, me by raft from Cobera to look at Iusa dam site. Walked back to Safia. Slept there.
- 27/9/71 To Bibira No 2. 1 1/2 hrs. Inspected new village at Bofobe. Census and S/G inspection Bibira No. 2 and Aimare. Slept Bibira No. 2.
- 28/9/71 To Moro 2 hrs. Overnight Moro.
- 29/9/71 To Babaraba - 7 hrs. self, 3 hrs carriers., via Waradunu. Inspected new site for Babaraba, 5 hrs from Moro - good water and Klinki pines. Slept Babaraba.
- 30/9/71 To Orala in Bariji - 2 hrs 10 mins. Census Orala then to Gewoia via Manana. 3 1/2 hrs. Slept Gewoia.
- 1/10/71 Census and S/G inspection Gewoia and Manana. Had look at proposed site for airstrip - rejected it. One case for arbitration. Received several deposits for C.S.B. Slept Gewoia.
- 2/10/71 Walked 1/2 hr. to Manana to inspect kunai patch as possible site for air strip. Cut line and paced to excess of 1900 ft. Overnight Gewoia.
- 3/10/71 Sunday observed. Slept Gewoia.
- 4/10/71 Departed Gewoia 0900 hrs. arrived Toma 1350 hrs. Slept Toma.
- 5/10/71 Census Toma, Biriri, Samaga. Departed Toma 1030 hrs. arrived Afore 1300 hrs. End of patrol.

22nd Oct. 1971.

Assistant District Commissioner,  
Sub District Office,  
POPONDETTAPATROL REPORT No. 1 of 1971/72INTRODUCTION

The annual census revision of the Managalase and Musa divisions occasioned this patrol. Other activities included the compilation of a shotgun register, the giving of political education talks, and, in the Musa, the gathering of Area Study information.

POLITICAL EDUCATION

Political education talks were given at each gathering in the Managalase and at Aiare and Manudi villages in the Musa. Mr Tabua, A.D.O., who has recently been posted to Safia, and who is a political education officer, had, ashort and previously, conducted a patrol for the purpose of giving such talks, in the Musa division.

Talks given during this patrol centered upon Self Government: its imminence and its likely manifestations. The people present were encouraged to ask questions and to voice their opinions — it was endeavoured to work the meetings on the lines of discussions rather than as straight out lectures.

The people in the areas patrolled, as any previous Afore report with a section dealing with this subject will reveal, have only an extremely hazy concept of Central Government (or Local Government for that matter), or of politics in general. The latest encounters showed no appreciable change in the situation, although it is conceded, that in relationship to Self Government, that some of the younger men were prepared to "give it a go". This small minority argued, that if the Patrol Officer said that Self Government would be acceptable, then there was nothing to be feared. Previously, they said, the Patrol Officer had told them about the advantages of forming a Local Government Council, and in spite of grave misgivings, this had resulted in the peoples' betterment. Others said that they would be prepared to view the question more favourably if they could be absolutely certain that the Europeans would not leave the country. The great majority however, were completely against the granting of Self Government to Papua New Guinea; their arguments were a rather monotonous repetition: they lacked the economic development — roads, businesses, schools, money etc. — and they had insufficient among their number of educated men. In short, they could see no advantages accruing to them from this step, material or otherwise; conversely, they were solicitous that some disadvantages would result. In the first instance

instance they are of course substantially correct, and in the second, they could possibly be correct. The peoples' summing up of what Self Government is likely to mean for them in their garden subsistence society, is therefore both prosaic and ~~XXXXXXXX~~ practical.

#### LOCAL GOVERNMENT

Both the Managalase and Musa census divisions are served by the Afore Local Government Council (inaugurated March, 1967), and are represented by 15 and 8 councillors respectively.

Council taxation rates have been increased from \$4 to \$6 in the Managalase and from \$3 to \$4 in the less affluent Musa this year. Ward 10 in the Bariji sector of the Managalase also pays only \$4. Council taxation is levied only on adult males. Total revenue from this source is expected to be in the region of \$8000 this financial year. The Council also receives \$1800 p.a. from the Public Works Dept. <sup>for airstrip maintenance at Afore</sup> and the Council ~~1000~~ Fordson tractor, hired out at \$4-50¢ per hour, provides additional income.

By far the greatest expenditure by the Council goes to the installation of roads: formerly the Afore - Sila road, and currently the Afore - Pongani road to the coast. For details refer to the section on "roads". Other expenditure covers such items as coffee machines, coffee netting, and plastic, mostly in the Managalase, and, in the Musa and Bariji areas, \$2000 for the purchase of wire rope with which to replace cane bridges.

The Musa division which provides less than one quarter of the Council's taxation revenue sees little for its money. Development of projects in the Managalase receive priority. Further, the cost of flying the Musa councillors from Safia to Afore six times annually by charter for council meetings, absorbs over half this revenue.

#### LOCAL GOVERNMENT COUNCILLORS.

As might be expected in such an undeveloped area, the Afore Local Government Councillors are relatively unsophisticated; and indeed, only two of them, both young men, are literate. Much time is wasted at Council meetings by the introduction by the Councillors of material which is irrelevant to local government: one Councillor has a personal dislike of the Anglican Mission and given the opportunity, will rise to his feet and launch a violent diatribe; others bring up matters which are in the sphere of District Administration - the Moro Councillor for instance, repeatedly tries to negotiate an increase to the price paid to carriers for portage of Administration equipment. With an Administration officer sitting in as advisor at meetings, the Councillors find it difficult to divorce Local Government matters from those of Administration.



(1)

ECONOMIC  
ROADS

The Afore to Silla road has now been completed to access standard. This road, 7.2 miles in length, while capable of providing passage to a tractor or 4 wheeled drive vehicle in relatively dry conditions, would require considerable extra work and expense to upgrade it to tertiary standard.

As yet there are no external roads from the Managalase Plateau. Last April, subsequent to considerable expense for surveyers fees, an egress of acceptable grades was found from the Managalase Plateau down to the coastal plain, to Pongani on the coast itself. The importance of this to the future development of the Managalase area cannot be overstressed. A motor cycle bench from Afore to Pongani has just been completed - a distance of 16 miles. Difficulty was encountered in employing labour for this work. Progress was slower than was hoped. With the completion of the bench, contracts will now be let in half mile stretches for formation of the road proper; in fact two contracts have already been let.

It is anticipated that some trouble will be encountered in bridging two large creeks between the villages of Ondoro and Uiove, and the Pongani river at the foot of the plateau. The last could possibly be forded. A further problem is the existence of two substantial sections of rock South of Ondoro, which will require blasting. Overriding all these problems is the difficulty expected in employing sufficient willing labour to work on and complete the road.

It is now intended to build a road from Pongani to the Musa river gorge, a distance of 46 miles, thus enabling heavy equipment to be transported to this point for the work needed to establish the feasibility of damming the river.

A route has been surveyed, and Mr Pingo, P.O., is currently supervising a team of labourers, recruited in Popondetta, in the clearing of this route to the degree where it will dry out and enable a bulldozer to be walked in to do the heavy work.

A Commonwealth Works estimation as to the cost of eventually building the road to the standards required to carry the loads envisaged, is in excess of \$2.4 million.

AIRSTRIPSAFORE

Afore ~~strip~~ airstrip is category D and 1800 ft. in length. Efforts have been made over the last year to extend the landing area by a further 1000 ft. at the N.E. end. A grant of \$313 has been made by the P.W.D. for the levelling of this section using the L.G.C. tractor and a small grader blade. On the 18<sup>th</sup> August this year, a D.C.A. official inspected the airstrip but stated, that due to the present unsatisfactory state of the surface of the present landing area, that with the addition of the 1000 ft. extension, the air strip could still not be considered for Category C operations. A District Works engineer puts the price of completing the extension to Category B, at between \$8000 and \$10000. Presumably if the extension at the N.E. end could be used, then the undulating sections in the centre and at the S.W. end could be ~~used~~ closed and upgraded. The use of hand labour to effect these improvements is not recommended. Past ~~experience~~ experience has shown that this method takes an unacceptable length of time, does poor quality work, and in any event exceeds the expense which would be incurred should machinery be imported and used.

GORA

The Gora people are now upgrading the old Mission strip at Kero village - 15 minutes walk from Gora. An inspection was made during patrol, last month. The length of the airstrip is in excess of 1300 ft. with a width of 150 ft. The surface, although it has no potholes, leaves a lot to be desired. The recent cutting of drains, 2½ ft. X 2½ ft., down the laterals should remedy the airstrip's propensity towards excessive <sup>s</sup>itness following rain. A feature of considerable size rises straight up from the lateral at the S.E. end, thus confining the strip for approval to one way operations only.

ITOGAMA

This S.I.L. airstrip was lengthened by 600 ft. to 1800ft. last April. The remainder of the landing area will require considerable work to upgrade it in order that it be opened to commercial operations.

GEWOIA

The Gewoia people asked me to look at a large kunai patch close to Mamana village. This would allow a one way strip of over 1900 ft. to be constructed - one end is blocked by a low ridge. Without a clinometer it was not possible to ascertain whether the other end was sufficiently free of obstructions. The people were told on no account to do any work on this, and that the area inspected would merely be reported as a possible site if it was later decided to construct an airstrip in the Bariji sector.

MUSA DIVISIONX

See "AIRSTRIPS", Musa Division Area Study

(9)

VILLAGE CASH CROP EXPANSION

Coffee produced in the Managalase and Bariji is now purchased privately by a European: Mr. A. Curtis. Mr. Curtis buys coffee on the spot at Afore, Sila, and Itogama airstrips. The D.A.S.F. buys the coffee and chilli crop produced in the Musa division, at Safia airstrip.

Cash crop production for the Managalase and Musa census divisions is as follows:

YEAR	<u>MANAGALASE</u>		
	ARABICA COFFEE	POTATOES	VEGETABLES
1969/70	1 <sup>83</sup> 795 lbs	13124 lbs	2317 lbs
1970/71	150,000 lbs (estimated)	4900 lbs	1266 lbs
July -Sept. 1971	8,5000 lbs (estimated)	221 lbs	76 lbs

YEAR	<u>MUSA</u>	
	BIRDS EYE CHILLIS	ROBUSTA COFFEE
1969/70	1129 lbs	1046 lbs
1970/71	1686 lbs	1000 lbs
July -Sept. 1971	2630 lbs	1804 lbs

Salient points are: (a) The dramatic fall in the Managalase's potatoe production.

(b) The equally dramatic rise for the last quarter in the Musa's production of chillis and Robusta coffee.

Dealing with (a) first: The D.A.S.F. Production Officer attributes this to the potatoex grower's refusal to retain a portion of their crop as seed for future planting - they sell the entire production. D.A.S.F. have repeatedly replenished supplies, but now, if I understand correctly, they are prepared to do this only once more. A further ~~factor~~ contributing factor is, I feel, the need for a high rate of fertility in the ground used. To obtain ground of this calibre, it is necessary to employ portions long unused for gardening which, obviously, are covered in heavy timber and require considerable hard toil to clear. With producer's price at only 3¢ per lb, it could well be that the grower does not consider the reward commensurate to the effort.

Concerning (b): I was informed that it could be that the D.A.S.F. officer had suddenly been taken to by the people in a burst of enthusiasm; that they might perhaps have listened to his advice where that of his predecessors had gone unheeded; and that plantings

of coffee and chilli bushes as a result, have now come into production.

#### NON INDIGENOUS DEVELOPMENT

Recently 2500 acres of land near Niniure, two miles from Afore, have been alienated for subdivision into smallholder blocks. Purchase price was \$16,000. A European, Mr Breay, expects to acquire a 700 acre lease here on which to plant cardamom. At present Mr Breay has a nursery at Niniure containing 180,000 seedlings - enough to plant out 200 acres. Currently Mr Breay is awaiting finalisation of the grant to this lease.

Cardamom, a high quality spice, is expected to yield 50lbs, 100 lbs, and 200 lbs respectively for the first three years. Thereafter production should hold to 200 lbs for over ten years.

Mr Breay also intends to help his neighbouring smallholders to grow cardamom - probably  $\frac{1}{2}$  acre of this per 25 acre block - and to act as middleman in the purchase of the crop. The cardamom would then be sold overseas if of acceptable quality (approximate price given was in the \$1 to \$3 price range.) or, if of poor quality, could be sold to Stafford Allan of Mount Hagen to be processed for its oil - at a lower price.

This venture, if successful, holds important implications for the advancement of the area.

#### SOCIAL

##### EDUCATION

Figures for the schools in the two divisions are listed below. P.T.S. schools operate at Afore, and at Moro village in the Musa division. All other schools are run by the Anglican Mission which has its headquarters at Sakarina, seven miles from Afore.

VILLAGE	GRADE	MALE	FEMALE	TOTAL
AFORE	1	17	2	19
	3	16	2	18
	4	22	3	25
	4	39		39
ITOGAMA	1	39		40
	3	40		40
SAKARINA	2	55	17	72
	3	37	3	40
	3	51	3	54
	4	51	3	54
	4	30	4	34
	5	36	2	38
	6	36		36
				<hr/> 379

EDUCATION (continued)

VILLAGE	GRADE	MALE	FEMALE	TOTAL
AWALA (Musa)	2	34	14	48
	4	26	19	45
MORO (Musa)	2	19	7	26
Musa total				119
Add Managalase total				379
Grand total				498

Schools operated by Anglican Evangelists are as follows: Natanga - Std. 1&2, 15 pupils; Kwarue - Prep, 24 pupils; Gewoia - Std. 1, 9 pupils; Uiove - Std. 1& 2; and Umboworo - Prep, 35 pupils. Two indigenous S.I.L. workers are running small schools at Dea and Gora, teaching the basic "three R's" and the bible. As far as can be ascertained, the S.D.A. sect now conducts no schools in the Afore patrol area. Both Moro and Awala schools are of recent formation, and both, especially the latter, are now functioning very successfully.

HEALTH

Government aid posts exist at Afore, Dea, Uiove, and Safia. Mission aid posts are to be found at: Sakarina (hospital), Itogama (hospital), Awala (newly installed), and Moro (S.D.A.). I understand from the priest at Sakarina that it is intended to erect a new modern hospital there in the not too distant future. Apparently a gift of £3000 Sterling is to be made from the city of Edinburgh in Scotland, for the building of this. The present hospital, presided over by a European sister, is of bush materials.

The Itogama hospital is in a dilapidated state. The orderly asked me to generate some enthusiasm amongst the people to either repair the old building or to erect a new one; and this I did at the census gathering.

(6)

MISCELLANEOUSMINERAL EXPLORATION COMPANIES

During the months of April and May of this year, Cundill Meyers & Associates, a geological company acting for the American Iron and Steel Corporation, was based at Afore. Its purpose was to carry out block surveys of areas in the Managalase and Musa - Prospecting Authority 92 Papua. The company was purported to be returning for a more detailed study of the more promising spots in the month of June, but to date has not done so.

The Australian Oil and Gas Company, N.L., is currently operating from Bibira No. 1 in the Musa, by helicopter. They have six geologists. (Prospecting Authority No. 135 Papua.)

At the beginning of this year Papuan Nickel N.L. discovered a large deposit of lateritic nickel at Wowo Gap some 15 miles South of Safia. However, since the methods for the processing of nickel oxides are as yet relatively inchoative and involve the outlay of enormous capital, it is unlikely that this will be developed in the near future. Development of the huge Greenvale deposit in Queensland for instance, is expected to cost \$200 million.

SHOTGUNS

A shotgun register was compiled during this patrol - a step long overdue. Many gun owners who thought that these guns might be confiscated as unsafe, or who had insufficient funds to with which to renew their licences, had been in the habit, it was discovered, of not presenting these guns and licences each year. The less frequently patrolled areas around Gora and Umboworo had the greatest incidence of this. Several cases of licences two years overdue for renewal were encountered, and in one case, three years.

108 shotguns were recorded in the Managalase, which, with a population of 6285, gives an average of 1 S/G to every 58.1 persons. This is a much lower rate than that of the Musa: with a total population of 2604 there are 128 shotguns - an average of 1 S/G for every 20.3 persons.

Comprehensive lists will be appended to last year's Managalase Area Study and it will be incorporated in this year's Musa Area Study.

In both divisions this officer received a constant stream of enquiries for permission to buy new shotguns. It had been decided that the Afore L.G.C. will review all such requests and "would be S/G owners" were therefore referred to this quarter.

*Handwritten signature and date:*  
 [Signature] 18-11-50  
 T.M.LAND

GENERAL

Numerous disputes were brought up throughout the patrol ranging from puri puri and trespass on ~~XXXX~~ TAMBU ground, to land disputes (especially in the Northern Sector of the Managalase where the Demarcation Committee had been active), to adultery, to theft. Most of these were settled arbitrarily, and in fact, only one adultery case and two incidences of card playing were despatched to the magistrate at Afore. Indigenous creditors had the annoying habit of awaiting the arrival of the Patrol Officer and then using him to coerce a year's supply of debtors into the settlement of their obligations.

At Umwate, prior to its descent to the Musa, the patrol lost its interpreter, who departed for Afore to celebrate National Day to the full, and did not return during the remaining month which it took the patrol to cover this division. While this was not a crippling loss, ~~xxxxxxxxxx~~ an interpreter would on many occasions have been of help.

1970/71 CENSUS REVISION

New census books were written out for 21 Managalase and 11 Musa villages. This was slow work in some cases since the old census books were in an unbelievable state of disarray and dilapidation - tattered torn and the pages of different books all loose and jumbled up with one another. No record could be found at the time of the bulk of the Siurani people and their particulars, by necessity, had to be taken ad. lib.. Later, during the course of the patrol through the Musa, lists of Siurani people were sporadically discovered written in odd spaces on various Musa villages' forms. No record could be found of some 44 people from Bua and, once again, names etc. were taken ad. lib.. At Gorabuna recourse had to be made to a 1964 census book - no other record could, or is, to be found. These discrepancies to a large extent account for the surplus of 364 this year in the Managalase census division's figures. I am unable to explain the surplus of 63 in the figures for the village of Silembo.

I reiterate A.D.O. Mr Rofe's recommendation that the villages Umauna and Asanga be included in the Village Directory as opposed to being ~~xxx~~ amalgamated with Moro. They are both separate from Moro and of appreciable size. This could equally well apply to Koila which has now moved 3 hours up the Musa river from Moro. The village of Iaure, listed as being in the Musa, has now moved in its entirety to a remote S.W. corner of the Managalase. The Oiso people, formerly living at Mamudi are in the process of moving to Awala. The Doma and Arai'ia people, as reported last year, have all migrated to the Abau Sub District.

Village Population Registers are appended.

*see area study*

*[Signature]*  
A.P.O.  
J. M. LAND