

February 28 1973

REPORT BY W. TRAVIS ON HIS WORK VISITS TO HAWAII AND
PONAPE PERIOD FEBRUARY 13-28, 1973

1. Project Number One:- The Establishment of a Dory Boat-
building Complex in Western Samoa

1.1. Preamble:

During the past two years, I have worked at evaluating the specific small-boat requirement for successful Fisheries Development within the local area. Within the past twelve months I have come to believe that a modified 'Oregon type dory would be best suited for Pacific conditions and my successive reports (Jan. 1972, May 1972, September 1972 & October 1972 & December 1972) have all progressed along this basic concept. In August of last year I obtained the interest of the Edward Janss, of the Janss Foundation, in certain of my ideas, and began formulating a whole programme aimed at building, developing and operating a fleet of Western Samoan dories through the kindly assistance of Janss Foundation technical and financial input.

My recent travels to Hawaii and Ponape were undertaken primarily to pull together various technical details of the project, to confer with Mr Janss and the Foundations Director, to seek the aid of the Foundation for the People of the South Pacific on certain training aspects of the project and to make final arrangements for the Janss and his party's projected visit to Western Samoa. An additional requirement was to liaise with Mr Ian Wallace, naval architect and Shipyard Manager to the Gilbert and Ellis Island Development Corporation, which are actively pursuing a Dory Programme of their own.

1.2 Broad Dory Project Outline:

- (1) To create within the existing Fisheries Head Quarters complex a Boat-building shed fitted out and equipped with machinery supplied through the Janss Foundation.
- (2) Ditto a mechanical workshop.
- (3) To employ a skilled boat-builders through the Janss Foundation.
- (4) Ditto a skilled engine-mechanic instructor for Samoan engine-mechanics.
- (5) To subsidise the purchasing cost of eight dories with which to start the project through Janss Foundation.
- (6) To train up an accountant in modern boatbuilding cost-accounting systems through the agency of an accountant instructor provided by FPSP.
- (7) To provide a Fishing Systems Consultant to work on developing dory gear and methodology.
- (8) To establish a Revolving Fund within the Development Loan Bank, (having as funding source the capital obtained from the first batch of boats) whence qualified fishermen may purchase dories.
- (9) To establish, with the Technical assistance of the SPG's Co-operative Adviser, a Fishing Co-operative or Board which would supervise (at technical levels) the Revolving Fund, and purchase market and distribute fishermen's catches.

1.3. Results Achieved on Work-Study Visits.

(a) Dory Project:-

- (1) FPSP will supply an accountant/instructor who has already laid down a highly efficient financial control, cost and purchasing system for a Dory Project in Ponape.
- (2) Three instructor/experts have provisionally been selected and recruited, for the Western Samoan Dory Project. These are:-

Mr Tom Duncan - Master Boatbuilder
Mr Otto Motruick - Engineer Instructor
* Mr Douglas Albrecht - Workshop Engineer

*Mr Albrecht is a Peace Corps Volunteer Ponape who was engaged for the work of laying-out and installing all machinery in the Dory Works there. He is a Master Carpenter & Fitter and Peace Corps Washington are willing to transfer him to Samoa for a temporary (six months) period when required.

- (3) Detailed ordering lists for plant and materials have been finalised.
- (4) Ditto engine, propulsion system and hydraulic fishing gear for the dories.
- (5) Final drawings for a fully-modified, improved performance Dory, slightly larger than before, have been produced in conjunction with naval architect Mr Ian Wallace.
- (6) Ditto with regard to improved building jigs and systems for quantity, precision dory production.

2. Other Benefit Gained:-

2.1. The immediate purchase and despatch of a 16ft Boston Whaler boat plus 40 hp engine in order to assist the new Coconut Crab project and on-going Turtle Project (value \$5000) (already shipped).

2.2. The provision of 1 ton of Pearl Shell (value \$1800) to provide the Leper Ward with the basic materials whereby to make the pa 'atu needed for the Tuna Fishery. (There is no Pearl Shell left in Samoa and the carving skill of the Lepers ward find a useful and profitable outlet in this work). (Shell already shipped).

2.3 The services of Professor Ernest Reece, experts on Freshwater Crayfish and Coconut Crab for two weeks during March, to advise on establishing viable crab and shrimp farms. (All costs in this connection paid by the Janss Foundation).

2.4 Technical assistance in the form of advanced training for Fisheries Assistants in shrimp and crab farming/techniques. Training to be provided by the University of Hawaii, accommodation by the East-West Centre and travel costs by Janss Foundation.

2.5 Additional technical aid in the form of scientific staff (no cost to Samoan Government) from the University to investigate the Tongan Trench and its effect on the fish-resources of N.W. Savaii. (This programme will probably not get underway till mid-1974 and will be headed by Doctor Brent Callager, Head of the faculty of Oceanography and Fisheries Economics).

2.6 The assurance of the Janss Foundation that, following the initial survey in mid-March by Professor Reece, they would be prepared to provide and maintain a 5 to 7 year composite project on coconut crab, ula vai and turtle ranching.

systems.

2.7 The interviewing of Captain Powell; a Hawaiian skipjack-boat operator of considerable experiences to fulfill the vacancy which will be created by Captain Horibe's departure in early June at the expiration of his contract. (UNDP/FAO Tuna Fishery Development Project).

3. Future Possibilities:

Besides these areas listed above as receiving support from the Janss Foundation, the following are of interest to them and could possibly secure their support in the future:

3.1. Establishment of a large Public Aquarium as a local educational factor and tourist and attraction.

3.2 Assistance in the fields of technical and medical training.

3.3. Assistance in Mariculture, specifically in the propagation of commercial shells along our reefs.

4. Value of Assistance Obtained or Pledged

	<u>As of 1/3/73</u>	<u>For 1973</u>	<u>Future Projections</u>
1. Coconut Crab, etc. Project	Material:- \$5000	Combined - \$20000	Up to \$50,000 per year for 5 to 7 years
2. Turtle Support Project	Mat. - \$8000	-	Unknown
3. Dory Project	Travel of W. Travis February - \$1000	Up to \$75,000	Additions up to \$150,000
4. Fisheries Assistants Training	-	Up to \$2,000 (travel) + tuition	As necessary
5. Tongan Trench Investigate	-	-	
6. Supply of Pearl Shell for Tuna Project	Materials \$1800	Up to \$5400	As necessary.
<u>TOTAL:-</u>	<u>\$17,300</u>	<u>Up to \$102,400</u>	Up to say 750,000 or as necessary (below or above).

5. Summary of Discussions Held -

- 5.1. University of Hawaii:- Expertise on Coconut Crab, turtles, ula vai and allied Aquaculture Projects. Expertise on Tongan Trench investigation.
- 5.2. Ponape Dory Works: Evaluation of Dory Project. Wetting of personnel for Samoan Dory Project.
- 5.3. Manager, GEIC Shipyard: Design modifications to Dories. Design of Dory production Jigs and systems.

- 5.4. Janss Foundation: Financial Input on:-
a) Coconut crab, turtles and ula vai.
b) Pearl shell for Tuna Project
c) Dory Project
d) Other projects.
- 5.5. Foundation for Peoples: of the South Pacific: Assistance in the form of training in boatyard accountancy systems.
- 5.6. National Marine Fisheries Service Hawaii:- References and interviews for applicants for replacement of Captain Horibe.

6. Final Summary:

This work-visit to Hawaii - Ponape was successful in rationalising, identifying and securing financial material and technical assistance for a variety of up-coming Fisheries (and other) projects.

It also demonstrated the wealth and sources of possible assistance obtainable for territories such as Western Samoa from local, Pacific basin sources.

It is hoped that these initial success will result in a continual advancement in Samoan Social, cultural and economic spheres. In particular, it could result in Western Samoa becoming a Pacific leader in three distinct fields:-

- a) The Pacific Islands Aquaculture Centre
- b) The Pacific Islands Boat Development Centre
- c) The Pacific Islands Fishing Methods Development Centre.

Such goals deserve full support.

William Travis
(W. Travis)
CHIEF FISHERIES OFFICER

WT:pwt



NEWPORT, OREGON 97365

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OREGON STATE UNIVERSITY

DEPARTMENT OF FISHERIES AND WILDLIFE

MARINE SCIENCE CENTER

Marine Science Drive

William Travis
Chief, Fisheries Division
Department of Agriculture
Government of Western Samoa
APIA, Western Samoa

Dear Bill:

I am responding to your formal request for a dory team to work in Western Samoa to construct dories, rig them and apply the already developed dory fishing gear and methods to the Western Samoan fisheries. The training of Western Samoans in all phases of these activities would be a concurrent part of the project.

Our experience in American Samoa and in other parts of the Pacific dictates to me the need for certain understandings before I would agree to dispatch the dory team of builder, mechanics and gear and methods personnel. It is important if not critical to have a knowledgeable and capable manager of the project on the local scene. To me, American Samoa proved certain things. It proved that the dories are ideal small boats in the Pacific for islanders and further, that islanders can build excellent dories. It also proved that without capable departmental management the dory team can be forced to waste considerable time and assets and will not attain the necessary objectives of employing the dories properly in the appropriate fisheries with the appropriate gear and methods.

For all of these reasons I would agree to furnish a dory team to carry out the objectives of your dory program, that is, I understand, to be funded by the Janss Foundation and possibly others, only if you continue to be the project head. While I have confidence in the interest of the Western Samoan Government I think it needs to be clearly stated that the dory team is not going on another project in the Pacific unless we are working for a project manager who has a clear idea of his own fisheries, the goals for that fishery and some fishing expertise which will insure that the dory team will be used appropriately.

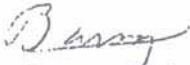
I am sure you recognize that there is considerable demand from other Pacific territories to start dory projects. Based upon my own memories of Western Samoa, its fishery resources and the people's needs, Western Samoa needs and deserves a dory project. But I am in the position of wanting dory projects

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to go into areas where the chances for success are very high. Therefore, I would repeat again the concern of having myself and the team report to and work for an independent and knowledgeable management that understands first-hand what its objectives are, how the dories fit in, and what needs to be done. In the context of Western Samoa, that management is you. If you are not going to be in charge of the project, I think we will have to make our limited time available elsewhere.

I apologize if this sounds caustic. I don't mean it to, but we can no longer afford any programs where we are not going to be permitted to train local islanders well in every facet and phase of dory operations.

Cordially,



R. Barry Fisher
Associate Professor of Fisheries