



USDA OFFICE

The USDA office was located at 90/2 Highway, opposite the Chiang Mai Museum. The USDA/ARS began a program of sponsoring agricultural research projects in Thailand in June 1973. At the beginning, the office was in the same building of the UNPDAC office located on 1 Huaikaew Road opposite the Rincome Hotel. The USDA was moved to the new office on February 12, 1979.

The objective was the development of a sound technological base for agricultural enterprise that would replace income lost by the elimination of opium poppy production

1. Developing and reviewing research and extension proposals.
2. Funding successful proposals through fixed-price contracts with Thai institutions.

USDA/ARS PERSONNEL

Dr. Wallace E. Manis	1973-1976
Dr. Donald W. Fishler	1976-1977
Prof. Wheeler Calhoun	1978-1981
Dr. Jack J. Bond	1982-1986
Sanguan Chantalay	June 1973-August 1986





USDA/ARS Research and Extension Projects

1973-1986

	Projects	Contractors	Duration	\$ Cost
1.	Deciduous Fruits	KU	June 73-June 76	91,110
2.	Shiitake Button Mushrooms	TISTR	Dec 73-Dec 76	92,923
3.	Legumes for the Highlands	CMU	Apr 74-Apr 77	84,330
4.	Arabica Coffee	DOA	June 74-June 77	79,069
5.	Essential Oils	TISTR	June 74-June 77	61,355
6.	Strawberries	KU	June 74-June 77	40,000
7.	Nut Production	RFD	June 74-June 77	75,926
8.	Pyrethrum	KU	July 75-July 78	59,610
9.	Oilseed Crops	KU	July 75-July 78	81,570
10.	Apiculture	KU	July 75-July 78	98,810
11.	Multiple Cropping	CMU	July 75-July 78	129,528
12.	Tea	CMU	June 76-June 79	114,090
13.	Ornamental Plants	CMU	June 76-June 79	145,649
14.	Lac Cultivation	KU	Apr 76-Apr 79	18,420
15.	Conservation Farming	RFD	June 76-June 79	94,166
16.	Wild Plants for Dye Production	KU	June 76-June 79	57,090
17.	Wild Silkworm Cultivation	KU	June 76-June 79	56,225
18.	Insecticidal Plants	KU	June 76-June 79	52,775
19.	Improvement Deciduous Fruits	KU	June 76-June 79	91,565
20.	Potato Seed/Off-season	DOA/KU	Dec 76-Dec 79	75,850

21.	Onion Seed Production	DOA/KU	May 77-May 80	89,840
22.	Cruciferous Veg Seed	DOA/KU	May 77-May 80	73,190
23.	Strawberries II	KU	Sept 77-Sept 79	35,180
24.	Arabica Coffee II	DOA	Sept 77-Sept 79	113,418
25.	Herb & Spices	CMU	Sept 77-Sept 79	65,780
26.	Legumes/Cereal Seed	CMU	Sept 77-Sept 79	146,843
27.	Medicinal Plants	CMU	Mar 78-Mar 81	77,025
28.	Economic Ferns	KU	Mar 78-Mar 81	62,606
29.	Ornamental Conifers	KU	Mar 78-Mar 81	40,120
30.	Carnations Production	CMU	Oct 78-Oct 81	224,763
31.	Weed Control in the Highlands	KU	Sept 79-Sept 82	80,000
32.	Fruit Fly Control	KU	Sept 79-Sept 82	70,000
33.	Small Fruit Production	KU	Sept 79-Sept 82	70,000
34.	Chrysanthemum Tea	TISTR	Sept 79-Sept 82	30,000
35.	Thug Luang Extension	MIAT	Sept 79-Sept 86	281,240
36.	Postharvest Handlings	KU	Sept 79-Sept 82	105,000
37.	Industrial Oilseed Crops	KU	June 80-June 83	12,000
38.	Irrigation Efficiency	KU	June 80-June 83	38,216
39.	Diosgenin Crops	KU	June 80-June 83	41,666
40.	Hydro Evaluation & Land Used	KU	June 80-June 83	78,050
41.	Improvement Highland Rice	CMU	June 80-June 83	80,000
42.	Kae Noi Extension Project	CMU	June 80-June 86	244,750
43.	Mae Pun Luang Extension	MIAT	June 80-June 86	244,750
44.	Pang Oung Extension	DAE	July 80-July 86	244,750
45.	Mae Hae Extension	NADC	July 80-July 86	244,750
46.	Upper Mae La Noi Extension	PWD	July 80-July 86	244,750
47.	Citrus Production	CMU	Sept 81-Sept 84	55,000
48.	Dev Ang Khang St.	KU	Sept 81-Sept 85	300,000
49.	Dried Ornamentals	KU	Sept 81-Sept 84	75,000
50.	Shiitake Mushrooms	TISTR	Aug 82-Aug 83	10,000
51.	Exotic Fruits	KU	Aug 82-Aug 85	52,000
52.	Off-season Veg	CMU	Aug 82-Aug 84	45,000

53.	Extension Methodology	CMU	Aug 82-Aug 85	90,000
54.	Vegetable Breeding	MIAT	Sept 83-Sept 84	30,000
55.	Dev implement Farm Tools	CMU	Sept 83-Sept 85	29,000
56.	Plant Protection	CMU	Sept 84-Sept 86	36,000
57.	Cut Flower Production	KU	Sept 84-Sept 87	61,000
58.	Upland Rice Production	CMU	Sept 84-Sept 87	60,000
59.	Seed Potato Production	MIAT	Feb 84-Feb 86	101,600
60.	Econ Eval Highland Crops	NADC	Aug 85-Aug 86	1,500
61.	Relay/Intercropping System	CMU	Aug 85-Aug 87	30,000
62.	Postharvest Highland Crops	CMU	Aug 85-Aug 87	50,000
63.	Appropriate Tech Horticulture	KU	Aug 85-Aug 86	45,000
64.	Seed Legume Production	KU	Aug 85-Aug 87	40,000
65.	Medicinal Tubers	KU	Aug 85-Aug 87	20,000
66.	Nursery Plant Management	KU	Aug 85-Aug 87	40,000
67.	Weed Control in Rice/Potatoes	KU	Aug 85-Aug 87	20,000
68.	Appropriate Tech Field Crops	CMU	Aug 85-Aug 86	45,000
69.	Meristem Tech for Potatoes	CMU	Sept 85-Sept 86	100,000
70.	Meristem Tech Potato II	MIAT	_____Sept 87	65,000
71.	Wheat Production	CMU	_____Sept 87	50,000
72.	Buckwheat Production	CMU	_____Sept 87	17,000
73.	Wheat Seed Stock	CMU	_____Sept 87	28,000
74.	Vegetable Production	KU	_____Sept 87	68,000
75.	Crop Protection and Mgn	CMU	_____Sept 87	28,000
76.	Socio-Economics Crops	CMU	_____Sept 87	34,000
77.	Food Processing	CMU	_____Sept 87	8,000
78.	Shiitake Mushroom Culture	CMU	_____Sept 87	10,000
79.	Goat Production	CMU	_____Sept 87	20,000
80.	Soil Management in Highlands	MIAT	_____Sept 87	12,000
81.	Catimore Coffee	DOA	_____Sept 87	40,000
Grand Total				\$6,356,216

ABBREVIATIONS :

KU	Kasetsart University
TISTR	Thailand Institute of Scientific & Technological Research
ASRCT	Applied Scientific Research Corporation of Thailand
CMU	Chiang Mai University
DOA	Department of Agriculture
RFD	Royal Forest Department
MIAT	Maejo Institute of Agricultural Technology
DAE	Department of Agricultural Extension
NADC	Northern Agricultural Development Center
PWD	Public Welfare Department
ARD	Accelerated Rural Development
DLD	Royal Irrigation Department
RID	Royal Irrigation Department
ONCB	Office of Narcotics Control Board
UNPDAC	United Nations Program for Drug Abuse Control
NSC	National Security Council
USDA	United States Department of Agriculture
FIO	Forestry Industrial Organization

ภาคผนวก

จดหมายจาก **Dr. D.W. Fishler,**

February 7, 1996:

Dear Sanguan:

This will be short. I have once again returned from the hospital. My heart has been working for me for 77 1/2 years and it is tired! I am taking much medicine.

Glad you are coming some time this summer (if I am still living) we hope to go to the U.S. to arrange for my son's entry into college, not certain which university. But in Arizona, I think.

Incidentally I have an unlisted telephone number but for you, it is - 881 - 45 - 85, so call I when you arrive.

Enclosed, two articles about Siam - Oh, No, I mean Thailand! My favorite Country!

Best wishes for success with your new endeavor.

Best wishes you & your wonderful family

DW Fisher

March 26

Dear S.C.

Many thanks for your excellent letter of Feb 22. My son, now 18 old. S.C. should be a writer for a U.S. newspaper, writes so interestingly in your excellent expressions!

We most try, as usual, to go to the U.S. to get my son enrolled in college. My god, how time passes I will be 78 age. My health is so - so - heart problem. We are looking forward to seeing you in June. It will remind of us of Inthanon!!

Enjoy the articles on my favorite foreign land. When you see my good friend prince Bhisatej, please ask him to extend my sympathy to the wonderful King on the loss of his mother, I hope the Thai people appreciate what a wonderful leader they have. I was so proud of him when he stopped the fighting which be called of Bangkok of course of years ago.บรรทัดนี้อ่านไม่ออก เพราะลายมือที่เขียนมาเริ่มไม่เป็นตัวหนังสือ อ่านยาก มาก ...I tell people all over the world that King of Thailand is the world's greatest Leader!!

Wish we had a larger house when you come in stead it is a small 2 bedrooms -.....

With all good wishes to your family, I am as always a good friend.

DW Fishler

Dear SanGuan

I just returned from hospital - had a heart problem. Hope I am still here when you arrive ?? So goes life ?? I won't be able to escort you around Rome unless I feel better.

Best Wishes - D.W. Fisher

Dear Dr. Fishler:

This will be a very important letter in my life so I will keep it in my memoirs of the days while I was with the Royal Project. I retyped your letters in the memoirs and requests your approval to do this since they will be attached in the booklet.

I have retired last April 30, 1996. Fortunately, I will be eligible to get immediate annuity. So, I am glad that the USG knows how much I kept good work for them. The USG should know how much I paid and shared the experiences to enhance the government's operations here.

This booklet would be given to some of my good friends who used to work with me at the Royal Project. It will be a booklet describes how the HARCC initiated and how it worked. You were the one with us in the northern highlands during the decade of 1975-78. I really appreciated your support and you were the one who made our research program possible.

My family and I will remember the days you were with us here. Ann, Oak still remember you when they saw the picture at Inthanon Peak when Oak was only one year old. It was 19 years ago. Oh, God, how time goes too fast, unbelievable.

I've seen this country for 56 years, a half year in the US. That's all life! I have served the land I 's born and enhance the mother earth by conserving the trees and forest around my farm. I trained the young people to keep forest green and protect the soil for plants. Wildlife and nature are the main topics I activate other people to concern. Growing trees and less use of natural resourcres should be awareness by all people. I am enjoying to plant the trees and see the forest green around my farm. John Muir Indicated that "the best way into the Universe is through a Forest Wilderness".

My wife, ajarn Sawat dedicates herself teaching young people to understand the nature and how the nature treats the people around. The young environmentalists camp is her most active program at our farm during October to March. We already had trained more than 350 boys and girls on ecosystem and wildlife. We will continue our effort to save our planet.

I wish I could be able to meet you soon. You know how I feel after I retired. It was great that I joined the CSR 29 years ago.

Best Regards,

Sanguan Chantalay

May 28, 1996



Vipata B. Wangsai, D.W.Fishler, Prince Bhisatej Rajani



Pangfan Nature Observation Farm

(PNOF)

The first non-profit private farm organized for nature study

PNOF is located at Maelao village, Moo 5, Tambon Papae, Amphoe Mae Taeng, Chiang Mai, Thailand. 'Maelao Village and PNOF are situated inside the Maelsao-Macsae Wildlife Sanctuary.

Topography:

PNOF site is in Maelao valley surrounded by mountainous ranges 680-810 meters above mean sea level. The weather is fine and cool during rainy season (May-Nov) and is foggy during cold season (Nov-Feb). The watershed area is covered with evergreen forest. Slash and burn farming area can be seen in some parts of the mountains and after cold season

the forest starts to get dry. The villagers' main cash crop is "Ming" tea. However, growing fruit trees such as mango, peach, apricot, and flowering plants have been introduced in to the valley. Wild animals can be seen often in the wilderness. Many migratory birds can be watched at the beginning and end of cold season.

How to get to the PNOF:

From Chiang Mai City, drive on highway #107 to Mae Malai. At Km37, turn left to Mae Hong Son on highway #1095. Drive to Km 43, and turn left at Ban Maelao. You will meet the PNOF on the Maelao creek. It takes 90 minutes driving from Chiang Mai to PNOF on the paved road, 80 kilometers north of Chiang Mai.

PNOF is established to:

Improve eco-system of the forest where the slash and burn farming had been practiced before by villagers.

Maintain a good relations between the nature and villagers that they are compatible to each others.

Extend environmental conservation and keep the wilderness green as they are.

The natural trees will be taken care and more forest trees will be planted every year. PNOF provides training courses annually for students about environmental study in order that they may become young environmentalists in the future.

Young Environmentalist Camp

(YEC)

Who can attend the training course?

To train young people to understand the problems of nature and the environment.

To encourage responsible action in young people so that they may take action appropriately to improve the current environmental situation.

To exchange idea, and participate in operations that will conserve our natural resources and our environment.

Who can attend the training course?

Boys and girls between 10-18 years old can apply for the training at the camp. Forty youngsters are welcome at each workshop. Six workshops will be conducted each year.

What you will do at the camp?

Discuss and exchange ideas among young environmentalists.

Trek into the wilderness and get your own experiences.

Live well and enjoy the good times with the songs and games.

Become a young environmentalist.

You get more than what you pay for.

You pay only for your transportation, food and nature trail booklet, you are not allowed to bring with you any alcoholic drinks, radio, music tapes, or cartoon books. Playing cards is not authorized and you are requested to be quiet after bed time.

What you should bring with you?

Garments for 3-4 days, warm sleeping clothes, jacket, shoes, shorts, pencil and light torch.

You are required to work and stay with individual group and do daily works i.e. cooking and cleaning the camping area. You will meet nice friends and discuss wilderness situations with environmentalists from Yuparj School, the Wildlife Sanctuary Center, Walk for a Better Environment Group and experts from the Chiang Mai Bird Watching Group, Peace Corps volunteers and others.

PNOF Administrative Staff

Camp director: Sawat Chantalay

Head Counselor: Naksit Pongsopa

Activity Director: Jaru Chutima

Supenintendent: Sanguan Chantalay

Special Advisors:

Chief of Maelao-Maesac Wildlife Sanctuary.

Chief of Suthep-Pui Nature Study Station.

Northern Environment Office

Chiang Mai Bird Watching Group

Nature Interpretation Center

Walk for a Better Env Group

Peace Corps Volunteers

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Mailing address.

(Liaison Office)

146 Moo 2, T.Donkaew

Mae Rim, Chiang Mai

Thailand 50180

Tel(053) 297397, 211746

eMail: pnof@ds90.intanon.nectec.or.th

PNOF Address.

(Farm Site)

69 Moo 5, Tambon Papae

Amphoe Mae Taeng, Chiang Mai

Thailand 50150

You can support the Young Environmentalist Camp by donate money to the PNOFsa

YEC fund account: Bangkok Bank Co.Ltd. Nakornpink Branch #252-4-245-917

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Updated: April 1996

REVISED EDITION FOR WEBPAGE AT WWW.PANGFAN.ORG

JUNE 13, 2008

June 9, 2008

I was called by a group of Maejo alumni working at the Royal Project Foundation requested me to share field work experiences. The workshop will be held on June 24, 2008 at PhuCom Chiang Mai Hotel.

I accepted the invitation and will join the seminar.

The revised edition of this memoir would be post on the www.pangfan.org Webpage.

The photos of the Royal AngKhang Research Station would be displayed on the web.

Sanguan Chantalay



February 19, 2008