

OFFICE MEMORANDUM

July 6, 1972

TO : Mr. Hunter Fitzgerald, A/Chief, EDU *Lucius Butler*

FROM : Lucius Butler, Chief of Party, University of Hawaii Team

SUBJECT: Secondary Education Monthly Report, June, 1972

Problems

There are no significant problems to present this month although work continues in the area of maintenance, inventory and equipment control. Research as to Lao regulations of the Ministry of Finance, Ministry of the Plan and the Ministry of Education are currently underway.

Progress

1. Air conditioning for Curriculum Office

I wish to report, with joy, that the four Fedder's air conditioners purchased under PIO/C 439-064-0-20346SE have arrived and are now operating in the two rooms used by the Hawaii team and their Lao counterparts.

Installation was assisted by USAID/MTE and we are pleased that efforts of the past months has resulted in better working conditions for the six American advisors, their Lao counterparts and three Lao USAID employees. This completes action on problem #1 of the April report.

2. Construction Projects

The report of progress is based on the June 30, 1972, percentage of completion for total projects as well as individual buildings of each project.

<u>Phone Hong</u>	<u>Phase 1-3</u>	<u>Phase 4 June</u>
1. Classroom Building A	100%	
2. Classroom Building B		73%
3. Toilet Building A	100%	
4. Toilet Building B		60%
5. Science Building	100%	
6. Agriculture Building		76%
7. Greenhouse & Nursery		77%
8. Shop Building A	100%	
9. Shop Building B		75%
10. Auditorium	100%	
11. Home Economics		68%
12. Fence and Civil Work		80%
Total Project	100%	76%

The irrigation reservoir has been filled with water during recent rains with promise of serving agriculture water needs for several months of the school year.

<u>Savannakhet</u>	<u>June</u>
1. Classroom Building A	74%
2. Classroom Building B	
3. Toilet Building	100%
4. Science Building	100%
5. Agriculture/Home Economics	100%
6. Auditorium	100%
7. Shop Building	58%
8. Greenhouse & Nursery	100%
9. Farm Equipment Building	100%
10. Fence and Civil Work	52%
Total Project	75%

The procurement of 75 concrete power poles in Vientiane and shipment by barge to Savannakhet has been accomplished. The EDL should be able to provide power to the school site by October, 1972.

The reservoir for agricultural water designed and constructed by USAID/PWD and AGR has already filled to capacity and shows promise of meeting the agricultural instructional requirements for a few months of the present school year.

<u>Luang Prabang</u>	<u>Phase 1</u>	<u>Phase 2</u>	<u>Phase 3</u>
	<u>June</u>		
1. Classroom Building A		15%	
2. Classroom Building B			X
3. Toilet Building	100%		
4. Science Building	100%		
5. Agriculture/Home Economics	100%		
6. Auditorium			X
7. Shop Building		11%	
8. Greenhouse and Nursery		0%	
9. Farm Equipment Building		0%	
10. Fence and Civil Work	76%	30%	X
Total Project	96%	24%	

The procurement of 43 concrete power poles and necessary installation hardware for EDL installation of power to the school site has been completed. It should be possible for EDL to accomplish their agreement by the beginning of the school year in October, 1972.

### 3. Textbook Production

The status of textbooks for grades 7 through 12 as of 30 June 1972 is given by subject area. Step numbers of "in process" texts are from 1 to 12 as follows:

1. Gather resources
2. Choose units and write text outline
3. Adapt technical words
4. Choose illustrations
5. Write or translate verbal materials
6. Receive Ministry of Education approval
7. Copy, adapt or create visuals
8. Prepare rough layout
- 9A. Type rough draft stencil for mimeograph
- 9B. Type finished photo-ready pages
10. Check entire content of book
11. Final style check
12. Submit to USAID/EDU for submission to USAID/CM

Items marked with an asterisk\* have been delivered from the printer during the past six months.

### Lao Language and Literature

- Grade 7 - Language and Literature, 120 p, 6,000 copies
- Grade 8 - Language 210 p, 6,000 copies
- Grade 8 - Literature 265 p, 6,000 copies
- Grade 9 - Language, in process, Step 11
- Grade 9 - Literature, in process, Step 12
- Grade 10 - Language and Literature, in process, Step 10
- Grade 11 - Language, in process, Step 2
- Grade 11 - Literature, in process, Step 2
- Grade 12 - Language, in process, Step 1
- Grade 12 - Literature, in process, Step 1

Social Studies

- Grade 7 - Southeast Asia and Laos, 135 p, 6,000 copies
- Grade 7 - Lao Government, in process, Step 12
- Grade 8 - Asia, Europe, etc., 282 p, 6,000 copies
- Grade 9 - America, etc., in process, Step 9A
- Grade 9 - Australia, in process, Step 6
- Grade 9 - New Zealand, in process, Step 5
- Grade 10 - Africa, in process, Step 5
- Grade 10 - Middle East, in process, Step 5
- Grade 11 - Asian Studies, in process, Step 2
- Grade 12 - Western World and Asia, in process, Step 1

Science

- Grade 7 - General Science, 137 p, 6,000 copies
- Grade 8 - Part I Animals and Plants 108 p, 6,000 copies \*
- Grade 8 - Part II Intro/Chemistry 96 p, 6,000 copies \*
- Grade 8 - Part III Intro/Physics 120 p, 6,000 copies \*
- Grade 8 - Part IV Astronomy 60 p, 6,000 copies \*
- Grade 9 - Part I Chemistry 154 p, 6,000 copies \*
- Grade 9 - Part II Physics 204 p, 6,000 copies \*
- Grade 9 - Part III Geology 32 p, 6,000 copies \*
- Grade 10 - Biology, in process, Step 5
- Grade 11 - Chemistry, in process, Step 2
- Grade 12 - Physics, in process, Step 1

NOTE: Grade 11, Chemistry, curriculum and textbook will be revised and implemented in conjunction with the UNESCO Science/Math Team working at the College of Education during the next school year. Several B.A.-level students will be serving as intern-teachers at Fa Ngum school in Vientiane to experiment with a special "unit" approach using "fiche" prepared originally in French and translated into Lao for use in the cooperative curriculum project

Mathematics

- Grade 7 - General Mathematics, 101 p, 6,000 copies
- Grade 8 - Introduction to Algebra 208 p, 6,000 copies
- Grade 9 - Geometry, in process, 313 p, Step 12
- Grade 10 - Algebra, in process, Step 5
- Grade 11 - Advanced Algebra/Geometry, in process, Step 2
- Grade 12 - Trigonometry, in process, Step 1

NOTE: Grade 11, Advanced Algebra and Geometry, curriculum and textbook will be revised and implemented in conjunction with the UNESCO Science/Math Team working at the College of Education during the next school year. Several B.A.-level students will be serving as intern-teachers at Fa Ngum school in Vientiane to experiment with a special "unit" approach using "fiche" prepared originally in French and translated into Lao for use in the cooperative curriculum project.

### Business

- Grade 7 - Business Orientation, 51 p, 5,000 copies
- Grade 8 - General Business, 134 p, 3,000 copies
- Grade 8 - Lao typing, 128 p, 1,000 copies
- Grade 9 - Business Mathematics, in process, Step 5
- Grade 9 - Abacus, 143 p, in process, Step 12
- Grade 9 - Adding Machine Operation, in process, Step 4
- Grade 9 - English Typing, 147 p, 2,000 copies
- Grade 10 - Clerical Accounting, in process, Step 4
- Grade 10 - Advanced English Typing, in process, Step 11
- Grade 10 - Advanced Lao Typing, in process, Step 5
- Grade 11 - Business Law, in process, Step 1
- Grade 11 - Accounting I, in process, Step 11
- Grade 12 - Office Practice, in process, Step 3
- Grade 12 - Accounting II, in process, Step 6

### Home Economics

- Grade 7 - Home Economics Orientation, 56 p, 5,000 copies
- Grade 8 - Foods and Nutrition, 165 p, 3,000 copies
- Grade 9 - Clothing and Textiles, 146 p, in process, Step 12
- Grade 10 - Child Care & Family Planning, in process, Step 5
- Grade 10 - First Aid and Health, in process, Step 2
- Grade 11 - Advanced Clothing & Nutrition, in process, Step 2

### Industrial Arts

- Grade 7 - Industrial Arts Orientation, 91 p, 5,000 copies
- Grade 8 - Mechanical Drawing, 182 p, 3,000 copies \*
- Grade 9 - General Woodworking, 216 p, in process, Step 12
- Grade 10 - General Metalworking A, in process, Step 7
- Grade 10 - General Metalworking B, in process, Step 7
- Grade 11 - Electricity and Electronics process, Step 5
- Grade 11 - Laboratory Manual, in process, Step 5
- Grade 12 - Small motor mechanics, in process, Step 1
- Grade 12 - Engineering Drafting, in process, Step 1
- Grade 13 - Power Mechanics, in process, Step 1
- Grade 13 - Architectural Drafting, in process, Step 1

Agriculture

Grade 7 - Agriculture Orientation, 140 p, 5,000 copies

Grade 8-10 - Plant Production, 178 p, 2,000 copies\*

Grade 8-10 - Field Crops, 245 p, in process, Step 12

Grade 8-10 - Mimeographed Unit Texts, Step 9A

1. Chicken Production, 58 p, 170 copies
2. Duck Production, 62 p, 170 copies
3. Fish Production, 43 p, 170 copies
4. Coffee Production, 34 p, 170 copies
5. Quail Production, 29 p, 65 copies
6. Swine Production, 86 p, 170 copies
7. John Deere Tractor, 84 p, 170 copies
8. Soils and Fertilizer, 86 p, 170 copies

Grade 11 - Mimeographed Unit Texts Step 9A

1. Plant Nutrition, 30 p, 170 copies
2. Animal Nutrition, 46 p, 170 copies
3. Plant Parasites and Diseases, 54 p, 170 copies
4. Animal Parasites and Diseases, 55 p, 170 copies
5. Processing and Marketing, 38 p, 170 copies

Grade 12 - Mimeographed Unit Texts Step 9A

1. Plant Breeding, 32 p, 170 copies
2. Animal Breeding, 20 p, 170 copies

Grade 13 - Mimeographed Unit Texts Step 9A

1. Extension and Rural Development, 32 p, 170 copies

3. Curriculum Implementation

Hawaii team curriculum advisors and Vientiane administrative personnel have assisted the Hawaii team advisors and RIG directors at the project schools at Phone Hong, Savannakhet and Luang Prabang in various aspects of building utilization and curriculum implementation. During the period from April 1 through June 30, 1972, Hawaii team staff from Vientiane visited the following project schools:

<u>Date</u>	<u>Phone Hong</u>	<u>Savannakhet</u>	<u>Luang Prabang</u>
4/4	L. Butler J. Rantala H. Blake		
4/11-14			I. Kumabe
4/25-26			F. Wong
5/3		L. Butler J. Rantala	
5/5	L. Butler		
5/4-8		H. Blake	
5/4		F. Wong	
5/9			L. Butler
5/23		L. Butler	
5/26	J. Fultz F. Ling		
5/30-6/2			J. Fultz F. Ling
6/12-14		J. Fultz F. Ling	
6/12-16	J. Rantala		
6/21-23	I. Kumabe		
6/22-24		J. Rantala	
6/26		H. Blake	
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Totals (4/1-6/30)	8	9	5

#### 4. Staff Movements

The Hawaii contract team staff has had several changes and movements during the month.

Dr. Leslie Allen, science advisor, arrived in Vientiane on 30 June with his family and are quartered in Salakoktane #17, telephone: 6659.

Mr. Hartwell Blake, agriculture advisor, returned from a highly successful visit to IRRI in the Philippines. A report of his visit is on file in EDU/SE.

Mr. John Rantala, procurement officer, left for home leave on 30 June and plans to return to Vientiane on 4 September, 1972.

Mr. Francis Wong, Savannakhet field advisor and mathematics curriculum advisor returned from home leave on 1 July.

Mr. William Rankin, industrial arts advisor, returned from R&R leave on 21 June.

Miss Dorothy Heisie, home economics advisor, returned from R&R leave on 23 June.

Mr. Stanley Yoshimoto, Savannakhet field advisor took a short vacation June 1 through 8 in-country. He will depart post on 8 July for end-of-tour termination.

Mrs. Khamsouk, editorial supervisor, has been engaged full-time in the Supervisory - Management II course at USAID/HRDD/LT during the entire month.

#### 5. Career Ladder Implementation

The basic concept underlying the "career ladder" program of participant training is providing "degree-earning" opportunities to experienced teachers on the basis of service already rendered to the Royal Lao Government Ministry of Education. The same basis is used to recommend short-term participants to the regional centers.

Five teachers were chosen for third-country scholarships of one and two years from the Fa Ngum school staff. These were:

1. Mr. Touan Nanda, B. Ed, for one year of graduate study in guidance and testing. Mr. Touan has served as chairman of the industrial arts division and recently as acting director of studies.
2. Mr. Bouathong Norasith, Grade 13 graduate, for two years study in social studies to earn an Associate degree. Mr. Bouathong has taught at Fa Ngum for three years.
3. Miss Lasoy Traymany, Grade 10 graduate, plus several years of auditing courses in Thailand, for two years initial study to earn a teachers certificate in home economics. She has taught home economics at Fa Ngum for five years.
4. Mr. Bang Khamphay, Grade 13 graduate, for two years study in agriculture education to earn an Associate degree. Mr. Bang has taught for four years and was division chairman.
5. Mr. Vanchai Rintharany, A.A. for two years in Business Education to earn his Bachelor's degree. Mr. Vanchai was chairman of the business division and has taught at Fa Ngum for five years.

Four experienced teachers have been chosen to attend regional centers of the Southeast Asian Ministers of Education Organization (SEAMEO) for short courses.

The Regional Center for Science and Mathematics (RECSAM) in Penang, Malaysia, gave valuable training to two Fa Ngum science teachers:

1. Mr. Savang Vithaxay, B.A., who has taught at Fa Ngum for three years and is science division chairman.
2. Mr. Daovong Norasing, A.A., who has taught at Fa Ngum for five years in the science division.

The Regional English Language Center (RELC) in Singapore, will provide four months of intensive training in teaching English as a foreign language to two other Fa Ngum teachers:

1. Miss Inkhian Viravong, B.A., English, social studies and guidance counselor at Fa Ngum school for one year.
2. Miss Maniphanh Na Champassak, B.A., English and Business teacher at Fa Ngum school for two years.

Both of these SEAMEO training centers use English as the language of instruction which requires interested teachers to expend considerable time and energy to obtain sufficient mastery of the English language prior to acceptance.

Two school directors are currently completing Master of Education degree programs in educational administration at the University of Hawaii:

1. Mr. Somsak Saythongphet, B.S. in science education, who has taught science and served as director of studies and director of Fa Ngum, Vientiane, for four years.
2. Mr. Hongthong Niravanh, B.A. has served as director of studies and director of Fa Ngum schools for four years.

It is anticipated that one or two school administrators will continue their career training each year until each of the six Fa Ngum school directors and director of studies has completed a course of study in educational administration or curriculum and guidance.

The shortage of trained staff makes the departure of these experienced leaders felt keenly. However, the professional growth and career development of each of these educators will mean even greater potential in the years ahead.

Participants, who have returned from Thailand and the United States in recent months, have moved into the vacancies to a large degree. These returned participants can look toward further career development after a period of successful teaching experience.

#### 6. Student Examination Results

Results of examinations for Grade 10 "Diplomas" and entrance to Upper Secondary level ("Second Cycle") Grade 11 for this year (June 72) compared to the same information from last year (June 71):

<u>Item:</u>	<u>Year of Exams:</u>		<u>June 1971</u>		<u>June 1972</u>	
	<u>No.</u>	<u>Percent</u>	<u>No.</u>	<u>Percent</u>	<u>No.</u>	<u>Percent</u>
Entered Grade 10 in October	86	100%	101	100%		
Passed "Diploma" exam	80	93%	89	89%		
Promoted to Grade 11 automatically*	20	25%	27	30%		
*(on basis of GPA of 2.80 or better)						
Took Grade 11 entrance exam	60	100%	58	100%		
Passed Grade 11 entrance exam	40	66%	41	70%		
Students promoted to Grade 11	60	69%	68	68%		
Students to repeat Grade 11	0		8			
Total students in Grade 11	60		72			

The increase of students finishing grade 10 has carried through in promotion to grade 11 by various means. It should be noted that these first two groups of Fa Ngum students have been handicapped by a lack of completed textbooks and generally inexperienced teachers.

#### 7. School Staff Utilization Study

A follow-up to the attachments of the May monthly report are the two pages of excerpts from Royal Order No. 32 (2/23/61) which fixes the number of hours per week which are required for teachers of various civil service ranks. (see attachment).

In general, the B.A. (Xanh Ek rank) teachers are required to teach only 18 to 20 hours per week. Teachers with A.A. and high school (grade 13) degrees teach a few more hours per week. Obviously, any change in this situation requires an amendment to this Royal Order.