

DEPARTMENT OF THE AIR FORCE  
HEADQUARTERS PACIFIC AIR FORCES  
APO SAN FRANCISCO 96553



REPLY TO  
ATTN OF: DCEMU

8 September 1966

SUBJECT: Report of Staff Visit, Philippines, Taiwan and Okinawa

TO: 5AF (DCE/SG) (2)

13AF (DCE/SG) (2)

1. Attached for your action is a Report of Staff Visit to Philippines, Taiwan and Okinawa, conducted by a Civil Engineering representative from this headquarters during the period from 7 August 1966 to 24 August 1966.
2. A reply to the attached Report of Staff Visit is not required unless exception is taken to the recommendations contained therein.

FOR THE COMMANDER IN CHIEF

*Alfred Kaufman*  
ALFRED KAUFMAN, Colonel, USAF  
Director of Operations & Maintenance  
DCS/Civil Engineering

1 Atch.  
Rprt of Staff Visit (Philippines,  
Taiwan and Okinawa)

Cy to: 636 Cmbt Spt Gp (2)  
John Hay AB, Phil. (2)  
6213 Spt Sq (2)  
6214 Spt Gp (2)  
6217 Cmbt Spt Gp (2)  
51 Cmbt Spt Gp (2)  
824 Cmbt Spt Gp (2)  
5th Epidemiological Flight (2)  
U. S. Army Medical Lab (2)

RECEIVED SEP 20 1966



DEPARTMENT OF THE AIR FORCE  
HEADQUARTERS PACIFIC AIR FORCES  
APO SAN FRANCISCO 96553



REPLY TO  
ATTN OF: DCEMU

8 September 1966

SUBJECT: Report of Staff Visit (Philippines, Taiwan and Okinawa)

TO: DCE

1. During the period 7 August 1966 through 24 August 1966, a technical assistance visit was made to the following bases in the Philippines, Taiwan and Okinawa:

- a. Subic Bay, Philippines  
Public Works Center
- b. Clark AB, Philippines  
Headquarters 13th Air Force  
636 Combat Support Group
- c. John Hay AB, Philippines  
Det 3 Base Civil Engineer
- d. Taipei AS, Taiwan  
6213 Support Squadron
- e. Tainan AS, Taiwan  
6214 Support Group
- f. Ching Chuan Kang AB, Taiwan  
6217 Combat Support Group
- g. Naha AB, Okinawa  
51 Combat Support Group
- h. Kadena AB, Okinawa  
824 Combat Support Group
- i. Hq U.S. Army, Ryukyu (Liaison visit)


j. U. S. Army Medical Laboratory, (Liaison visit)

The purpose of this visit was to participate in a joint Navy-Air Force Pest Control Conference and also to review base programs and assist individual bases with establishment of safer and more effective programs.

2. Member conducting the visit: Mr. Walter W. Barrett, GS-13, Command Entomologist.

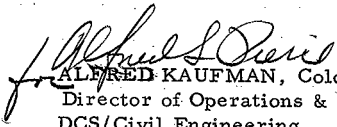
3. Attached is a report of this visit:

- a. Item #1, Certification of Pest Control Personnel
- b. Item #2, Pest Control Chemicals
- c. Item #3, Pest Control Equipment
- d. Item #4, Termite Control Procedures
- e. Item #5, Roach Control Procedures
- f. Item #6, Microscopes for Pest Control Shop
- g. Item #7, Manning for Pest Control Shop
- h. Item #8, Herbicides

  
WALTER W. BARRETT  
Entomologist, Structural Branch  
Facilities Division

1 Atch  
Rprt of Staff Visit (Philippines,  
Taiwan and Okinawa)

APPROVED:

  
ALFRED KAUFMAN, Colonel, USAF  
Director of Operations & Maintenance  
DCS/Civil Engineering

Item #1: (Unclassified) (Philippines, Taiwan and Okinawa)

**SUBJECT:** Certification of Pest Control Personnel

1. Certification of Air Force personnel attending the Subic Bay course will be based upon tests given at the conclusion of the course. Certificates will be forwarded at a later date to those personnel who successfully complete the identifications and the written phases of the tests.
2. All Taiwan U.S. Air Force personnel engaged in pest control are presently certified.
3. Okinawa certifications are valid until October 1966. Due to language problems, translation will be necessary. So, Japanese versions of the PACAF tests should be requested from Headquarters 5th Air Force. English translations should be provided and exams forwarded through command channels as outlined in PACAF Supplement 1 to AFR 91-21. Certification of personnel at remote sites can be accomplished after on-the-job training plus completion of the forthcoming Army Pest Control Conference in late 1966 or by successful completion of the tests available to Headquarters 5th Air Force and procedures outlined in the PACAF Supplement 1 to AFR 91-21.

**RECOMMENDATIONS:**

1. Forward AF Forms 483 to personnel who successfully completed Subic Bay tests.
2. Follow procedures outlined in PACAF Supplement 1 to AFR 91-21 for initial certification and for recertification.

**ACTION:** Hq PACAF (DCEMU); Hq 5AF and Bases.

Item #2: (Unclassified) (Philippines, Taiwan and Okinawa)

**SUBJECT:** Pest Control Chemicals

**DISCUSSION:**

1. Literature on various products was distributed at the conference and all bases visited. This action is designed to keep sections informed on some of the newer chemicals now available for pest and weed control plus informing medical departments on toxicity data, safe handling rules and other use data.
2. All pest control sections should have use and toxicity data on chemicals in the shops inventory. Usually a postcard to the basic manufacturer (not the formulator) will be adequate.

**RECOMMENDATIONS:**

1. Supervisors should keep abreast of newer chemicals by reviewing magazines in this field ("Pest Control", "Mosquito News", other technical journals, etc.).
2. Secure use data and toxicity data for all chemicals on hand in shop.

**ACTION:** Base

Item #3: (Unclassified) (Philippines, Taiwan and Okinawa)

SUBJECT: Pest Control Equipment

DISCUSSION:

1. Termite control tools were generally adequate, but none of the bases visited had the electric hammer listed in T/A 479 (5130-083-5082). This unit can drill, drill plus hammer, drill plus hammer plus rotate so it can penetrate concrete faster than straight drilling. Some bases ordered this unit but received a pneumatic drill instead.
2. All bases were aware of T/A 479 allowances, but many were not familiar with note codes at end of this document. These must be considered since allowances may be denied if the note codes aren't being used. For example, Note Code C will require an explanation why 3740-351-9203 is inadequate. (Usually this can be covered by stating that this unit lacks a mechanical agitator and can not be used to disperse wettable powders.)
3. Supervision should check out personnel on use of T/As plus use of stock catalogues. The T/A description is brief while the stock catalogue description is more detailed.

RECOMMENDATIONS:

1. Procure necessary termite tools as well as other necessary items. If necessary, attach a circular describing the item desired. For example, 5130-003-5082 is stock-listed as a Skil Company Model 726 unit, use a Skil Company Model 726 brochure to describe what you need.
2. Review note codes.
3. Review T/A and then look up item in stock catalogue.

ACTION: Base

Item #4: (Unclassified) (Philippines, Taiwan and Okinawa)

**SUBJECT:** Termite Control Procedures.

**DISCUSSION:** Standard termite control procedures are available in AFM 85-22 since these are what contract technical provisions call for. Variations in amounts are required when experience shows that results are not secured. For Okinawa, increasing the rate for chlordane from 1% to 2% and decreasing the on-center drilling distance from 36" to 18" or 12" is required. The application rate of 1-1/2 gallons per ten square feet should be increased to 3 gallons per ten square feet as a means of reducing termite damage.

**RECOMMENDATIONS:**

1. Increase the percentage of chemical, increase the application rate and decrease the O. C. distance where experience indicates need for better control.
2. Provide "Pest Control" subscriptions as articles will be of value to all personnel for better termite control as well as other phases of pest control.

**ACTION:** Base

Item #5: (Unclassified) (Philippines, Taiwan and Okinawa)

SUBJECT: Roach Control Procedure

DISCUSSION:

1. Use of any of the available liquid organic phosphates (Diazinon, Korlan or "Ronnel", Dibrom) or the carbamate Baygon in conjunction with adequate sanitation should provide excellent roach control.
2. Small one-gallon stainless steel sprayers (FSN 3740-020-4260), bulb dusters (FSN 3740-994-3745), bellows dusters (FSN 3740-994-3746) and pyrethrin aerosols (FSN 6840-823-7849) should be available for good roach control. Use the sprayers to put a residual spray along areas such as mop boards, in corners, etc. Use the dusters (with 2% Diazinon dust) behind appliances, around electrical fuse cabinets, etc. where sprays are not safe to use and use the aerosols to locate hiding places of roaches as it will "flush" roaches very readily.

RECOMMENDATIONS:

1. Follow label directions on pesticides, secure data sheet from manufacturer, use good sanitation practices, follow 3 or 4 week cycle in dining areas, clubs, etc. and 90-day cycle for quarters where occupants can't secure control.
2. Procure necessary tools and chemicals.
3. Approval of the Command Surgeon has been secured for Diazinon 4E emulsifiable concentrate, Korlan, Baygon and Dibrom per their coordination on this report.

ACTION: Base

Item #6: (Unclassified) (Philippines, Taiwan and Okinawa)

SUBJECT: Microscope for Pest Control Shop

DISCUSSION:

1. None of the bases visited had the capability of identifying economic pests.
2. A microscope is available in T/A 479, but a stock number change occurred. Attachment 1 to this item clarified the situation.
3. After reference collections are available (a collection of previously determined specimens identified by a qualified taxonomist), routine identifications of medical pests may be made by local personnel.

RECOMMENDATIONS:

1. Procure microscope where necessary to identify economic pests.
2. Establish reference collection by arranging with 5th Epidemiological Flight or U. S. Army Medical Laboratory (Ryukyus) for identified specimen.

ACTION: Base.

RECEIVED SEP 20 1966

DEPARTMENT OF THE AIR FORCE  
HEADQUARTERS PACIFIC AIR FORCES  
APO SAN FRANCISCO 96353



REPLY TO  
ATTN OF DCEMP

27 DEC 1965

SUBJECT: T/A 479 (Nomenclature and BOI)

TO: DMSE

1. A review of Section B, T/A 479 reveals that minor improvements in nomenclature and basis of issue would be of value to personnel using this allowance document.
2. Revision and posting of changes to the DOD 3740 catalog are not always current for many items in T/A 479. Accordingly, request following items be considered in next publication of this T/A.

<u>Stock Number</u>	<u>Description</u>
3740-021-0152	Power sprayer (mist type) and duster, Model FS, Mfr. Code desirable.
3740-062-0928	Pump, termite, electric, heavy duty, Model 102, Mfr. Code desirable.
3740-607-0337	Trap, mosquito, light. Change Column A and B to allow 4 traps per base as most survey entomologists recommend sampling housing, flightline, shops and recreation areas as a minimum standard to determine mosquito populations.
3740-625-9989	Change 40 gpm to 40 gph as this is the actual fogging rate of this unit. Model number and Mfr Code data would be helpful.
3740-813-0518	Back-pack, portable sprayer-duster, Model No. and Mfr. Code desirable. (This item is described below, changing from a foreign unit to a domestic unit).
3740-819-1988	Spelling errors - Injector, sub-slab, 3/4 inch, w/gun jet shut-off.
5130-083-5082	Include Mfr. Code.
6230-643-3562	"Lantern" instead of "Laterna."

6650-530-0021

Microscope, stereoscopic, with Nicholas illuminator. Model No., Mfr. Code. (Existing unit is Bausch and Lomb, Model No. 73, which is no longer being manufactured according to their Newark representative. Unit which will be satisfactory is a Bausch and Lomb, Model BVB-73, objectives 0.7X to 3.0X, catalog numbers 31-26-20-73 and Nicholas illuminator with adjustable intensity, catalog numbers 31-33-53.

3. Reference 3740-813-0516, the back-pack sprayer-duster currently cataloged is of foreign manufacture. The US-made unit, MITY Mite by Buffalo Turbine Company, Gowanda, New York, is now available and is an excellent unit. It is, therefore, recommended that this domestic unit be substituted for the foreign-made unit.

*Alfred L. Pierce*  
ALFRED L. PIERCE, Colonel, USAF  
Chief, Plant Operations Branch  
Directorate of Civil Engineering

HEADQUARTERS  
PACIFIC AIR FORCES  
UNITED STATES AIR FORCE  
APO 953, San Francisco, Calif



REPLY TO  
ATTN OF **DMSES**

SUBJECT **Correction of FOI and Nomenclature (TA 479)**

TO: **MOAMA (MONTE)**

1. The attached is forwarded for your information and action as necessary.
2. Other remarks:

FOR THE COMMANDER IN CHIEF

1 Atch

PACAF DCEMP Ltr, dtd 27 Dec 65.

RECEIVED SEP 20 1966

Ltr, Hq PACAF (DMSSES), 4 Jan 66, Correction of BOI andomenclature  
(TA 479)

1st Ind. (MONSE-9)

14 January 1966

Hq MOAMA, Brookley AFB, Ala 36615

TO: PACAF (DCEMP), APO San Francisco 96553

1. Action taken on subject request follows: FSN 3740-007-0337 has been changed to reflect four (4) each Columns A, B and C. 3740-625-9989 and 819-1988 corrected as indicated. 3740-813-0518 is manufactured by H. D. Hudson, Chicago, Ill. in accordance with C3740/50-IL-A CBI dated 1 July 1965. 6650-530-0021 has been replaced with 6650-893-3727.

2. To continue, 5130-083-5082 is manufactured by Skill Corp. and manufacturer's code will be indicated in April 1966 stocklist. FC 6230-643-3652 is deleted from TA 479 as an expendable item. Mfr Code for 3740-021-0152 and 062-0928 is indicated in current stocklists.

FOR THE COMMANDER

*Spiro S. Babalis*  
SPIRO S. BABALIS, Captain, USAF 1 Atch n/c  
Chief, Equipment Allowance Branch  
Materiel Services Division, D/MM

Item #7: (Unclassified) (Philippines, Taiwan and Okinawa)

SUBJECT: Manning of Pest Control

DISCUSSION:

1. Manning was reviewed at all bases visited. Time did not permit a detailed study at all bases but, Ching Chuan Kang was obviously under-manned with only two assigned airmen.
2. Manning was being considered at several bases on a square footage basis. This method is not accurate because of variable factors--climate, base location, local environment, medical pests which may be present or absent, age of buildings, condition of buildings and type of buildings.
3. Items which a shop should be doing should be evaluated and data gathered to support manpower requests. (Mosquito larviciding, mosquito fogging, termite inspection, termite control, roach control, training, administrative time, stored products pest control, wood preservation and related subjects should be included in any study.)

RECOMMENDATIONS:

1. Review manning at Ching Chuan Kang.
2. Manning criteria should be based upon factors other than square footage. Square footage can be a factor, but it should not be the only factor.
3. Evaluate what should be done as some shops are not manned for a complete program.

ACTION: Base.

Item #8: (Unclassified) (Philippines, Taiwan and Okinawa)

SUBJECT: Herbicides

DISCUSSION:

1. Herbicide literature was handed out at the Subic Bay conference and samples were mailed by Mr. F. Raymond Gross, Command Agronomist. (Application of materials is frequently assigned to pest control personnel because they have the sprayers and spraying experience.)

2. <sup>Publications</sup> Publications on herbicide usage apply as they do for other pesticides. If non-stock listed herbicides are used, request for their approval shall be forwarded per AFR 616-1.

3. Similarly, herbicides used should be "backed-up" by usage sheets from each manufacturer.

4. Sprayer listed in Section A, T/A 479 (3740-515-5064) should be used for weed killers while the same item listed in Section B, T/A 479 should be reserved for insecticides, to eliminate spray injury frequently caused by using the same sprayer for both materials.

RECOMMENDATIONS

1. Clarify placement of function for herbicide spraying.

2. Secure surgeon's approval of non-standard herbicides.

3. Secure data sheets on each product used.

4. Procure sprayer discussed above for herbicide usage, particularly when wettable powder materials or suspensions are used.

ACTION: Hq PACAF (DCEMU), Base