



FE 15/1/7/37/OR & A

Max 4966.

MEMORANDUM TO: Director, Project ARLDE, Advanced Research Projects Agency.

FROM: R. L. Hughes, Jr, RAC/ARPA Representative with FARELF.

SUBJECT: Semiannual Report for period 16 November 1965 to 15 May, 1966.

During the period 10 January to 24 February 1966, data on the characteristics of patrol operations in Borneo were collected by means of a proforma completed at the end of each patrol by the commander, supplemented by detailed interviews of a number of patrol commanders. These data will include information on such items as: patrol size, composition, duration, distance traveled, terrain covered, and equipment, weapons, and ammunition carried. A memo was recently forwarded to Chief G(CR & A) listing certain comments on equipment that were consistently mentioned by each visited company and platoon base. This program has provided an excellent opportunity to become thoroughly familiar with the characteristics of jungle operations as conducted by British troops. (The data analysis is being done without the assistance of other personnel because of the requirements for completing work on other current projects.)

During the week of 21 March a three day meeting was held at FARELF by the Quadripartite Technical Committee Panel (R4) on equipment requirements for counter-insurgency operations. Personnel participating in this meeting included Mr. Bayly Pike and Col Ward, UK; Brig Gen Boles, JRATA; Col Berkow and Lt Col Kenny, RDFU-T; Lt Col Brydie, AUS; Col Marston and Capt Savadkin, US; and representatives from G(CR & A), including the undersigned.

A visit was made to MRDC, Bangkok during the week of 18 April to discuss items of mutual interest. Subjects covered included infantry patrol equipment now in use by US forces (for comparison with equipment used by British troops), the characteristics of patrol operations in Vietnam (collected by Booz Allen personnel during their communication study), and the current status of the Junk "Blue Book" program. (The discussion on the "Blue Book" was a follow-on to a visit made to Kuala Lumpur on 10 - 11 January to meet Cdr Denham, RDFU-T, and discuss the program with personnel of the American Embassy; Commodore A.N. Dollard, Chief of Malaysian Naval Staff; and Superintendent Fitzpatrick, Royal Malaysian Police.)

While visiting MRDC, contacted personnel were asked whether there were any areas where coordination of effort might be improved or increased between MRDC and FARELF. Although some persons indicated that coordination could be improved, no specific areas for improvement were identified. A letter has been forwarded to the Director, COMUSMACV Field Unit - Thailand, requesting their further comments on this subject.

As a result of a request from COMUSMACV, a visit was made to Vietnam during the week of 2 May to furnish information on the use of tracker dogs and combat tracker teams by British troops in Borneo. Gen Westmoreland and personnel of



of his staff were briefed by the undersigned on 4 May. The briefing was favorably received and a program is being established to have the No.2 War Dog Training Unit, Jungle Warfare School, assist in forming combat tracker teams for US forces. This was the subject of discussions during a visit of Brig Gen A. E. Cowan, JRATA; Col M. G. Hatch, ACTIV; Capt W. G. Campbell, USARV; and Dr. D. R. Cotter, DCR & W consultant, on 10 - 12 May.

While in Saigon contacts were also made with personnel of the Military Attache's Office, British Embassy, and Headquarters Australian Army Forces. These contacts were with persons providing channels of communication and information between FARELF and activities of JRATA.

Other visits, visitors, and activities during this period were:-

1. 24 - 27 November. A visit was made to a unit in Borneo to deliver certain optical equipment for their use. During the trip the data collection program on patrol operations was finalized with personnel of COLLADEBOR.
2. 17 December. Mr. Holman, a member of the Research Establishment, again visited this office on 17 December after returning from a visit to Australia. Discussions were centered on possible means of estimating energy expenditure of patrols from the scheduled data collection program.
3. Messrs. E. T. Hooper and W. T. Hubbard from NOL arrived on 31 January to demonstrate a ferrous metal detecting device recently developed in their office.
4. During February two animal traps were received from RDFU-V and furnished for examination to the local government (via the Military Attache, American Embassy). ARPA/AGILE has been contacted to determine whether further information can be obtained on current developments in this field.
5. On 14 March Mr. George A. Martinez, RAC, visited FARELF to discuss the current activities of G(OR & A) and my participation in the branch's programs.
6. During the week of 26 April personnel of RDFU-T visited G(OR & A) to finalize plans for a pending joint vehicle mobility trial program to be conducted during August in Thailand. The final plans for this trial will be forwarded through appropriate channels for approval.

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