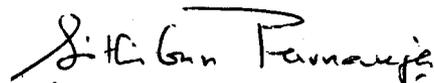


INTRODUCTION

Since the establishment of this Medical Research Institute in 1960, the efforts of the research scientists have been toward the improvement of major health and medical problems. The information obtained is directly or indirectly useful for both military operations and medical care of the people in this area. Although invaluable information has been consistently gained through the passing years, there is as yet incomplete understanding of many serious infections. An example is malaria. Clinical trials to investigate drugs useful for treatment and prophylaxis of *P. falciparum* malaria are urgently needed to cope with the existing drug resistant strains. Efforts are being made elsewhere to obtain an effective vaccine for malaria but basic understanding of the cellular immune mechanism is still incomplete. The present annual report, on the research studies during 1979 through 1980, which I am particularly pleased to introduce, describes the continued progress on malaria studies. I am hoping that the content of this report will serve as an enduring contribution to the health of the nations in this region.



SITHIBUN PURNAVEJA

Air Vice Marshal MC RTAF

Director General

Armed Forces' Research Institute
of Medical Sciences

INTRODUCTION

This Annual Progress Report presents the status of studies from October 1979 to September 1980. The studies reflect the collaborative relationships that the laboratory has developed over the years. The work reported here in large part was only possible because of the support, advice and generosity of members of the Thai scientific and military communities.

We would like to express our appreciation to the staff of the Bangkok Children's Hospital, the Bhamrasnaradura Hospital, the Royal Thai Navy, the Royal Thai Army, Mahidol University Faculties of Public Health and Tropical Medicine, Phra Mongkutklao Hospital, Phrabuddhabat Hospital, the National Malaria Eradication Program, Cholburi Provincial Hospital, and the others who helped make our efforts successful.

A handwritten signature in black ink, appearing to read "Michael W. Benenson", with a stylized flourish extending to the right.

MICHAEL W. BENENSON, M.D.

LTC, MC

Director, US Army Medical Component