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TERMINAL REPORT

To Director, USAID/Afghanistan

A.I.D.
Reference Center
Room 1600 NS

Submitted by: Jack Fajans

Period Covered: February 1, 1967 thru January 31, 1969

Date of Report: December 23, 1968

Jack Fajans

Jack Fajans, Assoc. Professor
U.S. Engineering Team

J E Nankivell

John E. Nankivell
Program Director
U.S. Engineering Team

It is the objective of Afghans and Americans to achieve in the Faculty of Engineering an undergraduate institute of technology of high standard which does not require substantial United States participation.

The salary of junior Afghan staff members barely pays for bread, tea, and cigarettes. Unless the salaries of junior staff members are trebled and the salaries of senior staff members doubled it will not be possible to achieve the stated objective.

In a terminal report (24 December 1964) at the close of an earlier term of service with the USET, I identified increased compensation for staff members as an activity or goal second only to training of participants. It is now more important than the sum total of other goals.

USAID and USET on the one side and Kabul University and the RGA on the other have worked together and made a substantial present success of the Faculty of Engineering. But the objective will not be attained unless salaries are improved.

During my two-year tour I taught courses in chemistry, mathematics, physics, and chemistry laboratory. I acted as advisor to Afghan staff members in the following programs:

a) Mr. S. Kazem -- in a successful program to discover a local Fuller's earth for vegetable oil purification equivalent to the material imported by the Spinzar and Dost oil mills.

b) Mr. M.M. Qureishee -- in a program of solar radiation measurements which culminated in a paper accepted for publication by a U.S. journal.

c) Mr. M.H. Nouri -- in a month long seminar program with speakers daily, mainly from external agencies.

d) Mr. S. Kazem and Mr. M.A. Aslami -- chemistry laboratory.

e) Mr. A. Emam -- the preparation of a proposal for evaluation of surface water quality.

In continuation of my personal research program I wrote and submitted to U.S. journals the papers, "Precision Through Error Generation" and "Algebraic Methods in General Chemistry".