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Fourth Six Month Report
Nebraska University Team
USAID Project 306-11-660-121

HIGHER EDUCATION --KABUL UNIVERSITY

Ref

Dr. R. E. Gibson
Chief of Party

Kabul, Afghanistan
March 1976-August 1976

Introduction

During the reporting period this project underwent an in-depth evaluation by representatives of KU, USAID, and the Nebraska Team. UNO Chancellor Ronald Roskens and Dean Thomas Gouttierre also participated.

It was concluded that the project was progressing well. Other than a decision to drop USAID's efforts in Agricultural Engineering and Mechanized Agriculture for the present, no major changes were recommended in the project design, nor the manner in which the project is being implemented.

The Project Appraisal Report for the Evaluation proposes Faculty of Engineering approval of the several new curricula designed under the Project by September 30, 1976. The report also proposes initiation of the previously approved Mechanized Agriculture program by March, 1977. Governmental approval of the By-Laws for the University Research Center was scheduled for October 30, 1976, or sooner. The University was asked to purchase additional livestock for animal research by August 31, 1976, and to start construction of a new poultry house and sheep and cattle barns by October 30, 1976.

The professional staff of the Nebraska Team changed during this period. In June, 1976, Dr. Marvin M. Johnson departed post due to illness. He is due to be replaced in September, 1976, by Dr. Norman F. Bolyea, who will fulfill Johnson's duties and will serve one-half time as advisor to CECSAR.

In August, 1976, Dr. Otis E. Cross departed post. He probably will not be replaced, as KU has decided not to stress programs in Agricultural Engineering and Mechanized Agriculture.

The project benefited considerably from the services of short-term consultants during this period. They were:

Dr. Jack A. Hill, Management Training (11 weeks)
Dr. Dale K. Hayes, Institutional Research (4 weeks)
Dr. Richard Lane, Quality of Programs (4 weeks)
Dr. R. E. Neild, Agricultural Climatology (6 weeks)
Dean Perry Rigby, Medical Education (1 week)
Dr. Paul Young, Medical Education (4 weeks)
Dr. Guy T. Haven, Medical Education (4 weeks).

The consultants in Medical Education were from the University of Nebraska Medical College and were funded by the World Health Organization. All other consultants were from the Omaha and Lincoln Campuses of the University of Nebraska, and were funded by USAID under the project.

A detailed account of project activities is contained in the following monthly summaries.

MARCH 1976

SIGNIFICANT ACTIVITIES

KU Administration and General

The first semester of the 1355 academic year¹ officially began on 22 March. Registration procedures and the amount of pre-planning for registration vary among the Faculties. Most classes will have started meeting by the end of the month.

New appointments to two key positions in the KU administration have occurred. Dr. Abdul Salam Azimi has replaced Anwar as Vice President for Academic Affairs and Dr. Zaamin Ali has supplanted M. Kassem Emam as Vice President for Business Affairs. Emam continues in the position of Director General for Administration, an added position he had held since becoming Vice President last year.

Final commodity orders were placed on March 30, just before the Pro/Ag deadline. Complete expenditure of project funds may not be achieved, since the USAID procurement office has insisted on very conservative estimates for shipping charges. Also, it may not be possible for vendors to fill some of the orders placed in recent weeks. Before submission of the final commodity order for the Central Administration, Professors Myers and Davis collaborated on a study to determine the feasibility of purchasing a new accounting machine. They determined that about \$12,000 would be required to replace the present machine with a modern version. Environmental requirements added to the cost. KU agreed to defer this purchase.

Curriculum Development

The Faculty of Letters and Humanities has adopted a 17 credit hour teacher training sequence in their various programs. This represents progress toward redirecting those programs toward teacher education. Professor Glidden and the Professional Education Department are somewhat disappointed, however, as they had recommended a 29 hour sequence.

The Faculty of Letters and Humanities has considered the "Proposal for a New Professional Education Major" cited in last month's report. They have deferred action on it, probably because a clearcut consensus as to appropriate departmental objectives does not exist among the P.E. staff. Apparently it will require more time to develop such a consensus.

Curriculum Development (continued)

New reference and reading rooms have now been established in the Faculties of Agriculture and Engineering. These have come as a direct result of encouragement and hard work by Professors Doane and Davis and their counterparts. These efforts will support our various curriculum projects in these Faculties.

Third-year students are being enrolled in the newly approved Mechanized Agriculture program. Because of the considerable interest of students in the program, selection is competitive--based on grades the students received in math, physics, and in a sophomore course in Farm Machinery.

At our urging, the Faculty of Engineering has adopted the "Hobson Criterion" for determining faculty workloads. This is a formula, developed on the Nebraska campus, which accounts for classroom, laboratory, research, administrative, committee, and public service efforts by faculty. As a result of this action, some shifting of teaching assignments between staff members has occurred. Further work needs to be done to improve applicability to the local situation.

Professors Davis and Karyar have now reviewed the Vocational Technical High School curricula and have prepared recommendations for revising the several VTE curricula in light of this. The VTE staff will have to act on these recommendations before they are implemented.

Arrangements have been completed for VTE to use the laboratory facilities and materials of AIT, Kabul Technicum, and Kabul Jangalak. A formal protocol has been drafted, and all concerned seem to be in agreement.

Professor Davis has met with Mr. Pierre-Francois Perlot of the ILO (UNDP) concerning assistance to VTE. They may be able to offer help starting in 1977.

Research and Consulting Activities

Unfortunately, President Mohibbi has been unable to obtain approval for the new financial arrangements that would allow the URC to spend the Afs 500,000 presently in its bank account. We have checked with him frequently, and we know he is constantly working on the problem.

Research and Consulting Activities (continued)

Mr. Rahimi has returned from India and is again active in administering the URC. He is laying plans for the research seminar which we are to support.

Professor Boardman reports that planning has been completed for the Baseline Study of Rural Primary Schools, and all materials are being translated into Dari. We expect formal KU and MOE agreement soon. Messrs. Rahimi and Ghaznawi are cooperating very well.

Boardman has completed a monograph on the Writing of Research Proposals and Research Reports for the URC.

Boardman and Professor Pakmal have had several meetings with Dr. Steve Thomas of USAID concerning possible JRC impact studies of USAID efforts to assist the Afghan Guidance Association. Several research possibilities in the child care area exist, and the URC is prepared to assist.

The KU Graduate Utilization Study is temporarily (we hope) delayed awaiting approval from the Central Statistics Office for tracing the location of graduates.

Director Brown hosted a luncheon for Dr. Virgil Johnson, a visiting USDA-UNL Wheat Breeder on 10 March. Minister of Agriculture Wasifi attended as well as several Nebraska Team and KU Agriculture Faculty members. We believe that the initial groundwork was laid for a post 1977 cooperative agricultural research project, as well as a Wheat Symposium we are promoting for next year.

We have prepared and submitted the first draft of "A Tentative Proposal for Institutionalizing Agricultural Research in Afghanistan."

Professor Doane and counterparts collected samples for the Vitamin A-Carotene research project near Jalalabad and in the Kunar Valley. Chemicals needed for this study have arrived from the UNO campus.

Professor Cross has completed preliminary plans for new sheep facilities at the Faculty of Agriculture Research Farm.

The new CECSAR constitution has been passed to the Ministry of Education for approval and forwarding. The CECSAR-RDD Contract has been signed, and work is under way on the first of 30 projects. This is an irrigation project in Laghman Valley. The site was visited by a CECSAR-RDD party on March 28.

Research and Consulting Activities (continued)

The proposal submitted to the MOE for designing the Vocational-Agriculture Schools, printing press, and warehouse apparently did not fly. The design work for these World Bank financed projects was awarded to the Ministry of Public Works.

Staff Development Activities

Assistant Dean Khaleeq of the Faculty of Agriculture departed for UNL on 31 March. He will be a Visiting Lecturer in the Departments of Agronomy.

The manual on classroom examination construction which is being prepared by Mr. Rauf with Boardman's and Glidden's assistance is now about 80% prepared and edited.

Professor Doane accompanied Dean Hashem and several agricultural staff members on a three day field trip to the Jalalabad area and the Kunar Valley Project. As well as gathering samples for research, and visiting with Afghan farmers, they found the trip offered a useful opportunity to discuss staff development and curriculum problems.

Drs. Dorner and Rasmussen of Wisconsin University and the USDA, respectively, visited the Faculty of Agriculture March 22-24 under USIS sponsorship, and presented a seminar on "200 Years of Progress in American Agriculture." Their visit was highly successful from a staff development standpoint. Professor Doane made arrangements and otherwise facilitated the visit.

Professor Myers reports activities in assisting Professor Sa'id Ghafoor with course preparations and a research paper.

Although the situation in VTE staffing has improved with several new hirings, Prof. Davis reports that department is still unable to cover all its course offerings with the present 10 man staff. Adjustments are being made at the time of this writing. It may be necessary to abandon all course offerings for seniors.

APRIL 1976

SIGNIFICANT ACTIVITIES

KU Administration and General

President Mohibbi and Dr. Ziayee visited Iranian universities as guests of the government of Iran for approximately two weeks during April.

The University has opened a new kindergarten-day care center opposite the girls' dormitories under arrangements made by Mr. Razi, Director of Maintenance. A recently acquired building was renovated and was opened for classes about a week ago. It has been furnished and staffed, and thirty children of KU staff members and students are in attendance.

The University has formally requested consultants in Institutional Planning and Quality of Programs for the upcoming summer months. The campus is preparing nominations.

We have helped with draft Project Identification Documents (PID's) for post-1977 assistance to Kabul University. These are entitled "Development-Related Research Project" and "Agricultural Research and Development" and were prepared in accordance with the decision of a meeting at the Ministry of Planning involving the KU post-1977 Project Planning Committee. This committee is now studying the drafts. Meetings are to be held in early May to obtain additional KU input.

Curriculum Development

The Faculty of Letters and Humanities has returned the proposal of the Professional Education Department for a new major. The Faculty had two objections: First, a minor for the teaching of English was included, with which they did not agree. Second, they felt that the Department should be training teachers to train teachers in the DMA's and HTC's rather than teach in the secondary schools. Our Educational Curriculum Specialist and the Department disagree with both of these objections, and further discussions will be held.

Professor Glidden is team teaching a course in Curriculum Development in the Faculty of Letters with Mr. Khalid Bashier. In addition to covering topics in curriculum development, this course aims to provide a better understanding of teaching methodologies. Professor Glidden has also been working with Mr. Daunish of the Department of Professional Education in designing and structuring a course in mental health.

Professor Boardman is working with Mr. Pakmal as his counterpart in teaching of a Research Methods course in the Professional Education Department.

Curriculum Development (continued)

Dr. Lanza and Professor Gibson conducted a review of the Mechanized Agriculture and Agricultural Engineering programs in late March and early April, in a series of three meetings with Professor Cross, Dean Hashem, Professor Doane, and Dean Baha. The results of this review are included in a separate report. Also bearing on this subject is the recent approval (April 21) of the Agricultural Engineering program as part of the Engineering Seven Year Plan by the National Planning Council.

Professor Myers is involved with the beginning of this new semester in classroom teaching and laboratory development and is rewriting instructional materials and revamping laboratory experiments. Arrangements have been made for a Grant-in-Aid from USAID for approximately 900 items of electronic equipment valued at approximately \$10,000. The Seven Year Plan for the EE Department now indicates 100 EE graduates per year after ten years. This will require an enlarged training program for staff members, and it should be implemented soon if these plans are to succeed. It is understood that the revised plan has been approved.

Professor Johnson has been working with the administration of the Faculty of Engineering on the Seven Year Plan for Mechanical Engineering. Extended negotiations with the Ministry of Planning have been held, the Ministry wanting some 340 graduates annually after ten years. It now appears, however, that they have settled upon a lesser annual growth rate of 8 per cent. The picture remains quite confusing, and we're uncertain as to the final outcome.

Classes for the seniors in Vocational Technical Education started three weeks late because of difficulties encountered in assigning students to specialty areas. Professor Davis is developing a 4-credit hour course this semester for the senior class in manufacturing processes. A sub-committee of the VTE staff is still working on the proposed changes in the curriculum. Course descriptions for all courses in the present curriculum have been finalized and Professors Davis and Karyar are now assigning course numbers, pre-requisites, etc., for a complete listing for the Department.

Work continues on cataloging of books for the new Faculty library-reading rooms in Agriculture and Engineering. USAID has provided tables, chairs, shelves and desks for the Engineering library as a Grant-in-Aid.

Research and Consulting Activities

The KURC by-laws have been approved by the Deans' Committee and have been submitted to the Deans' Council for approval. This includes the organizational structure for the KURC, which has been approved by the Office of the Ministry of Finance. This means that the positions called for in the proposal (four division chiefs) have been budgeted, and that personnel may now be appointed as soon as the Deans' Council acts. Unfortunately, approval has not been obtained for the financial arrangements that would allow KURC to spend the 500,000 Afis presently in its bank account.

Work on the Baseline Study for the Rural Schools Construction Project should be able to start soon. The agreement has been signed by USAID and the Ministry of Education and a letter of understanding between Kabul University and the MOE has been executed.

Some difficulty was encountered with the "Utilization and Quality of Kabul University Graduates" study. The Central Statistics Office has questions about it, and a meeting between President Mohibbi, the Minister of Education, and the Director of the CSO seems to be required in order to allow the researchers to have access to the data needed for the study.

Professor Boardman has completed a monograph on "Writing of a Research Proposal and/or a Research Report." It is being translated, and Dari and English versions will be made available through the KURC to University staff. He has also worked this month with Medical and Science Faculty staff members on studies concerning "Urinary Stones in Afghanistan" and "Polarized Light Experiments."

Professor Boardman continues to work with Mr. Pakmal and Dr. Thomas at USAID and the Afghan Family Guidance Association in the development of a proposal in the area of social changes related to child health care. Boardman and Pakmal are also working on a similar research project with Mr. Fred Davis of Care-Medico.

Professor Glidden has continued to work with Mr. Monier, an AID participant in Mathematics Education, on his dissertation research and also in the reproduction of two textbooks in mathematics.

Work continues on the project for "Determining the Carotene (Vitamin A) Content of Plants in Afghanistan." Final plans have been formulated for the "Comparative Study of Different Rations for Sheep Feeding." and it has been decided to start a similar project in the area of poultry feeding.

Research and Consulting Activities (continued)

Professor Doane has reviewed research papers prepared by Dr. Dawlaty, as follows: (1) "Cost of Production and Returns of Cotton Farming in Afghanistan," (2) "Cost of Production and Returns of Sugar Beet Farming in Afghanistan."

Professor Doane and counterparts travelled to Shebergan and Mazar-i-Sharif for four days to study the karakul industry. They will make use of information obtained in teaching and for ideas for new research projects.

The Faculty of Engineering has made space available for a design office for CECSAR. CECSAR has started work on the first of thirty RDD projects. This is a small irrigation project in the Laghman valley. Professors Gibson and Cross have made separate field trips to the site with counterparts, and most of the design features have been decided upon. CECSAR has submitted a proposal for a design fee to the RDD.

CECSAR has submitted a proposal to the CDE Division of USAID for designing Basic Health Centers.

Professor Myers and counterparts have held discussions with Fishbach-Omam, Inc., on the problems at the Kajakai Power Plant. Professor Johnson and several CECSAR members have made a visit to the brick manufacturing facility which was built by the Germans but has been idle for several years. The facility is being reactivated by the BANAI Construction Company, and they have requested that CECSAR provide recommendations concerning quality control of the product. Professor Johnson has sent to the United States for information concerning mixes, processing, and testing.

Staff Development Activities

Assistant Dean Khaleeq of the Faculty of Agriculture has arrived at UNL, and we understand that he is settling in well. It has also been reported that the four Visiting Lecturers in Education at UNO are performing in an excellent manner.

The VTE Department has hired an additional staff member-- a graduate from the Electrical Engineering Department. He has been assigned a full course load, and this has helped to relieve other overloaded staff members. VTE now is using only full-time staff members from its own department and from other University Faculties.

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Staff Development Activities (continued)

VTE will lose two staff members in September--Mr. Rasapqur has been accepted to work on a Master's degree in Civil Engineering at the East-West Institute; Mr. Isaqi will soon depart for a Ph.D. scholarship in Italy.

OTHER

We have been notified that the U.S. Geological Survey has entered into an agreement with UNO providing \$20,000 for the building to house the upgraded equipment at the Kharga Seismograph Station.

MAY 1976

SIGNIFICANT ACTIVITIES.

KU Administration and General.

Ronald W. Roskens and Thomas E. Goultierre, Chancellor and Dean of International Affairs, respectively, of the University of Nebraska at Omaha, visited Kabul this month for consultations concerning our project and other KU-UNO joint activities underway. They were accompanied by the "Nebraska Caravan", consisting of 30 prominent residents from the Omaha area.

Discussions were held with Kabul University officials including President Mohibbi and his Deans, with Minister of Education Kayeum, Deputy Foreign Minister Waheed Abdullah, Ambassador Eliot, Director Brown, and other concerned USAID personnel. They also participated in the May 23rd evaluation of our project.

Chancellor Roskens and the Caravan departed on May 30th and Dean Goultierre will remain until June 4th. They were very well received by Afghan and Mission officials, and we think the visit will enhance efforts to bring the project to a successful conclusion during the coming year.

During discussions with Mission and KU officials just prior to the evaluation, it was determined necessary to suspend project support of our programs for Mechanized Agriculture and Agricultural Engineering for the present. Our consultant, Professor Cross, will return to Campus in September. We hope to be able to resume support of these programs after September, should sufficient interest and activity develop.

Professor Marvin Johnson has developed heart trouble during the month and it has been necessary to terminate his service at post in the near future. We have notified our Campus and a replacement is being sought.

Professors Jack Hill and Ralph Neild arrived on May 30th to serve as short-term consultants in Business Affairs and Climatology, respectively. Hill will remain for eight to ten weeks, and Neild for six weeks.

UNO has nominated Professors Dale Hayes and Richard Lane to serve as short-term consultants this July and August in Institutional Research and Quality of Academic Programs. KU is now studying biographic data on these individuals and we expect approval soon.

We have worked with Mr. Scarborough of the Asia Foundation in proposing continuing U.S. support for the Faculty of Engineering after completion of our project. We forwarded a proposal for a three year project providing faculty scholarships and textbooks through USAID in late May. We have also worked with the Faculty of Engineering in preparing a proposal for an entirely new Faculty of Engineering to be located outside of Kabul. The proposal was requested by the GOA, and presently calls for a five year, \$60,000,000 project. The amount is believed excessive, and no discussions have taken place as to the source of funds. We assume the GOA will seek a cooperative project with another country, after trimming the budget considerably.

We have worked with KU and USAID officials in developing Project Identification Documents for two new USAID projects for the post 1977 period. One deals with interdisciplinary research at the Kabul University Research Center and the other with Agricultural Research at the Ministry of Agriculture and the KU Faculty of Agriculture.

With the recent departure of Dean Hashem, Dr. A.Q. Samin has been appointed Assistant Dean of Agriculture. Dr. Samin serves also as Acting Dean for the present. Hashem will become a visiting lecturer at UNL. Samin returned from a Visiting Lectureship at UNL in December, 1975.

CURRICULUM DEVELOPMENT.

Last month we reported that the Faculty of Letters and Humanities had rejected the proposal of the Professional Education Department for a new major. It was recommended that the minor for Teaching of English be dropped and that the curriculum be designed to provide training for teachers in the DMA's and the HTC's, rather than in secondary schools. We now learn, however, that these changes were actually directed by the Ministry of Education. This month the Department, re-designed the curriculum along the lines recommended, with help from our Educational Curriculum Specialist. Dr. Glidden reports that the results are quite satisfactory, except for an overemphasis of statistics and research in the curriculum, too few pedagogy courses, and the inclusion of the Philosophy of Education and Islamic Education courses, which are too theoretical and not really needed. Work continues on the present draft and it will probably be re-submitted to the Faculty of Letters and Humanities in June.

President Mohibbi has exerted strong leadership by directing in the most positive terms (in writing) that the Vocational Technical Education Department is to be fully assimilated into the Faculty of Engineering, and to receive support on an equal footing with other departments. We hope this will put an end to the kinds of problems we have

reported with the VTE Program in recent months.

Research and Consultation.

Professors Boardman and Glidden have helped Mr. Hakim, Assistant Dean of the Faculty of Letters and Humanities, to develop a proposal to study the KU entrance exam scores achieved by students from different cities and provinces of Afghanistan.

Professor Boardman has worked this month with the Population Division of USAID, the Afghan Family Guidance Association, and Professor Pakmal of the Kabul University Research Center in developing a research proposal in the area of social change related to child health care. It is presently planned the Population and AFGA will participate in the administration of the project, which will run for one year at a cost of about 500,000 Afghanis. The project has been cleared with the Ministry of Public Health, and a request has been prepared to obtain the services of Pakmal as the principal investigator. The project should start during the coming month.

A considerable amount of housecleaning occurred at the Kabul University Research Center during the month. Six of the eight administrative staff members were replaced.

The Faculty of Agriculture has obtained permission and funds to purchase 14 additional sheep and have identified 10 from their present flock to conduct a comparative study of different rations for sheep feeding. The project will start in June. A Poultry Research Project anticipated earlier has been tabled due to the lack of proper facilities. Professor Doane and counterparts have visited three possible sites for poultry trials, but none were satisfactory. The University has started construction of a new poultry facility which should be available before the year is out.

A book entitled "An Afghan Guide to How Fruits Grow" has been distributed to the Faculty of Agriculture and the Ministry of Agriculture by USAID. The book was prepared under the earlier Wyoming Project with Asia Foundation help.

Professor Young and counterparts spent much of the past month in field activity at the University Farm. A large number of variety trials of vegetables have been planted. Seed production for several vegetable varieties is also underway. This involves cooperation with the Ministry of Agriculture. Hybrid corn is being produced also. These activities are the culmination of a great deal of preparatory seed collection activity, which was reported

last fall. We now foresee a considerable challenge in properly caring for the crops that have been planted.

In view of the pressure on the Faculty of Engineering for more engineering graduates, we have gathered together a small study committee consisting of Nebraska Team members and their counterparts to prepare a proposal to study the technical manpower needs of Afghanistan. Serious discussion will begin when Professor Boardman returns from R. & R. about the middle of June.

The proposed CECSAR constitution was discussed in great detail in late May by Dean Baha, President Mohibbi, and Minister of Education Kayeum. Several minor changes resulted, and we understand the constitution will now go to the Council of Ministers.

The Ministry of Education has reversed its previous decision to have the Ministry of Public Works provide design services for the new Vocational Agricultural Schools, and has awarded the work to CECSAR. Four new schools will be designed and remodeling of three others will occur, all with World Bank funding. This project will be of considerable challenge to CECSAR because of its magnitude.

CECSAR is also providing supplementary drawings for the Southern Rural Primary Schools, in order to reduce the scope of construction previously anticipated. Initial estimates for this work turned out to be too high.

CECSAR also will provide working drawings for the Basic Health Centers. This was confirmed in recent discussions with CDE Division of USAID.

A new CECSAR project has been initiated with Banai Construction Company for consultation on the newly reactivated brick factory. Information requested by Professor Johnson concerning mixes, processes, and testing have been received from the U.S.

Staff Development Activities.

Dean M. Hashem, of the Faculty of Agriculture, and Professor M. Amadzai, of Engineering, left on May 12th for UNL and UNO, respectively. They will serve as visiting lecturers in Animal Science and Mathematics. All visiting lecturers under our project have now departed.

We have reported earlier that Mr. Rashiq, of AIT, has refused to transfer to the VTE Department of the Faculty of Engineering. This caused us some concern, as he was a USAID participant, trained under our project for the VTE program. This apparently has been rectified, and he has submitted papers to affect his transfer.

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OTHER.

At Dr. Ziayee's request, we have read and reported to him on the Education and Technology sections of the UNESCO 1977-78 Draft Budget Programs. We attempted to point out opportunities for Kabul University's involvement with UNESCO.

Mr. Howell Butler, of the USGS, visited for two days in May concerning the plans to upgrade the seismographic station. KU is having trouble making arrangements for the departure of one of the technicians to receive training under the upgrading contract. Mr. Butler warned KU officials that if an individual cannot be provided for the Albuquerque training session, beginning on June 14th, shipment of project equipment will be withheld. USGS does not install such equipment without trained indigenous personnel on hand to maintain it.

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JUNE 1976

SIGNIFICANT ACTIVITIES

KU Administration and General

Mr. Robert Nooter, Assistant Administrator for Near East Bureau USAID, visited Kabul University on June 8. Discussions were held with President Mohibbi and several Deans, during which Mohibbi expressed sincere appreciation for USAID's previous and current efforts at KU, and interest in the projects which have been proposed.

Professor Marvin Johnson and his family departed post on June 30. Our Campus is presently searching for a replacement.

The Central Administration has drafted a new promotion policy for the University which is now being reviewed by the Faculties. It is understood to contain some rather stringent requirements for promotion to the higher ranks, and many of the faculty not possessing terminal degrees are understood to be quite upset with it. We are presently translating this policy.

The Management Training Program conducted by Professor Jack Hill, our short-term consultant, is well underway. Although it was originally to be presented to thirty-five administrators, President Mohibbi has asked that a much larger group participate in the course. Seventy-three are enrolled, and the group has been broken down into three classes. One class consists primarily of General Directors, taught in English, and the other two classes have less background and responsibilities. All three classes are responding very well to the training, which consists of basic management, with special emphasis on leadership, motivation, organization, and managerial operations. The participants will receive special training in Management by Objectives, and will be expected to establish operational objectives for themselves, and obtain agreement with their supervisors.

Dean Zerian Baha was involved in a rather serious automobile accident early in the month, and will not be able to perform his duties for another two or three weeks. Assistant Dean Abaucy is now Acting Dean of the Faculty of Engineering.

Final arrangements have been made for two short-term consultants to assist in the area of University Planning. Drs. Richard Lane and Dale Kenneth Hayes will arrive on July 11 and serve four weeks in the areas of Quality of Programs and Institutional Research respectively.

KU Administration and General (continued)

In addition, we have arranged short-term consultancies for the Faculties of Medicine at Kabul and Nangarhar. Drs. Paul Young and Guy Haven of the University of Nebraska Medical Center will arrive on August 2, and remain for five weeks to assist the University in laying long-range plans for development of the Faculties of Medicine. During the last week of their visit, they will be assisted by Dean Perry G. Rigby of the University of Nebraska Medical Center. He will help finalize their recommendations. These visits are being carried out with major funding from the World Health Organization and some funds from the University of Nebraska Medical Center. It is hoped that a long-term program of assistance can be developed.

Approximately \$55,000 worth of Project commodities are now in Peshawar, and we have arranged for USAID assistance in picking them up and delivering them to Kabul University in early July.

In early June, we received donated commodities from the University of Nebraska. These supplies are abundant and diverse in character, some being new and others used. They are presently stored at the Faculty of Engineering, and we are now inventorying them and cleaning them up for presentation to Kabul University. A few equipment items (such as calculators) need repair and it may be necessary to scavenge parts one from the other to make up complete units. We plan also to prepare recommendations to President Mohibbi for allocation of the various items to the different Faculties.

Curriculum Development

The new Professional Education major discussed in last month's report has now been finalized by the Department and approved by Dean Mir Hussain Shah. It will probably be approved in its present form by KU.

If the curriculum is implemented in its present form, major improvements should result, at least in terms of course sequence. The long-term task will be to improve the competency of classroom instruction and materials. This, of course, is much more difficult than designing a course sequence.

Professor Glidden and two counterparts are working on a new two semester Curriculum Development course that is a part of the newly approved Professional Education Major. He is also cooperating with a colleague in developing a two semester Foundations of Education course, to be offered to freshmen entering the Department. As reported

Curriculum Development (continued)

earlier, Professor Glidden is Team Teaching the present Curriculum Development course with counterpart. They have covered 14 of the 16 topics provided in the course outline, and students have responded quite favorably to the course.

Work continues on the cataloguing of books in the Library-Reading Room in the Faculty of Agriculture. About one-half of the books were catalogued during June. Work in the Library-Reading Room of the Faculty of Engineering has been nearly completed, with all books catalogued and shelved. The only remaining need is for a card-index file.

Professor Johnson reports that Dean Baha has followed through on the commitment made during our Project evaluation to employ Mr. Said EsaqSaid in the Management Engineering Program. Said has an MS from the Asian Institute of Technology in Industrial Engineering, and is presently with the Afghan Industrial Bank. He is being allowed to teach two courses this semester, filling in for Johnson. The Bank has not yet released him during the day, and he is teaching from 4 to 6 pm three evenings a week. We hope that arrangements can be made to employ him permanently. The present arrangements are a positive step forward in the Management Engineering Program.

Professor Johnson has spent a good deal of time this month in transferring several of his tasks to other Nebraska Team members. Much of the work in his job description, however, has proven not to be transferrable, and his departure leaves a hole in our project.

Professor Myers reports that the curriculum in Power Engineering has not been approved by the Curriculum Committee as yet. Dean Baha made a firm commitment during our project evaluation that this action would occur, however, his accident has resulted in further delay. We are pushing the Department Coordinator and the Curriculum Committee to obtain approval, and if this is not possible we plan to carry it to the Dean of Academic Affairs and President Mohibbi if necessary.

Professor Myers also reports that the Grant-in-Aid electronic components have all been inventoried and are now in the electrical engineering stockroom for use in the laboratory.

Professor Davis reports that student teaching arrangements are underway for the Senior VTE class. This will require cooperation of KU, the Ministry of Education, the Vocational Section of MOE, and the Directors of each of the Vocational High Schools.

Curriculum Development (continued)

Professors Davis and Mr. Ghazanfar, of the Mechanical Engineering Department, are inventorying refrigeration equipment presently at AIT. The equipment is to be transferred to the Faculty of Engineering for use in classes in VTE and Mechanical Engineering.

Research and Consulting Activities

The latest version of the KURC By-Laws has been approved by the Deans' Council and is now in President Mohibbi's hands. As reported earlier, the financial aspects of these By-Laws will have to be approved by higher authorities, and we understand that President Mohibbi intends to proceed with this immediately.

With the departure of Dr. Ghaznawi of the Ministry of Education for a UNESCO assignment, the Baseline Study was turned over to the First Deputy Minister of Education, Mir Siddiq. A meeting with Mr. Rahimi, Mir Siddiq and Professor Boardman will occur in the near future, in hopes of getting this study going again.

The KU Graduate Utilization Study continues to be delayed. President Mohibbi was to have discussed this matter with the Director of the Central Statistics Office and apparently this has not occurred. We assume that he is concentrating his attention on the need for the KURC by-laws at the moment.

Professor Boardman reports that letters of approval for Mr. Pakmal's participation in the USAID-AFGA Child Care are currently being obtained, and the project will begin soon.

Dr. R. E. Neild of the University of Nebraska-Lincoln has spent the month delivering a series of seminars to the Faculty of Agriculture and other professional audiences. His lectures have attracted people from the Ministry of Agriculture, Air Authority, and the Faculty of Science as well. Hopefully, they will result in initiation of research in the area of agricultural climatology. Dr. Neild has spent some time in rural Afghanistan familiarizing himself with the agriculture of the country. Professor Young has greatly facilitated Dr. Neild's efforts, through advance planning and coordination of all his activities.

Professor Young has also assisted Dr. Carl F. Knowles, USDA, and Dr. Donald M. Cornelius, Agricultural Research Officer of the U.S. Embassy in Islamabad, in their attempts to collect oil and poppy seeds for research purposes in Pakistan. A trip to Mazar-i-Sharif and Kunduz was arranged, with Mr. Mir Ayub acting as guide and interpreter.

Research and Consulting Activities (continued)

There has been a slight delay in the purchase of sheep for the comparative study of different sheep rations mentioned in last month's report. The GOA money which we thought was available for this purpose was spent before the Faculty of Agriculture submitted their request. We now understand that money can be obtained from K.U.'s current month budget.

Professor Doane reports that more feed analysis samples have been collected, and that camel thorn leaves appear to have merit as a high protein supplement for animal feed.

Three project participants from the Faculty of Agriculture are hard at work collecting data for their Ph.D. theses. Ghulam M. Bahram, University of Wisconsin, is studying "The Role of Supervisors as Perceived by Extension Personnel in Afghanistan". M'r Aqa of Oklahoma State University is preparing a thesis entitled "Acceptance, Use and Effectiveness of the Vocational Agricultural High School Curriculum as Perceived by Teaching Extension Supervisors, High School and College Seniors in Afghanistan". M. Z. Qaderi, Pennsylvania State University, is studying "Assessment of Competencies Needed by Graduates as Perceived by Agricultural Professionals, Producers and Students, and its implications for College of Agriculture Curriculum Revision".

The two other USAID project participants doing their data collection for dissertations in Afghanistan are Monier of Education and Kazimee of Architecture. Professor Glidden continues to work with Monier and Davis with Kazimee. Reimbursement procedures for salary and expenses recently worked out with AID to support these five participants seem to be functioning adequately.

We understand that the proposed CECSAR constitution was passed from the Council of Ministers to the Higher Economic Council. The Economic Council tabled action, stating that the constitution as presented was too long and involved, and dealt with too many aspects that were of little interest to the government. Their primary interest is in the financial provisions, allowing CECSAR to reimburse faculty members in addition to their government salaries, the matter of taxes to be paid, and the like. We understand, however, that they will take action on an abbreviated proposal, covering financial aspects only. CECSAR Director Saleem is presently preparing such a proposal in cooperation with the Ministry of Justice.

Research and Consulting Activities (continued)

With regard to the CECSAR project for designing seven vocational agricultural schools, a contract has been prepared in English and approved by the Ministry of Education Director of Construction, Mr. Fazel Ahmad. It has been translated into Dari and will be carried immediately to the Minister of Education for approval. We have Fazel Ahmad's assurances that the government intends to implement this design contract, with World Bank funding. As presently written the contract calls for the fee of 4,820,575 Afghanis covering professional fees, overhead, and supplies needed for the work. The Project is of such magnitude as to require opening of a new office. The contract calls for the MOE to provide a design office in proximity to the Faculty of Engineering. CECSAR's responsibilities under the contract include both design and construction inspection. Although the fee sounds high, many architects, engineers, draftsmen, and others must be employed in the work. The fee represents 4.2 percent of the estimated construction cost, and is probably one fourth to one fifth the fee that an international design firm would require.

CECSAR also completed supplementary working drawings needed to reduce the cost of the Southern Rural Primary Schools. The Ministry of Education and the Ministry of Public Works have approved them, and we await USAID approval.

CECSAR has entered into a contract with USAID for providing working drawings for the Rural Basic Health Centers. This work is being done on an hourly basis since it proved difficult to estimate the amount of time needed to complete the work and because it is straight drawing job, involving little design or creativity. The work appears to be proceeding well, however, the USAID coordinator, Mr. Froeming, was medically evacuated recently, and we don't know what arrangements USAID will make to carry on with the work.

Staff Development Activities

The English copy of the KU Faculty Test Manual discussed in previous reports has been proofread the second time and Professors Boardman and Glidden plan to discuss it with Dr. Ziayee soon.

OTHER

Final arrangements have been made to send the technician for USGS training at Albuquerque, New Mexico and Golden, Colorado. We have received word that the USGS, in spite of the delay in sending this technician for training, wishes to proceed with the construction of the new building to house the equipment to upgrade the Seismograph Station.

JULY 1976

SIGNIFICANT ACTIVITIES

KU Administration and General

The Management Training Program conducted by Dr. Jack Hill continues to move ahead. Attendance has been good and several inquiries from outside Kabul University have been received, notably the Civil Service Commission. All individuals inquiring have been told they can sit in on the program but that the program has progressed so far in the syllabus that no attempt can be made to go back and bring the observers up-to-date. The program has shifted from management theory and processes to practical application of what has been studied in class. This has led to many lively discussions.

Dr. Cross is in the process of winding up his affairs and plans to depart Kabul on or about August 15th.

The newly drafted promotion policies by the Central Administration continue to elicit many faculty comments. Departments and Faculties have been asked to respond to them. As would be expected the response follows along the pattern of who is being advantaged or disadvantaged by it. Younger professors feel they are really being disadvantaged because of the emphasis and spelling out the advanced degrees that are recognized. On the other hand, the higher rank professors are responding favorably because of the pay increase that they potentially can get. Interestingly the basis for much of this document came from a report submitted to Dr. Ziayee by Professor Glidden.

A number of meetings have been held with Mr. Karzai, Director-General of Planning and Dr. Ziayee, Special Advisor to the President, in conjunction with the planning and establishing the program for the two consultants. Prof. Lane, Instruction and Program Quality, and Prof. Hayes, Instruction and Faculty Research. Both consultants have been very well received by the administration of Kabul University, and both have a full schedule of activities. Dr. Boardman has been very active in coordinating their programs, attending meetings with them and in general following and directing their activities. Dr. Glidden has also been involved in the facilitating and coordinating the programs of the two consultants.

Project commodities have arrived from Peshawar and are being processed through customs. We hope to distribute them to the faculty on or about August 1, 1976.

KU Administration and General (continued)

The commodities from Omaha have been inventoried. What remains to be done is to tag each item for suggested distribution and a formal presentation to President Mohibbi. A complete inventory will be forwarded to AID/ED shortly.

Dr. R.E. Neild, short-term consultant in agricultural climatology, departed Kabul the first week of July to return to the University of Nebraska-Lincoln. Dr. Neild presented seven seminars dealing with agricultural climatology to the Faculty of Agriculture. Average attendance at each seminar was thirty and drew people from: Faculty of Agriculture, Faculty of Science and Departments of Research and Forestry from the Ministry of Agriculture. Three additional seminars were presented, two by the Ministry of Agriculture and one by the Department of Civil Aeronautics. Additional individual discussions were held with persons seeking Dr. Neild's counsel on research and educational plans. Dr. Young's evaluation is that Professor Neild's visit was highly successful. His (Dr. Neild's) terminal report will be mailed to the Team upon his return to the Lincoln campus.

Dr. Gibson has returned to the Nebraska campuses on project matters. He left on July 14th and should return on or after August 1st.

Plans have been finalized for the two short-term-consultants for the Faculty of Medicine, at Kabul and Nangarhar. Attempts to pin down the office assignments and counterparts' relationship with the Faculty of Medicine have not been successful, but it will be done before August 2nd when Drs. Paul Young and Guy Haven of the University of Nebraska Medical Center arrive.

Curriculum Development

Professor Davis reports that VTE Department has finally received its first recognition (officially) outside the Faculty of Engineering as a department within that faculty. The Deans' Council provided that recognition as a result of approving faculty promotions that were before it.

Dr. Doane has been meeting with the English Department in the Faculty of Agriculture concerning the on-going English program in this faculty. It is generally recognized by all concerned that the program has not been well coordinated nor has the quality of instruction or content been consistent. Meetings have been held with the Peace Corps faculty and one PCV has shown interest in developing a two-year English curriculum that will rectify the present deficiencies. Drs. Baker,

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Curriculum Development (continued)

Lane, Glidden and Mr. Yates of USIS are to be consulted concerning curriculum and procedures that could be utilized in this revision of the English curriculum. It is hoped that a package can be put together that is within the capabilities of PCV teachers that meets the needs of the Agricultural students.

Professor Davis prepared the final examination schedule for the VTE Department and has made, and obtained, the approval of room assignments within the Faculty of Engineering.

Professor Davis reports that word is still awaited from the Ministry of Education approving the assignment of VTE senior students to Vocational Technical High Schools. Planning is still going ahead on the student teaching program as well as having a meeting with the administrators and teachers of the schools concerned. Technically the Ministry of Education does not have to approve these plans but it is felt that to avoid any potential difficulties it would be best to start early and obtain the Ministry approval.

Mr. Karyar, Chairman of the VTE Department and Professor Davis visited the Vocational Technical High School at Mazar-i-Sharif. The purpose of the trip was to observe the curriculum in operation and make contact once again with the faculty and administration. Beginning next year the new agricultural high school in Mazar-i-Sharif will share the facilities of the Vocational Technical High School. This is to be a temporary measure until a new school facility can be constructed for a complete agricultural curriculum. The graduates of the Vocational Technical High School in Mazar-i-Sharif have all been placed in positions. The school is well equipped and outwardly seems to be meeting a real need.

Professor Glidden and two counterparts continue working on a new two-semester Curriculum Development course that will be instituted at the beginning of the new school year in March 1977. A great deal of time is being spent in developing a course that is both practical and meets the realistic needs that the students have. It is also hoped that work can start immediately on the development of instructional materials. Work also continues on the two semester Foundation of Education course. It is hoped that the Curriculum Development course can be sequenced with the Foundations of Education course so that both topics and content can be built on one another. This seems, at the present time, to be an achievable objective but time will tell.

Curriculum Development (continued)

As reported last month work continues on cataloguing of books in the Faculty of Agriculture Library-Reading Room and should be completed shortly now that the holidays are over.

Professor Doane visited the Baghlan Vocational-Agricultural High School, Cheese Factory, and Research Station on a three-day program with the senior class in the Animal Science Department. Professor Doane felt this was a particularly successful trip for the senior students since they will be joining the college educated work force in six months. Whether many of the senior students realize it or not completely, many undoubtedly will become teachers in the rapidly expanding vocational-agricultural high schools which have increased from two to seven in the last year. As would be expected there is desperate need for teachers and a number of graduating seniors will be tapped.

Professor Doane also reports teaching three classes of the Animal Science Practicum Class this last month.

Research and Consulting Activities

Professor Young has completed a review of the book entitled; An Afghan Guide to Fruit Growing by Harold W. Pillsbury translated by Mir Abbas Frahmand. The book is ready for proofreading in the Dari edition.

Professor Doane reports the collection of further seed samples during the three day field trip to Baghlan.

The Agronomy Department of the Faculty of Agriculture continues to have several research projects in operation.

Participant training candidates Qaderi, Bahram, Aqa, Monier, and Kazimee continue to collect data for their Ph.D. theses. To-date this has been a very satisfactory arrangement and difficulties are far outweighed by having research done on the problems of Afghanistan in their respective areas of study. The most pressing single problem was working out arrangements whereby Qaderi, Bahram, Aqa, and Kazimee could be paid in a reasonable time. This seems to have been worked out satisfactorily.

The Nebraska Team has supported the reprinting of the exercises that Mr. Monier produced for his study in the teaching of Algebra and Geometry. These were distributed, upon request, to the participants of a recent Seminar in Mathematics Teaching in Kabul for Provincial Supervisors.

Research and Consulting Activities (continued)

Professor Young reports that previously planted research plots of vegetables are now coming into harvest. While difficulties encountered will in some instances make variety evaluation require more than one year, the larger question as to the suitability of major species and varieties for Afghanistan can be clearly answered. All of the major temperate zone vegetables are well adapted here. Very high yields and excellent quality can be produced on the soil of Afghanistan. Dr. Young feels that the major task remaining is basically developmental rather than research. The effort in this field in the next several years should be primarily adaptive or developmental research.

Dr. Gene Love, Penn. State, Mr. Qaderi's advisor, arrived in Kabul on July 24th to assist Mr. Qaderi in his research. Professor Doane arranged and accompanied Dr. Love and Mr. Qaderi to the Helman Valley and Kandahar area for five days. Dr. Love will depart Kabul August 7, 1976 after a field trip to the Mazar-i-Sharif area.

Professor Boardman has provided research assistance to Dr. Faried Pawanta of Veterinary Science in the design of his study entitled "Microbiological and Parasitological Meat Investigations in Kabul City". Research assistance continues to be provided Dr. Dil A.H., Chairman, Department of Pharmacy, Faculty of Medicine, in regard to his study "Feasibility Study Plan for Pharmacologic Screening of Possible Hypoglycemic Effect of Mows Serratus".

Professor Boardman and Professor Glidden continue assisting Professor Hakem, Assistant Dean, Faculty of Letters and Humanities in the design of his study on the KU Concourse Examinations.

Professor Boardman provided research review to Dr. Fakir M. Melgerie of the Faculty of Science in regard to his study entitled: "Petrography of Paghman Area".

Professor Boardman reports a meeting was held with Dr. Mir Siddiq, First Deputy Minister of Education, in regard to getting the financial aspects of the Baseline Study approved. Mr. Coleman, Education Division, USAID/A, and Mr. Bahir, Asst. President of Primary Education, Ministry of Education, were also involved in that meeting. The proposal for the paying of the personnel has since been approved by Mir Siddiq, the Minister of Education, and has been forwarded to the Prime Minister's Office. It had to go before the Council of Ministers on July 27, 1976. In connection with the same project a meeting was held with Mr. Rahimi, Director of KURC and Prof. Fazel of Professional Education. Prof. Fazel has agreed to coordinate the baseline study from the University side and this meets

Research and Consulting Activities (continued)

with the approval of Mr. Rahimi. Professor Boardman is currently working with Mr. Fazel in doing some initial planning of personnel so that when the approval comes on the project that the project can be operationalized as quickly as possible. Dr. Mir Siddiq has also agreed to meet with President Mohibbi to assist in obtaining the partial release of selected staff members from teaching responsibilities to work on the project.

Staff Development

Professor Boardman has donated some 200 volumes of research and technological journals and books from his personal collection of materials to the KURC Research Reference Library. These materials are currently available for use by students and staff.

Professor Glidden reviewed, for promotional purpose, an article entitled "A Critical Analysis of Vocational Education in Afghanistan" for Mohammad Hussain Razi, Journalism Department, Faculty of Letters and Humanities. Professor Davis reviewed the same article.

Professor Davis reviewed five papers for Mr. Natic of the Industrial Engineering Department. Three of the five were suitable to be utilized for promotional purposes.

Professor Glidden continues to meet informally with two junior faculty members in the Department of Professional Education on how they might improve their instructional techniques.

At the continuous urging of Professor Glidden, Mr. Danish, Department of Professional Education, took the open examinations for Fulbright and East-West Center Scholarship. Mr. Danish's score was sufficiently high to be asked to submit his other credentials.

The English copy of the KU Faculty Test Manual has been proofread for a third time and the final copy is being typed. Upon the final typing it will be brought to Dr. Ziaee for discussion as to where we go from here with it.

OTHER

Professor Myers, with the assistance of Mr. Gatch, USAID/A, made an inspection and report to President Mohibbi on the condition and repairs needed for the boiler in men's dormitories at Kabul University.

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OTHER (continued)

Professor Myers continues to work with KU Administrators on up-dating the Seven Year Plan and a new campus for Engineering.

August 1976

SIGNIFICANT ACTIVITIES.

KU Administration and General:

Short-term consultancies were completed by Dr. Dale Hayes (Institutional Planning), and Dr. Richard Lane (Quality of Programs) on August 5 and August 11, respectively. Dr. Hayes' report is in the final stages of typing, while Dr. Lane is having his report typed on the Omaha campus. The reports were presented orally to President Mohibbi, Professor Boardman has coordinated the work of these two consultants and will follow up on their recommendations.

Professor Jack Hill, short-term consultant in Business Affairs, has completed his training program and departed on August 15th. His final report is being typed on the Omaha campus. Judging from the reports of the students involved, and from President Mohibbi and other administrators, this consultancy was highly successful. KU has indicated some interest in having Professor Hill return at the beginning of next year, to work individually with some of the higher level administrators.

As a direct result of Professor Dale Hayes' recommendations regarding institutional planning and the successful training model implemented by Professor Hill, President Mohibbi has suggested a series of training seminars in the area of institutional data gathering. Accordingly, Professor Boardman has developed a proposal for seminars in student, personnel, program, financial, and facilities data. There will be nine seminars in each area, extending over a period of three weeks.

Drs. Guy Haven and Paul Young of the University of Nebraska Medical College arrived on August 2nd for short-term consultancies in medical education under the sponsorship of the World Health Organization. They visited the various hospitals in Kabul and held extensive discussions with KU faculty and students. On August 30th, Dean Perry Rigby arrived to assist them in preparing their final report, which will analyze needs in medical education, and suggest measures for improvement. The three consultants reported some of their findings to Director Brown and Ambassador Eliot on August 31st. Dr. Haven departs September 1, Dr. Young on September 3, and Dean Rigby on September 6.

Mr. Azimi, Vice President for Academic Affairs has requested that the Nebraska Team and the Faculty of Engineering collaborate in presenting seminars for various other Faculties to explain the semester credit system. As Professor Glidden has researched this topic extensively and has presented similar seminars in Pakistan under USIS sponsorship, this work was assigned to him. The first seminar was presented on August 25th to approximately 25 staff members from Science and Letters and Humanities. Additional seminars will be held for other Faculties after the semester is

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underway. Professor Glidden is having his seminar notes typed and translated for circulation to the Faculties, and also writing a longer and more detailed pamphlet explaining the system.

Professor Glidden has held discussions with Mr. Sutuda, Director of the Central Library concerning the possibility of a short-term consultancy to present a short training program in cataloging and reference work, and to help design a two-year library science program. We are presently unsure whether President Mohibbi supports this consultancy.

Work continues on new projects for post-1977. Professor Boardman has assisted the Education Division in the developing of a PRP, along with logical framework and performance tracking chart, for the developed related research project (DRR). We have worked also with the Education Division in arranging for short-term consultancies need to develop a project in the Engineering Faculty. Some discussion and correspondence have occurred concerning further planning for projects in the Faculty of Agriculture and in the area of Management and Administrative training.

Dr. Cross departed on August 15 and will be on leave until September 15, when his contract services terminate.

On August 5, Professor Gibson returned from Campus and from a visit to AID/Washington. He was able to obtain a replacement for Professor Johnson, who will also serve as part-time consultant for CECSAR. It is expected that Dr. Norman Bolyea will arrive at post on September 20 and stay through December, and possibly through the contract termination in May, 1977.

Professor Doane attended an Animal Science program in Houston, Texas, where he presented a paper on the Karakul Industry in Afghanistan. He also visited the Lincoln Campus to discuss the matter of his replacement (need after February 2, 1977). While in the Lincoln vicinity, he gave several talks to professional and school groups on Afghan culture and Nebraska's involvement in Afghanistan.

Professor Young visited the U.S. for physical examinations and to discuss contract matters on the Lincoln campus.

Work has been completed on sorting and inventorying the commodities donated by Nebraska, and a recommended distribution list has been provided to President Mohibbi along with photographs of the equipment.

CURRICULUM DEVELOPMENT.

Professor Glidden reports that he and Professor Ahmadyar have completed outlining a new two-semester course in curriculum development. It was initially intended that this course begin in March of 1977, however, they have now decided to teach the second course of the sequence starting next month.

Discussions have been held with Dean Raufi, Faculty of Science, concerning the many problems he has with the question of training of science teachers. Raufi initially had expressed interest in obtaining short-term consultive assistance under our contract, however, we now learn that he is visiting in Germany and think it likely that a decision has been made to look in that direction. This might prove best in the long run, since German assistance is continuing in the Faculty of Science, and it might prove difficult to have science education and academic science in the same Faculty using different educational systems.

Professor Doane reports continued progress with the development of a four-semester English teaching sequence in the Faculty of Agriculture. A committee composed of Dr. Bruce Baker, two PCV's, Peace Corps Administration Representatives, and two Afghan English teachers has been activated and are hard at work. They intend to develop an outline with measurable objectives.

Dean Baha has firmly stated that the Power Engineering curriculum will be approved before the 30 September deadline established in our evaluation report. We may miss the deadline somewhat, however, on the approval of Management Engineering and Process Engineering, as these two curricula have not been approved by the Department of Mechanical Engineering. We expect no problems with this, however, as the proposals were thoroughly discussed with Professor Johnson before his departure, and the faculty seem to accept the ideas.

Professor Myers reports he is developing a new switching circuit course with Mr. Derrick Krump, Peace Corps Volunteer.

Professor Davis reports that Mr. Angar, the new academic coordinator of the Faculty of Engineering, has been very cooperative in assisting the VTE Department in scheduling of examinations, computing grade averages, and handing out of grade reports to students. This will go a long way

toward making the students of VTE feel that they are part of the Faculty of Engineering.

As reported last month, the Dean's Council has stated positively that VTE is a part of the Faculty of Engineering, and the administration of the Faculty have indicated that the word will be passed to the entire faculty in a meeting shortly after the beginning of the school year in September.

Professor Boardman is preparing and planning a new statistics course in which he will be involved in this semester.

Research and Consulting Activities.

Unfortunately the financial provisions of the KURC Constitution have not yet been approved. We understand they have been delayed in the Ministry of Education for over two months, and it is unknown whether the Ministry intends to go ahead or not. We may be coming to the point where we should consider whether to continue Professor Boardman's efforts in the KURC, or to have him shift his emphasis in University Planning, where things can be accomplished without MOE approval. The failure of the system to act on the KURC Constitution has also serious implications on the new DRR Project. We question whether this project can succeed if provisions for reimbursing faculty for research work are not established.

We understand that the Baseline Study Proposal has been approved by the Ministry of Education and has been forwarded to the Prime Ministry for final approval.

Mr. Fazal Ahmad, Director of Construction for the Ministry of Education, advises that the Ministry has approved the CECSAR contract for designing the Vocational Agricultural Schools, and a committee in the Ministry of Planning has approved it and passed it to the Minister of Planning for his approval. Whether this will complete the approval sequence, we are not sure. This project is far behind schedule, due to the numerous delays in obtaining approvals. The World Bank, which is financing the project, gave its approval several months ago.

CECSAR has been active this month in the Khanabad model study, and with the design of Rural Health Centers.

Professor Young reports that August activity on the University Farm consisted of continued care and harvesting of research and demonstration plots. Sweet corn, radishes, green and wax beans have been harvested and results demonstrate the feasibility of growing these crops in Afghanistan in large quantities. Green peas were planted late and suffered serious bird damage in the seedling stage. However, some useful data was derived in the experiment and the work will be repeated with an earlier planting next year. Other crops

are still growing. It appears that 1976 has been an extremely productive year for the Farm, and it is intended that a detailed report will be made of the various crops grown, yields, and recommendations for adoption of some of these vegetables in Afghanistan. Mr. Frahmand and Professor Naitaqi have been Professor Young's principal counterparts in the farm activity, and have proven extremely competent and industrious. Other faculty members have been involved to lesser extents.

Professor Gibson and Myers have been working with CECSAR on the design of the new building to house equipment for upgrading of the Seismograph Station. It is hoped construction can begin in early September. Bids are now being obtained from contractors.

Professor Davis has been working with George Sawyer, FCV, who will become an advisor to the Carpentry Shop in Kandahar. It is expected this will result in further consulting opportunities for the VTE staff, and provide placement opportunities in practical training for students in Engineering and VTE.

Staff Development Activities.

The English copy of the KU Test Construction Manual has been finished and is presently being translated. The English copy contains 238 pages, not including the appendix. We plan to reproduce the English copy for use in the Faculties of Agriculture and Engineering.

As reported earlier, several USAID participants have been doing research in Afghanistan, and will return to their U.S. campuses. In Agriculture, Professors Mir Aqa, Bahram, and Qaderi have completed data collection for their theses and will leave in late August or early September. Dr. Gene Love, Mr. Qaderi's academic advisor, Penn State University, arrived on July 24th and departed August 5th. He assisted Mr. Qaderi in his data collection and also assisted Mr. Bahram of the University of Wisconsin. Bashir Kazimee of the Architectural Department has completed his work and has returned to MIT. Mr. Monier of Education continues to work on gathering data for his dissertation. It is unknown whether he will be given an extension so that he can return to the U.S. campus to complete his work.

Mr. Razaqpur of the VTE Department left on August 14 for the East-West Center, Hawaii, on a Fullbright scholarship. This leaves the department short of one staff member. Nasir Ahmad Zaidi left also in August for the East-West Center where he will be studying for Ph.D. in Agriculture.

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While in Lincoln during August, Professor Doane checked on the progress of several of our Visiting Lecturers. Dr. Aslamy will return in early September. Dr. Hashem, lecturer in Animal Science, has a very wholesome attitude. His advisor and counterparts report that his research is going very well. Babrak Khaleeq, visiting lecturer in Agronomy, is also intent on doing good work according to his advisor, Dr. Virgil Johnson.

Professor Doane also talked to Mr. Gulistani's academic advisor at UNL. Gulistani is a participant under the previous Wyoming contract, and needs an extension to finish his degree. We have corresponded on this matter.

Professor Doane also learned that Professor Mayar, Animal Science student at Washington State, is doing very well and will finish his degree on time. He visited with Mir Aqa's advisor in Oklahoma State and learned that Mir Aqa will probably finish early. Professor Doane was asked to participate in the thesis evaluation.

OTHER

Professor Myers has provided some assistance to Professor Peter Molnar of MIT, who is in Afghanistan making seismic investigations under NSF funding.

Professor Myers has worked with the Seismic Center in attempting to identify new personnel to hire to fill the staffing pattern.

Professor Glidden talked to USAID participants who departed August 27th under the NDTP for the University of Nebraska at Omaha. He provided orientation concerning the University and the Omaha community.

Professor Myers and Mr. Toofan of USAID/CDE have assisted the KU Maintenance Department in determining repairs needed for the hot water boiler at the University dormitory. Extensive repairs are needed. Costs are now being determined. Funding will be a problem.

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