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ICA - UNIVERSITY OF MINNESOTA CONTRACT

Involving

SEOUL NATIONAL UNIVERSITY

and

REPUBLIC OF KOREA OFFICE OF GENERAL AFFAIRS

September, 1958

DATA ON ICA/UNIVERSITY
OF MINNESOTA CONTRACT PROJECT
September, 1958

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EXHIBIT A

CONTRACT SERVICES

Scope of Services to be Performed by Contractor (per Article I of contract):

"....to carry out during the term of the contract projects and activities in the broad fields of agriculture, engineering, medicine, nursing, and public administration for the purpose of strengthening and developing the educational and research programs of the Seoul National University of Korea...."

Activities to be Carried Out by the Contractor (per Exhibit I of contract) and progress to date:

1. "....will assist ICA and the University in arranging for the observation by the President of the University and the deans of the University's Colleges of Agriculture, Engineering, Medicine, and the dean responsible for Public Administration of methods of education at the University of Minnesota for a period of approximately six months each...."

One University president and three deans have gone to the University of Minnesota to date.

Dr. Chai Kyu Nam was President of Seoul National University in December of 1954 when he visited the University of Minnesota under other than contract auspices. This visit by Dr. Chai aided materially in the establishment of cordial working relationships between Seoul National University's President and the President of the University of Minnesota and his deans and other immediate staff members, and provided an excellent opportunity for person-to-person discussions of Cooperative Project plans and their accomplishment. Dr. Chai went from the presidency of Seoul National University to the Ministry of Education. As Education Minister, Dr. Chai's previous close contact with the cooperative project and all personnel concerned resulted in a continuance of harmonious and mutually beneficial relationships.

President Yun Il Sun, who succeeded Dr. Chai to Seoul National University's Presidency, has been cordially invited to visit the University of Minnesota and other United States institutions at which Cooperative Project participants are studying. It is understood that President Yun hopes to accept this invitation at some mutually convenient date.

The Dean of the College of Agriculture visited Minnesota under contract auspices in early 1955. Dean Cho is still in office.

The Dean of the College of Medicine, also visited Minnesota early in 1955. This Dean (Dr. Lee Chai Koo) became head of the Department of Pathology shortly after his return. The successor to Dr. Lee remained as Dean only a short time, and was then succeeded by Dr. Myung, the present Dean. Dean Myung has not been to Minnesota. It may be possible for him to make a visit to the

United States at some time in the future.

No Dean of Engineering has visited Minnesota under contract auspices. It may be possible for the present Dean (the second since the start of this project) to visit **Minnesota** if the contract termination date is extended.

The present Dean of the College of Veterinary Medicine spent a full year at Minnesota; his predecessor 6 months.

It is hoped it will be possible for the Dean of the College of Law to visit Minnesota and other United States institutions and agencies relative to Public Administration before the end of the contract, if extended.

2. "Selected senior staff or faculty personnel in the respective colleges of the University shall be brought to the University of Minnesota for periods of 6 - 12 months each...."

In addition to deans, 11 department heads and 5 other senior professors spent periods of approximately 6 months at Minnesota and other places of value for them to visit. 6 department heads and 19 other senior (professors and associate professors) faculty members spent approximately 1 year in the United States under contract auspices.

3. "Selected junior staff or faculty personnel in the respective colleges of the University shall be brought to the University of Minnesota for such periods as may be mutually agreed upon by Contractor and the University...."

One hundred and twelve (112) junior faculty members (including 7 from the NOTI) have studied or are studying abroad as Cooperative Project participants. (See Exhibit C for participant data).

4. "As soon as practicable after execution of the contract, the Contractor will send a staff of professional and technical personnel to assist the University in improving administration, teaching and curricula, and, where applicable research projects and programs and extension and demonstration programs in the fields covered by the contract."

See Exhibit B for a tabulation of Minnesota staff members who have served or are serving in Korea to carry out the purposes stated.

5. "Teaching and Research - will advise and aid in training the staff of the University in organization, administration and methods in fields specified above."

(See "4" above).

6. "Consultative Services - will aid in the development of technical consultative services which the University may provide to governmental authorities and to non-governmental groups....".

There has been considerable consultation with Minnesota staff members in agriculture (including Veterinary Medicine, Engineering (Major emphasis on mining, naval architecture, and testing of materials), medicine (all fields) and public administration, but not through organized technical consultative services sponsored by the University. Seoul National University staff members serve as private consultants in many fields.

7. "Special Conferences and Training Programs - on request of the University, will aid in planning and conducting special conferences and training programs in the major fields of activity under the contract...."

The University has thus far requested no aid in planning and conducting special conferences and training programs in the major fields of activity under the contract. However, Minnesota staff members assist in organizing and participate in many seminars on special subjects, and contribute to technical association conferences and programs.

8. "Books, Materials and Supplies - will advise the University on the selection and use of necessary books, equipment and supplies for the activities covered in the contract."

Minnesota has supplied and is supplying advice concerned in all contract areas.

9. ".... shall despatch to Korea, in addition to the Chief Advisor referred to in Article I, B, a field staff, the composition of which shall be mutually agreed upon between the University, the Contractor and ICA...."

(See "4" above).

10. ".... will provide such services at its institution in Minneapolis, Minnesota as may be required properly to carry out the purposes of its employment hereunder and to insure full benefit of its knowledge and experience to the University. Contractor shall provide a home staff, including a member who shall serve as liaison officer between the Contractor's field staff and home institution and as general coordinator of the services to be rendered hereunder".

Has been supplied.

11. Per Exhibit II of the contract, the contractor will also assist in developing plans for ".... the basic operating facilities (laboratories, workshops, classrooms, etc.) necessary properly to carry out the activities set forth...."

Minnesota has assisted and is assisting in the development and carrying out of basic operating facilities plans in all contract areas.

STAFFING PERSONNELEXECUTIVE

<u>Calendar year in which service in Korea began</u>	<u>Name</u>	<u>Field</u>	<u>Approx. total Contract service in Korea</u>
1954	Arthur E. Schneider	Chief Adviser in Korea	3 yrs. 11 mo. (cont.)
1955	N. Gertrude Koll	Administrative Secretary	3 yrs. 3 mo. (")

AGRICULTURE

1955	Dr. Clyde H. Bailey	Agr. Educ. General; Agr. Chemistry	3 mo.
	Prof. Philip W. Manson	Agr. Engineering	3 "
1956	Prof. Paul M. Burson	Soils	6 "
	Dr. Andrew Hustrulid	Agr. Engr. (Physics)	6 "
	Dr. Frank H. Kaufert	Forestry	3 "
1957	Prof. Roy O. Bridgford	Agronomy, Agr. General	1 yr. 6 mo. (cont.)
	Dr. Thomas H. King	Plant Pathology	5½ mo.
	Dr. Clarence E. Mickel	Entomology	6 mo.
	Dr. Willard L. Boyd	Veterinary Medicine	3 mo.

ENGINEERING

1955	Prof. William R. Weems	Engineering, General	1¼ yrs.
	Prof. Carl Graffunder	Architecture	3 mo.
	Dr. Sidney C. Larson	Electrical Engineering	3 mo.
	Prof. Clarence E. Lund	Mechanical Engineering	3 mo.
1956	Prof. William W. Staley	Mining Engr.; Engr. Gen.	1¼ yrs.
	Dr. Chapin A. Harris	Textiles Engineering	3½ mo.
	Dr. Paul Anderson	Civil Engineering	4½ mo.
1957	Prof. J. Harvey Evans	Naval Architecture	3 mo.
1958	Prof. Clarence E. Lund	Engr. General; Mech. Engr.	5 mo. (cont.)
	Dr. C. E. Schwartz	Chemical Engr.	1 mo. (cont.)

MEDICINE

1956	Dr. William F. Maloney	Medicine, General	3½ mo.
1957	Prof. Margory S. Low	Nursing	1 yr. 6 mo. (cont.)
	Dr. James H. Matthews	Anesthesiology; Medicine General	1 yr. 4 mo. (")
	Mr. Glenn R. Mitchell	Hospital Administration	1 yr. 4 mo. (")
	Dr. Edmund B. Flink	Internal Medicine	6 mo.
1958	Dr. George Schimert	Surgery; Medicine General	2 mo. (cont.)
	Dr. E. B. Brown	Physiology	1½ mo. (cont.)

LIBRARY

Prof. Harald Ostvold	Library Science	3 mo.
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PUBLIC ADMINISTRATION

Calendar year in which service in Korea began	Name	Field	Approx. total Contract service in Korea
1957	Prof. George A. Warp*	Public Administration	1 mo.
1958	Dr. Erwin R. Draheim	In-service Training	8½ mo. (cont.)
	Dr. Stuart A. MacCorkle	Overall Adviser, SNU School of Pub. Administration.	5½ mo. (cont.)
	Dr. William O. Farber	Research	1 mo. (cont.)
	Prof. Leigh Hunt	Libraries	1 mo. (cont.)

*In Korea to assist in planning operations under the Public Administration sub-project.

MINNESOTA EXECUTIVE PERSONNEL

1956	Dr. Atholstan F. Spihaus, Dean of the Institute of Technology		1 wk.
	Dr. Malcolm M. Willey, Vice President, Academic Administration		1 wk.
	Mr. William T. Middlebrook, Vice President, Business Administration		1 wk.
	Dr. H. Macy*, Dean of the Instituts of Agriculture		2 mo.
1957	Dr. Tracy F. Tyler, Campus Coordinator, Seoul National University Cooperative Project		2 wks.
1958	Dr. Marion A. McCrea**, Associate Dean, School of Dentistry		3 wks.
	Dr. Sherwood O. Berg***, Head, Department of Agricultural Economics at the University of Minn.		

*In Korea for service with OEC's Division of Agriculture, but available for project consultation.

**In Korea to inquire into the pros and cons of a proposed extension of the ICA/Minnesota contract to include Seoul National University's College of Dentistry.

***In Korea under other than contract auspices to work with the Dept. of Agriculture Economic, College of Agriculture, SNU, in evaluating the present status and future needs of that Department.

PLANS FOR ADDITIONAL MINNESOTA STAFF
(Present Contract)

AGRICULTURE

Adviser in Livestock - Total period of contract service approximately 6 mo.

ENGINEERING

Adviser in Textile Engineering (2) - " " " 6 mo. ca.

MEDICINE

Adviser in Cardiology - " " " 6 mo.

Adviser in Pediatrics - " " " 6 mo.

PUBLIC ADMINISTRATION

Assistant to In-Service

Training Specialist - Total Period of contract service approximately 1 yr.

Specialist (Research) for

work at Seoul National

University - " " " 3/4 yr.

Specialist (Personnel) " " " 3/4 yr.

Specialist (Finance) " " " 3/4 yr.

Specialist (Org. & Meth.) " " " 3/4 yr.

PARTICIPANT DATA

EXHIBIT C

Page 1 of 1 page.

	Total No. Who Have Participated Or Are Participating	No. Who Began Participation Fall Of 1958	Total No. Or Participants, Actual and Planned	Total Who Have Returned To Korea	Total Now Studying In The U.S.	No. of Participants by average Length of Stay Abroad (Actual & Planned)				
						Approx. 6 Months	Approx. 1 Year	Approx. 2 Years	Approx. 3 Years	Approx. 4 Years
<u>Seoul National University</u>										
College of Agriculture	30	2	30	24	6	6 <u>1</u> /	12	8	1	3
College of Vet. Medicine	6	2	6	3	3	1 <u>2</u> /	4	1	-	-
College of Engineering	55	1	55	40	15	10 <u>3</u> /	24	13	5	3
College of Medicine	40	4	40	33	7	3 <u>4</u> /	25	8	2	2
College of Law (Pub. Admin.)	19	8	19	7	12	-	15	4	-	-
<u>Office of General Affairs</u> (National Off. Trng Inst.)										
	7	5	7	2	5	-	7	-	-	-
TOTAL	157	22	157	109	48	20	87	34	8	8
				(70% of total)	(30% of total)	(13%)	(55%)	(22%)	(5%)	(5%)

- 1/ Includes Dean, 3 Dept. Heads, and 2 other senior professors.
 2/ Former Dean (Present Dean has been at Minnesota for 1 year)
 3/ Includes 6 Dept. Heads and 3 other senior professors.
 4/ Former Dean and 2 Dept. Heads.

EXHIBIT D

SUMMARY OF ICA/MINNESOTA CONTRACT OPERATIONAL FACILITIES DOLLAR FUNDS ALLOCATED
FOR FYS 55, 56, 57 AND 58
FOR SEOUL NATIONAL UNIVERSITY REHABILITATION, IMPROVEMENT, EQUIPMENT AND SUPPLIES

	<u>FY 1955</u>	<u>FY 1956</u>	<u>FY 1957</u>	<u>FY 1958</u>	<u>TOTAL</u>
<u>Agriculture</u>					
Rehabilitation and Improvement	\$ 422,300	\$ 650,000	\$ 159,000	\$ 5,000	\$1,236,300
Equipment and Supplies	---	260,000	50,000	20,000	330,000
Sub-total	422,300	910,000	209,000	25,000	1,566,300
<u>Engineering</u>					
Rehabilitation and Improvement	65,200	100,000	676,000	---	841,200
Equipment and Supplies	---	730,000	500,000	134,000	1,364,000
Sub-total	65,200	830,000	1,176,000	134,000	2,205,200
<u>Medicine</u>					
Rehabilitation and Improvement	63,500	275,000	345,000	102,700	786,200
Equipment and Supplies	---	450,000	70,000	171,300	691,300
Sub-total	63,500	725,000	415,000	274,000	1,477,500
<hr/>					
L.A. & S. - Equipment		50,000		40,000	90,000
Vet. Medicine - Equipment		50,000		27,000	77,000
SNU General - Equipment		35,000		---	35,000
		<u>135,000</u>		<u>67,000</u>	<u>202,000</u>
<hr/>					
Total Rehabilitation	551,000	1,025,000	1,180,000	107,700	2,863,700
Total Equipment	---	<u>1,575,000</u>	<u>620,000</u>	<u>392,300</u>	<u>2,587,300</u>
TOTAL	\$ 551,000	\$2,600,000	\$1,800,000	\$ 500,000	\$5,451,000

EXHIBIT E

FUNDING ALLOCATED BY CEB
1955 - 58 Seoul National University Operating Facilities

	<u>Program:</u>	<u>College of Agriculture</u>	<u>College of Engineering</u>	<u>College of Medicine</u>	<u>(Nursing, Hospital)</u>
5-165	\$ 551,000.	\$ 382,828.99	\$ 84,854.75	\$ 83,316.26	
6-16	1,150,000. E	250,000.	500,000.	400,000.	
259 (56)	425,000. E	71,700.	241,600.	111,700.	
259	1,022,097.87	648,306.37	99,482.79	274,308.71	
259 (57)	620,000. E	50,000.	500,000.	70,000.	
259	1,180,000.	156,000.	678,800.	345,200.	
*259 (58)	500,000.	52,000.	134,000.	314,000.	
	<u>\$ 5,448,097.87</u>	<u>\$ 1,610,835.36</u>	<u>\$ 2,238,737.54</u>	<u>\$ 1,598,524.97</u>	

	<u>Program</u>	<u>Released</u>	<u>College of Agriculture</u>	<u>College of Engineering</u>	<u>College of Medicine</u>
5-165	HW 637,110,000	HW 560,110,000	HW 415,630,000	HW 75,650,000	HW 68,830,000
6-16	180,500,000	112,000,000	22,400,000	72,400,000	17,200,000
259 (56)	772,500,000	653,000,000	290,665,000	119,624,000	242,711,000
259 (57)	743,000,000	-			
*259 (58)	800,000,000	-			
	<u>HW 3,133,110,000</u>	<u>HW 1,325,110,000</u>			

* Funding Requested for FY 58.

1955 - 58 Seoul National University Technical Assistant

	<u>Program</u>
4-138	\$ 750,000.
258- (56)	627,055.
258 (57)	422,945.
	<u>\$1,800,000.</u>

EXHIBIT F
ESTIMATE OF ACCOMPLISHMENT

At this stage of the Cooperative Project it appears that the improvement in depth objective of those formulating, funding and administering the undertaking is in a fair way toward being achieved in the original contract fields of agriculture, engineering, medicine, and nursing, and that a substantial start in this direction has been made in the last-added contract field, public administration. In this regard, analysis of the latest figures available indicates that, of the 131 Seoul National University staff members from agriculture, engineering and medicine who have studied abroad under the project thus far, 100 (76%) have completed this aspect of their advanced training and are back in teaching and research at Seoul National University. In public Administration 9 (35%) of the 26 participants have already returned to Korea. Seven of this number were sponsored by SNU and 2 by the Office of General affairs.

Relative to recommendations submitted by Minnesota staff members the following comments continue to be applicable and significant:

1. By and large suggestions for change as a basis for improving instruction and research in all areas are developed through close working relationships effected between Korean and American staff members concerned. Thus the written report in most cases simply makes a matter of record conclusions and courses of action already subjects of much discussion and close agreement.
2. Seoul National University's President and Deans concerned, the Director of the Office of General Affairs and the Dean of the National Officials Training Institute, indicate great interest in changes proposed and, in the main, have given the impression of accepting them as desirable guides for action in the fields concerned.
3. Minnesota staff members respect the competence of their Korean colleagues. Both Korean and American staff members recognize that the advanced study programs of participants under the cooperative project will further advance the level of faculty competence in specific technical areas concerned.
4. The physical things (structures, facilities, equipment) needed for carrying out certain recommendations are in the process of being supplied through the operational facilities portion of the Cooperative Project and in some areas are already exerting a beneficial effect on teaching and research.
5. The basic elements which make possible the effecting of instructional and research changes agreed upon as desirable are either present now in some degree or will be supplied, according to present plans.
6. Many of the changes desired by both Koreans and their American colleagues will come about only through the dedicated efforts of Seoul National University and Korean Government officials and SNU and NOTI faculty members over a long period of time. Some recommendations have already been placed in effect; some may be carried out at an early date with staff and facilities now available; others will require more time.

In order that the Cooperative Project might have the benefit of Korean views on progress thereunder, its worth, and continuing problems which should receive joint attention, the President of SNU has been requested by Minnesota's Chief adviser to provide material on the basis of the following subject headings for the past two 6-month reports:

1. The nature and extent of additional changes in teaching and research that have come about wholly or partially as a result of the Cooperative Project.
2. The nature and extent of changes in teaching and research which will be placed in effect during the next report period as a result of the Cooperative Project. Of particular interest here will be added and improved laboratory offerings.
3. **Physical improvement** (building repair and improvement, and new construction) which have been completed since the beginning of the Cooperative Project.
4. The nature of building repair and improvement, and new construction which will be continued or started during the next six-month period, and planned completion dates for each project.
5. Major obstacles which continue to prevent the introduction of desired changes in teaching and research. Please specify the changes concerned and why it has not been possible to make them.
6. The extent to which new library materials are in use.

These reports submitted in response to this request speak for themselves. They are considered to have significant value for all concerned in judging the Seoul National University Cooperative Project as it has progressed to date.

It is self-evident that for the most effective use of staff and teaching of students certain physical things are required - laboratory and classroom equipment, and appropriate buildings and facilities. Provision is made in the contract for ICA to assist in supplying these operational facilities. Following is summary of accomplishments to date in this area:

EQUIPMENT

As of 1 Sept., 1958 the invoice value of laboratory, classroom and library equipment and supplies purchased by Minnesota for SNU and the ROK Office of General Affairs and received in Korea totalled \$1,049,936. This amount is made up of the following sub-totals:

SNU College of Agriculture	- - - - -	\$173,965
" " " Engineering	- - - - -	503,127
" " " Medicine	- - - - -	299,330
" " " Veterinary Medicine	- - - - -	30,154
" " " Liberal Arts and Sciences	- - - - -	37,967
" " " Law, School of Pub. Administration	- - - - -	5,208
ROK Office of Gen. Affairs, Nat. Officials Training Inst.-		185

Since the arrival of the first materials and supplies for the rehabilitation and improvement of the physical plant at SNU Colleges included in the Cooperative Project, following are the major results to date:

PHYSICAL PLANT

College of Agriculture - A new third story was constructed on the present main building; an addition to the library was built; five quonsets for the storage and protection of building materials and supplies were erected (later to be converted for shop livestock and recreation use); a complete water system was installed; dormitories and a kitchen - dining room were built; a livestock building, silo, two farm equipment storage-shop structures, and the framing for two greenhouses, were erected; and work started on the construction of a new main classroom, laboratory and staff office building, auditorium, and heating plant.

College of Engineering - All present buildings were rehabilitated, including such items as repair of roofs; replacement of windows; replacement of floors; providing new doors; overhaul and improvement of electrical, water and heating systems; construction of a towing tank for Naval Architecture; a start was made on providing security facilities such as window bars and fences; and site preparation for the planned new dormitories and ancillary structures was started.

College of Medicine - Rehabilitation improvement work completed or under way includes roof, window, floor, water system, heating system and electrical system repairs; some painting; construction of two water tanks; improvement of sanitation system; and the construction of a new School of Nursing building which is about 70% completed.

Additional repair and improvement work required at these colleges includes, for the College of Agriculture, completion of the new main building, auditorium, heating plant, and greenhouse structures; conversion of storage quonsets to other intended uses; rehabilitation and/or reconstruction of the Kwangyang Experimental Forest structures and facilities; installation of heating facilities in the old classroom-laboratory building, construction of a new chemistry laboratory building to replace one destroyed by fire since the war; establishment of laundry facilities; construction and installation of additional classroom, laboratory, office and dormitory furnishings; erection of security fences; and provision of hard-surfaced roads and sidewalks for the campus area.

* * * * *

Uncompleted physical plant projects at the College of Engineering include additional work required to ready for student use laboratories for Mechanical Engineering (internal Combustion Engines), Naval Architecture and Aero. Engr. (Aeronautical Engines), Department of Metallurgy (Ore Dressing); to complete and improve for use other laboratories; to provide a machine shop for Mechanical Engineering; to rehabilitate one warehouse and construct another; to erect security fences; and to construct the new dormitories and ancillary facilities.

At the College of Medicine the major uncompleted projects are hospital and ancillary structures rehabilitation and improvement, completion of the new School of Nursing building, and construction of a new dormitory for the School of Nursing. Additional improvement work is still needed at the main Basic Science Building and for its ancillary structures. Hard-surfaced roads and sidewalks must be provided for the College of Medicine (including School of Nursing and Hospital) campus, and some security fences have still to be erected,

At the College of Law a project of immediate importance is the rehabilitation and improvement of the building intended for the new School of Public Administration.

At the National Officials Training Institute major rehabilitation and improvement work has been approved, financed, and will soon start.

EXHIBIT G

Summary of Contract Extension Program Suggested
for the College of Agriculture

Korean Staff to Minnesota

<u>Department</u>	<u>Field</u>	<u>No. of new Participants Proposed</u>	<u>No. of man-years Proposed</u>
Agriculture	Agronomy (Crop relation; forage crops)	1	2
Agricultural Chemistry	Food Technology (nutrition)	1	2
Biology	Plant Pathology	3	6*
"	Entomology	1	2**
"	"	--	1 (Extension for FY 1959 participant)
"	Zoology	1	2
Sericulture	Protein Chemistry	1	2
Agricultural Economics	Prices; Farm Records	1	2
"		--	1 (Extension for FY1959 Participant)
Home Economics (Recently approved new department Specific fields yet to be selected)		<u>3</u>	<u>4</u>
Total		12	23

*6 future man-years would be required to complete Ph.D. programs.

**2 " " " " " " " " programs.

(The program proposed by the Dean, College of Agriculture, for a 2-year extension included 1 additional participant for 2 man-years in Forestry (Erosion Control) 2 additional participants for 2 man-years each in Live-stock (Cattle and Hog Production; Meat Processing); 1 additional participant for 2 man-years in Agricultural Engineering (Soil Mechanics; Hydraulic Structures); 1 additional participant for 2 man-years in Agricultural Chemistry (Soil Science)

and 2 additional participants for 2 man-years each in Agricultural Economics (Extension; Rural Sociology). The College's proposed program had a total of 6 man-years proposed for the Department of Biology for the 2-year extension under consideration; the above summary program proposes 11 man-years for this general area.)

Minnesota Staff to Korea

Three man-years are proposed, with 1 man-year allocated to Agricultural Engineering, 1 to Plant Pathology, and 1 to Agricultural Economics (possibly 2 staff members for 6 months each).

(The college proposal for Minnesota staff was also for a total of 3 man-years within the 2-year extension period. The areas suggested were Agricultural Engineering, Agricultural Economics, and Livestock.)

EXHIBIT H

Summary of Contract Extension Program Suggested
for the College of Veterinary Medicine

Korean Staff to Minnesota

<u>Major Field</u>	<u>No. of new participants proposed</u>	<u>No. of man-years proposed</u>
Three of the following:	3	6
Medicine (large animal medicine and hospital management)		
Pathology		
Pharmacology		
Biochemistry		
Veterinary Parasitology		
Veterinary Medicine (Small animal medicine)		
Radiology		
Public Health		
(Extensions of time for present participants)		
For Ph.D. programs	--	4
For M.S. program	<u>--</u>	<u>1</u>
Total	3	11

(The program proposed by the Dean, College of Veterinary Medicine, for a 2-year extension included 1-year extensions for each of the three participants (since reduced to two because of failure of one to pass his health examination) originally approved for admission to Minnesota this year, and two years each for one participant in each of the above-listed eight fields.)

Minnesota Staff to Korea

Two man-years are proposed - each for a staff member of broad knowledge and experience in Veterinary Medicine who could provide overall technical and administrative advice to the Dean and give specific assistance toward the improvement of teaching and research in one of the areas of Internal Medicine, Surgery, or Pathology. Particular assistance is needed in the organization and conduct of laboratory offerings, and considerable actual demonstration teaching by American staff members would be desirable.

(The College proposal was likewise for two man-years of Minnesota staff time, but allocated for 6-month periods in each of the four major areas of Internal Medicine, Surgery, Pathology and Administration. The College indicated a particular need for help in organizing and conducting laboratory offerings and wants Minnesota staff members who are willing to do considerable demonstration teaching.)

Summary of Contract Extension Program Suggested
for the College of Engineering

Korean Staff for Study Abroad

<u>Major Field</u>	<u>No. of new participants Proposed</u>	<u>No. of man-years Proposed</u>
Chemistry	1	2
Chemical Engineering	1	2
" "	--	1 (Extension for FY 59 partic.)
Mathematics	1	2
Physics	1	2
Textile Engineering	1	2
" "	--	1 (Extension for present partic.)
Mechanical Engineering	1	0.5 (Head of Dept.)
Nuclear Engineering	2	4
Dean	<u>1</u>	<u>0.5</u>
Total	9	17

(The Program proposed by the Dean, College of Engineering, for a 2-year extension involved sending 14 present or potential staff members abroad for a total, including extensions of stay for some staff members now abroad, of 35 man-years of graduate study.)

Minnesota Staff to Korea

Two man-years are proposed for an overall adviser in Engineering, 1 for Nuclear Engineering, an additional $\frac{1}{2}$ man-year for Chemical Engineering (Unit Operations), and $\frac{1}{2}$ man-year for Aeronautical Engineering.

(The College proposal was for $4\frac{1}{2}$ man-years, with primary attention to the areas indicated.)

Summary of Contract Extension Program Suggested
for the College of Medicine

Korean Staff to Minnesota

<u>Area</u>	<u>No. of new participants proposed</u>	<u>No. of man-years proposed</u>
College of Medicine - Basic Science	7	14
" " Clinic	8	14
School of Nursing	4	6
Hospital Nursing	4	4½
School of Public Health (If approved by National Assembly)	4	6
Hospital Administration	3	3½
Clinical Pathology	2	4
Total	32	52

Minnesota Staff to Korea

The Dean, College of Medicine, and Minnesota advisers in Medicine are in agreement that 10 additional man-years of American staff time would be desirable under a 2-year extension. An overall adviser is desired for 2 man-years, and 2 man-years are desired for medical specialists; 2 man-years each are needed in the fields of Nursing, Public Health and Hospital Administration.

Summary of Contract Extension Program Suggested
for Public Administration

Korean Staff to Minnesota

<u>Area</u>	<u>No. of new participants proposed</u>	<u>No. of man-years proposed</u>	<u>Remarks</u>
Seoul National University College of Law	2	1	For two observation tours of 6 months each
	--	4	To complete present Ph.D. program
	--	7	To complete new Ph.D. programs.
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Total	2	12	

National Officials Training Institute	4	4	
	--	2	1-year extension for each of 2 present participants.
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Total	4	6	

Minnesota Staff to Korea

Seoul National University College of Law -- A total of 13 man-years: 2 years overall adviser; 2 years adviser in research; 1 year 9 months each for advisers in personnel administration, in financial administration, in organization and management; 1 year each for advisers in accounting, local government, and public relations and reporting; 3 months each for 3 special consultants.

National Officials Training Institute -- A total of 3 man-years; 2 years overall advisor; 1 year assistant to advisor.