

M.I.T.  
Ayra-Mehr Univ.  
of Technology

ok



Massachusetts Institute of Technology  
Center for Advanced Engineering Study  
Cambridge, Massachusetts, 02139

Room 9-221

21 February 1975

Dr. Manson Benedict  
2151 Gulf Shore Boulevard, N.  
Naples, Florida 33940

Dear Manson:

Thank you for sending me a copy of your letter to Dr. Wiesner.

I have processed the travel expense voucher for your expenses. The check for \$703.61 will be sent directly to you.

I am sorry to report that I cannot request reimbursement for your wife's expenses. If you can write to me saying that Dr. Zarghamee asked you to bring your wife and agreed to pay her expenses, or if you can write to me telling me why it was essential for your wife to accompany you, I will submit a request for payment.

Sincerely,

Paul E. Brown  
Assistant Director

PEB/rc  
Enc.

Room 9-221

21 February 1975

MEMO TO: Mr. Robert Sullivan

FROM: Paul Brown

I have attached a travel expense form for the expenses incurred by Dr. Manson Benedict in visiting the Arya Mehr University in Tehran, Iran. President J. Wiesner asked Dr. Benedict to visit the Arya Mehr University on his way home from a conference he was attending in Taipei. Prof. Benedict submitted his expenses to me itemized on a piece of hotel stationery. He did not include receipts.

I am sure these are legitimate expenses. I hope you can send Dr. Benedict a check without the receipts.

Paul E. Brown  
Assistant Director

PEB/rc  
Enc.

bcc: Dr. Manson Benedict

**MASSACHUSETTS INSTITUTE OF TECHNOLOGY  
COMPTROLLER'S ACCOUNTING OFFICE  
TRAVEL EXPENSE VOUCHER**

PROJECT/ACCOUNT NO. 82295  
ACCTG. VOUCHER NO. \_\_\_\_\_

NAME Dr. Manson Benedict EMPLOYEE  YES  NO  
ADDRESS 2151 Gulf Shore Boulevard, N., Naples, Florida 33940  
DATE TRIP STARTED January 25, 1975 TIME \_\_\_\_\_ AM/PM DATE TRIP ENDED Feb. 3, 1975 TIME \_\_\_\_\_ AM/PM  
PURPOSE OF TRIP To discuss nuclear engineering at the Arya-Mehr University, Tehran

TRANSPORTATION LEAVE AMOUNT COLUMN BLANK IF TICKETS WERE FURNISHED				AMOUNT	
DATE	FROM	TO	MODE		
Jan. 25 -	Additional air fare to travel to Tehran			\$	441 00
Feb. 2	from Taipei				
PRIVATELY OWNED AUTOMOBILE _____ MILES @ _____ PER MILE TOLL CHARGES _____					
TAXI, BUS, ETC.					
DATE	FROM	TO	MODE		
Jan. 25-27	in Bangkok		taxi		12 00
	in Tehran		taxi		9 75
SUBSISTENCE					
HOTEL <u>See attached statement</u>			NUMBER OF NIGHTS		164 75
			NUMBER OF MEALS		42 75
PER DIEM ALLOWANCE (IN LIEU OF HOTEL AND MEAL CHARGES)			DAYS @	PER DAY	
OTHER EXPENSES (ITEMIZE)					
<u>Airport, taxis and cables</u>					33 36
PLEASE ATTACH TICKET STUBS AND HOTEL BILLS					
				TRAVELER'S EXPENSE	\$ 703.61
				LESS-CASH ADVANCE	
				NET AMOUNT DUE:	
				M.I.T.	\$
				TRAVELER	\$ 703.61
SIGNATURE OF TRAVELER				FURNISHED TICKETS	
<u>Paul E. Brown</u> <u>Feb. 24, 1975</u> APPROVED DATE				<b>ACCOUNTING USE ONLY</b>	
				TOTAL COST OF TRIP	



# Royal Tehran Hilton

TEHRAN, IRAN

Additional Expenses Incurred by Manson Benedict  
in Coming to Tehran to Discuss Nuclear Engineering  
at Arya-Mehr University after Attending  
Nuclear Power Conference at Taipei, Taiwan  
on Jan. 11-25

<u>Dates</u>	<u>Place</u>	<u>Hotel</u>	<u>Meals</u>	<u>Taxi</u>	<u>Airport Tax &amp; Cables</u>	<u>Total</u>
Jan. 25-27	Bangkok	56.08	23.34	12.00	1.00	92.42
Jan. 28-29	Delhi				23.30	23.30
Jan. 30-Feb. 2	Tehran	108.67	19.41	9.75	9.06	146.89
						<del>137.89</del>
						<del>262.61</del>
						<del>253.61</del>
						441.00
						<del>694.61</del>
						703.61

Additional Air Fare

Dear Paul Brown:

The expenses incurred by Professor Benedict  
in coming to Tehran is chargeable to our  
account in accordance with our agreement

Sincerely,  
Mehdi S. Zarghamee  
Vice Chancellor  
AMUT.

February 23, 1975

Professor F. Sefidvash  
Arya-Mehr University of Technology  
P. O. Box 3406  
Tehran, Iran

Dear Frank:

I'm returning herewith the draft of Proceedings of a Seminar on Nuclear Engineering Education forwarded with your letter of February 11. I've corrected the transcript of my remarks. You and Mrs. Shirazi did a very good job.

I'm very glad to have been able to visit your University and to participate in the Seminar. Please tell Dr. Zarghamee how much I appreciated the opportunity.

Mrs. Benedict and I would like to thank you for your kindness in taking us sightseeing, rug hunting and to the sunken restaurant for lunch. It was very kind of you to devote your sabbath to our entertainment.

I would be very glad to hear from you if I can be of additional assistance as your nuclear engineering program develops.

Mrs. Benedict joins me in sending you our best regards.

encl.

Sincerely yours,

Manson Benedict

ARYA-MEHR  
UNIVERSITY OF TECHNOLOGY  
P. O. Box 3406  
Tehran , Iran



No 55259

Date Feb. 11, 1975

RECEIVED  
FEB 19 1975  
M. BENEDICT, M. I. T.

Professor Manson Benedict  
Department of Nuclear Engineering  
Room 24 - 109  
Massachusetts Institute of Technology  
Cambridge, Massachusetts  
U.S.A.

Dear Professor Benedict:

I would like to express my sincere thanks for your acceptance of our invitation to participate in the Seminar on Nuclear Engineering Education which was held at Arya-Mehr University on January 30, 1975. Your contribution helped to make it a great success and those in attendance benefited immensely.

Enclosed I am sending you a draft copy of the proceedings for the seminar and would like to ask that you please feel free to make any additions, deletions or changes which you deem necessary, and return it to:

Mrs. Carolyn Shirazi  
c/o Isfahan Project Office  
Arya-Mehr University of Technology  
P. O. Box 3406  
Tehran, Iran

We will then incorporate such changes and send you a final copy.

Again, on behalf of myself and Arya-Mehr University, thank you for contributing to the seminar.

Sincerely yours,

A handwritten signature in dark ink, appearing to read 'F. Sefidvash', written in a cursive style.

F. Sefidvash

FS: cs  
Enclosure

February 5, 1975

Dr. J. B. Wiesner, President  
Massachusetts Institute of Technology  
Cambridge, Mass. 02139

Dear Jerry:

Following your initiative and on invitation from Dr. Zarghamee, Vice Chancellor of Arya-Mehr University, I spent three days in Tehran, from Jan. 30 to Feb. 2. I took part in a three-hour panel discussion on Nuclear Engineering Education, per the enclosed announcement. The discussion was attended and participated in by about 40 Iranian educators and government officials and representatives from the U. S. Embassy and General Electric. Dr. Nasr opened the meeting and asked Dr. Farsa, Vice-Minister for Education to serve as moderator. He led the discussion generally in accordance with the enclosed "Items for Discussion".

Although I don't think that anything of an unusual character developed from the meeting, a number of the participants said they thought it was very helpful. The main point which seemed to emerge was that in the undergraduate program at the future Isfahan campus of Arya-Mehr, nuclear engineering would be best presented as a rather comprehensive minor to be offered by the Energy Department of that campus.

On February 1 I spent three hours with Dr. Zarghamee, Dr. Fayvar (Chairman-to-be of the Energy Department at Isfahan) and Dr. Sefidvash, Professor of Nuclear Engineering at the Tehran campus of Arya-Mehr. Our main focus was on the syllabus for an undergraduate minor in Nuclear Engineering for an Energy Department. I presented the enclosed schedule of courses as a starting point for discussion. Although modified somewhat in subsequent discussion, the main outline remained.

We concluded that the minimum nuclear engineering faculty needed to present such an undergraduate program and offer a master's degree in nuclear engineering would consist of

- 2 reactor physicists
- 2 reactor engineers
- 1 nuclear materials man
- 1 man on instrumentation and control
- 1 numerical analyst
- 1 nuclear chemical engineer
- 1 man on radiation protection and shielding

Dr. J. B. Wiesner

Page 2

Feb. 5, 1975

I advised Arya-Mehr to limit themselves to a small training reactor, but to obtain access to the large research reactor the Iranian AEC is planning to build in Isfahan.

I think that my visit was useful. It seems to have been appreciated.

cc Dr. Paul Brown (w encl)

Sincerely,

Manson Benedict

P. S. Dear Paul:

Dr. Zarghamee approved the enclosed statement of my travel expenses. I made a mistake in adding the expenses at Tehran. They should be \$147.89, and the total should be \$704.61.

As my wife was travelling with me, we incurred additional expenses on her account in the amount of

Jan. 25-27	Bangkok Hotel	\$6.00	Meals	\$28.34	Other	\$1.00	Total	\$35.34
Jan. 30 - Feb. 2	Tehran	12.90		21.42		6.71		41.03
			Additional air fare					441.00
						Total		\$517.37

If any of my wife's expenses are reimbursable, we'd appreciate it.

If you get a check for us before April 1, please mail it to me at the Florida address at the head of this letter.

Sincerely,

SEMINAR ON NUCLEAR ENGINEERING EDUCATION

at

Arya-Mehr University of Technology, Tehran

January 30, 1975 10-12 A. M.

Items for discussion:

1. Philosophy, direction, and general problems of nuclear engineering education.
2. The present and future requirements of Iran for nuclear engineers, for:
  - a. Operation and maintenance of nuclear power plants.
  - b. Research and development in nuclear industry.
  - c. Academic activities.
3. The minimum capabilities required from the universities offering nuclear engineering programs in terms of courses and laboratories, for:
  - a. Undergraduate program
    1. As a minor
    2. B.S. Degree
  - b. Graduate program
    1. M.S. Degree

MB



# Royal Tehran Hilton

TEHRAN, IRAN

Additional Expenses Incurred by Manson Benedict  
in Coming to Tehran to Discuss Nuclear Engineering  
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on Jan. 11-25

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Jan. 30-Feb. 2	Tehran	108.67	19.41	9.75	9.06	137.89
						<u>253.61</u>
Additional Air Fare						<u>441.00</u>
						694.61

Dear Paul Brown:

The expenses incurred by Professor Benedict  
in coming to Tehran is chargeable to our  
account in accordance with our agreement

Sincerely,  
Mehdi S. Zarghamee  
Vice Chancellor  
AMUT.

24-109

3805

July 26, 1974

Dr. Mehdi S. Zarghamee  
Vice Chancellor  
Ayra-Mehy University of Technology  
P. O. Box 3406  
Tehran, Iran

*Arya-Mehr University*

Dear Dr. Zarghamee:

I'm enclosing a letter I drafted on June 25 in response to your cabled invitation of June 22 to visit your university. I've just found that the letter was never sent, through an oversight which I greatly regret. I hope that the information will still be useful to you. Please accept my apology for the delay.

Yours sincerely,

Manson Benedict  
Institute Professor Emeritus

MB:fg  
cc: Dr. J. B. Wiesner

*MIT*

SEMINAR ON NUCLEAR ENGINEERING EDUCATION

at

Arya-Mehr University of Technology, Tehran

January 30, 1975 10-12 A.M.

Items for discussion:

1. Philosophy, direction, and general problems of nuclear engineering education.
2. The present and future requirements of Iran for nuclear engineers, for:
  - a. Operation and maintenance of nuclear power plants.
  - b. Research and development in nuclear industry.
  - c. Academic activities.
3. The minimum capabilities required from the universities offering nuclear engineering programs in terms of courses and laboratories, for:
  - a. Undergraduate program
    1. As a minor
    2. B.S. Degree
  - b. Graduate program
    1. M.S. Degree

By nuclear engineering education may be meant anything from education for nuclear power plant engineering to education for development of nuclear technology in the broadest possible sense. The objectives of my school, MIT, has been the broad kind of program. Until now we have given only graduate degrees. However, now that many nuclear power plants of a fairly standard type have been built, it is clear that an undergraduate program aimed at training engineers to design, build and operate plants of this standard type would also be valuable, and we are proposing to the MIT Administration that an undergraduate program also be offered. Even this program, however is broader

Dear.....  
Professor Benedict

Arya-Mehr University of Technology would like to invite you to attend a seminar on

**NUCLEAR ENGINEERING EDUCATION**

The members of the panel are Professor M. Benedict, Emeritus Professor of M.I.T., Dr. A.C. Eurich, President and Chief Executive Officer of Academy for Educational Development, and Dr. H.A. Quihillalt, the IAEA's advisor to the Atomic Energy Organization.

**Date: Thursday January 30, 1975**

**Time: 10-12 A.M. Seminar**

**12 Lunch**

**Place: The Faculty Room of Arya-Mehr  
University of Technology**



جناب آقای

دانشگاه صنعتی آریا مهر بدینوسیله از جناب عالی دعوت مینماید که برای شرکت در سمینار آموزش مهندسی هسته ای که با حضور آقایان پروفیسوریندیکت از دانشگاه ام. ای. تی و دکتر اورپخ رئیس آکادمی توسعه و بهبود روشهای آموزشی و دکتر کیلات مشاور سازمان انرژی اتمی ایران تشکیل میشود حضور بهر رسانند.

تاریخ: پنجشنبه ۱۰ بهمن ۵۳

وقت: ۱۲ - ۱۰ سمینار

۱۲ ناهار

محل: اطاق شورای دانشگاه صنعتی آریا مهر

December 6, 1974

Dr. Mehdi S. Zarghamee  
Vice Chancellor  
Ayra-Mehr University of Technology  
P. O. Box 3406  
Tehran, Iran

Dear Dr. Zarghamee:

Thank you for your cable of November 17 inviting me to include Tehran in my travel plan for January. While waiting for your letter amplifying the information in your cable, I have considered it advisable to obtain reservations for visiting Tehran at a specific time. Mrs. Benedict and I presently are booked to be in Tehran between 11:30 a.m. on January 28 and 10:30 a.m. on January 31.

Please let me know as soon as possible whether these dates are satisfactory for you and whether a 2 1/2 - day stay is long enough for me to be helpful to you. I need to know also what topics you would like me to be prepared to discuss.

Yours sincerely,

Manson Benedict  
Institute Professor Emeritus

MB:fg  
cc: Dr. J. B. Wiesner

**WU**  
western union

# Telegram

BBF 008(0421)(1-040771G 321)PD 11/17/74 0420

ICS IPMIIHA IISS

IISS FM ITT 17 0420

PMS CAMBRIDGE MA

AWM049 VIA ITT BUI337

UINX HL IRTN 023

TEHERAN 23 17 1043

LT

PROFESSOR MANSON BENEDICT RM 24-109

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

CAMBRIDGE MASSACHUSETTS 02139

PLEASE INCLUDE TEHERAN IN TRAVEL PLAN FOR

JANUARY STOP LETTER FOLLOWS ZARGHAMEE

COL CKD

NNN

NNNN

*Fran*  
*Please*

~~4951000~~  
*start full for*  
*Arya-Mehr*  
*University*  
*or do we have*  
*one now?*

*235 1151 home*

NO. <del>2531000</del>	TO <i>M.B.</i>
BY <i>HP</i>	TO PR
AT <i>(17)</i>	
<i>17) DA 1215 P TN</i>	<i>440p Mail</i>



# Telegram

— BBE064(1510)(1-157431G359)PD 12/25/74 1509

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PMS CAMBRIDGE MA

WUE2163 INU699

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THERAN 43/42 25 1945

LT

PROFESSOR MANSON BENEDICT M.I.T ROOM 24-109 CAMBRIDGE  
MASSACHUSETTS

WE TREASURE OFFERED LIMITED OPPORTUNITY STOP PROPOSING FOLLOWING  
ARRANGEMENTS STOP WEDNESDAY DISCUSSING NUCLEAR ENGINEERING  
EDUCATION ARYA-MEHR STOP THURSDAY SEMINAR GIVE TWO LECTURES ON  
NUCLEAR ENGINEERING EDUCATION AND PWR STOP ANXIOUSLY AWAITING  
YOUR ARRIVAL ZARGHAMEE  
COLLT 24-109

CAM



**western union**

# Telegram

BBC119(1635)(1-162542G173)PD 06/22/74 1634

ICS IPMIIHA IISS  
 IISS F M RCA 22 1634  
 PMS CAMBRIDGE MA  
 WUB7960 INU607  
 URNX HL IRTX 049  
 MEHRABAD 49 22 1900

*Ayra-Mehr  
 Univ of Technology*

*CA Mon  
 AM*

LT

PROFESSOR MANSON BENDICT NUCLEAR ENGINEERING DEPARTMENT M.I.  
 CAMBRIDGE MASS

UPON THE RECOMMENDATION OF DR WIESNER WE WOULD LIKE TO EXTEND TO  
 YOU AN INVITATION TO COME TO IRAN FOR A WEEK OR TWO AS SOON AS  
 POSSIBLE AS A GUEST OF THIS UNIVERSITY  
 ZARGHAMEE VICE CHANCELOR AMUT TEHERAN  
 COL LT M.I.

*Samii, President  
 of Science & Higher Education  
 National Res.  
 Source*

IRPT M.I.,T

Teletype

RECEIVED  
JUN 22 1974

AM 9 06

BBCT10(153) (1-1525426173) PD 000577A 153A

JUN 22 1974  
PM 6 46  
MEMPHIS TN 38003  
UNIVERSITY OF TENNESSEE  
KAMR 001  
CAMBRIDGE MA  
JUN 22 1974

PROFESSOR MARSHALL BENEDICT NUCLEAR ENGINEERING DEPARTMENT N.I.  
CAMBRIDGE MASS  
UPON THE RECOMMENDATION OF DR WIESNER WE WOULD LIKE TO EXTEND TO  
YOU AN INVITATION TO COME TO LEARN FOR A WEEK OR TWO AS SOON AS  
POSSIBLE AS A GUEST OF THIS UNIVERSITY  
SARAHAMEE WIFE CHANCELLOR OF THE UNIVERSITY

C-979019

COL LT N.I.  
1974 JUN 22

MGMSNT HSB  
2-041854E354002 12/20/74  
ICS IPMMTZZ CSP  
1 6172533805 MGM TDMT CAMBRIDGE MA 12-20 0439P EST  
ZIP 02139

 **Mailgram**



THIS MAILGRAM WAS TRANSMITTED ELECTRONICALLY BY WESTERN UNION TO A POST OFFICE NEAR YOU FOR DELIVERY

DR MANSON BENEDICT  
MASSACHUSETTS INSTITUTE OF TECHNOLOGY FG 77 MASSACHUSETTS AVE  
RM 24-109  
CAMBRIDGE MA 02139

THIS MAILGRAM IS A CONFIRMATION COPY OF THE FOLLOWING MESSAGE:

INTL TDMT CAMBRIDGE MA 12-20 0439P EST  
INT DR MEHDI ZARGHAMEE VICE CHANCELLOR AYRA/MEHR UNIVERSITY OF  
TECHNOLOGY  
PO BOX 3406  
TEHERAN (IRAN)  
AM LEAVING CAMBRIDGE DECEMBER 26 PLEASE REPLY TO MY LETTER OF  
DECEMBER 6 BEFORE THEN  
BENEDICT

COL 3406 26 6  
16:39 EST

MGMSNT HSB

TO REPLY BY MAILGRAM, PHONE WESTERN UNION TOLL FREE ANY TIME, DAY OR NIGHT:

ALABAMA ..... 800 325 5300  
ARIZONA ..... 800 648 4100  
ARKANSAS ..... 800 325 5100  
CALIFORNIA ..... 800 648 4100  
COLORADO ..... 800 325 5400  
CONNECTICUT ..... 800 257 2211  
DELAWARE ..... 800 257 2211  
DISTRICT OF COLUMBIA ..... 800 257 2211  
FLORIDA ..... 800 325 5500  
GEORGIA ..... 800 257 2231  
IDAHO ..... 800 648 4100  
ILLINOIS ..... 800 325 5100  
INDIANA ..... 800 325 5200  
IOWA ..... 800 325 5100  
KANSAS ..... 800 325 5100  
KENTUCKY ..... 800 325 5100  
LOUISIANA ..... 800 325 5300  
MAINE ..... 800 257 2231  
MARYLAND ..... 800 257 2211  
MASSACHUSETTS ..... 800 257 2221  
MICHIGAN ..... 800 325 5300  
MINNESOTA ..... 800 325 5300  
MISSISSIPPI ..... 800 325 5200  
MISSOURI ..... 800 342 5700  
MONTANA ..... 800 325 5500  
NEBRASKA ..... 800 325 5100  
NEVADA ..... 800 992 5700  
NEW HAMPSHIRE ..... 800 257 2221  
NEW JERSEY ..... 800 632 2271  
NEW MEXICO ..... 800 325 5400

NEW YORK

Areas 315, 518, 607 & 716 ..... 800 257 2221  
Areas 212, 516 & 914 ..... 800 257 2211  
    Except Manhattan ..... 962 7111  
    Bronx ..... 962 7111  
    Queens ..... 459 8100  
    Brooklyn ..... 459 8100  
NORTH CAROLINA ..... 800 257 2231  
NORTH DAKOTA ..... 800 325 5400  
OHIO ..... 800 325 5300  
OKLAHOMA ..... 800 325 5100  
OREGON ..... 800 648 4100  
PENNSYLVANIA  
    Areas 215 & 717 ..... 800 257 2211  
    Areas 412 & 814 ..... 800 257 2221  
RHODE ISLAND ..... 800 257 2221  
SOUTH CAROLINA ..... 800 257 2231  
SOUTH DAKOTA ..... 800 325 5300  
TENNESSEE ..... 800 325 5100  
TEXAS ..... 800 325 5300  
UTAH ..... 800 648 4100  
VERMONT ..... 800 257 2221  
VIRGINIA ..... 800 257 2221  
WASHINGTON ..... 800 648 4500  
WEST VIRGINIA ..... 800 257 2221  
WISCONSIN ..... 800 325 5200  
WYOMING ..... 800 648 4500

OR DIAL WESTERN UNION'S INFOMASTER SYSTEM DIRECTLY:

FROM TELEX ..... 6161

FROM TWX ..... 910 420 1212

October 31, 1974

Dr. Mehdi S. Zarghamee  
Vice Chancellor  
Ayra-Mehr University of Technology  
P. O. Box 3406  
Tehran, Iran

Dear Dr. Zarghamee:

Please refer to my letters of June 25 and July 26 regarding my possible visit to your University next January.

I am completing travel arrangements to visit Taiwan in mid-January and could continue around the world to stop in Tehran in late January if you would like me to visit your University. The additional cost of my air transportation would be approximately \$550.

Please let me know:

- (1) If you would still wish to have me come to Tehran in late January;
- (2) If you would be willing to pay the additional travel and transportation expenses I would incur by extending my trip to include Tehran;
- (3) What topics you would like me to be prepared to discuss in Tehran.

Sincerely yours,

Manson Benedict  
Institute Professor Emeritus

MB:fg  
cc: Dr. J. B. Wiesner



DEPARTMENT OF NUCLEAR ENGINEERING  
MASSACHUSETTS INSTITUTE OF TECHNOLOGY

77 Massachusetts Avenue

Cambridge, Massachusetts 02139

Room: 24-109

*Xc sent to Dr Wiesner on 7/25  
with note: Would you approve this  
letter or can I suggest revisions?*

June 25, 1974

(617)253-3805

*ms*

Dr. Mehdi S. Zarghamee  
Vice Chancellor  
Ayra-Mehr University of Technology  
P.O. Box 3406  
Tehran, Iran

Dear Dr. Zarghamee:

Thank you for your cable of June 22 inviting me to visit Iran as a guest of your University. Unfortunately, I cannot come in the immediate future, as I have just returned to MIT after an extended trip abroad and am obligated to remain here until next January.

By coincidence, my trip abroad included a ten-day visit to Iran, including a stop in Tehran on May 26-29. On May 27 I gave two lectures at the Tehran Polytechnic, one on Nuclear Power Options and the other on Uranium Enrichment. I discussed with Dr. Etemad his and the Shah's plans for developing a nuclear power industry in Iran. This gives me some understanding of the present situation in your country regarding manpower needs for nuclear developments. I've also learned through brief discussion with Dr. Wiesner his impression of the main topics you would like to discuss with me, relating to the training of engineers for an expanding nuclear industry.

I gather that one of the principal subjects you'd like my views on is whether your school should build a nuclear reactor for training nuclear engineers. Let me make a few points on that subject.

Experience with and at an operating nuclear reactor is extremely valuable for student nuclear engineers. However, even a small nuclear reactor is a very expensive facility to build and to operate. Unless you have a large number of students using the reactor, a hundred or more, the per-student cost is excessive. I think it would make good sense for your school and other schools in Tehran interested in training students in nuclear technology, such as the Tehran Polytechnic, to make common cause with the Iranian Atomic Energy Commission, to build a reactor which could be used jointly by the schools and the Commission. Dr. Wiesner thinks that Dr. Samii would

support such an arrangement.

In Greece and Turkey, where I also lectured, schools in Athens and Istanbul have made arrangements to use research reactors owned by the national Atomic Energy Commissions. Admittedly, the arrangements are not ideal from the schools' standpoint, but the schools are spared most of the financial and administrative headaches.

If you would like to discuss these matters further with me and could wait for my visit till next January, I would be very happy to come to Tehran at that time. If you wish direct advice sooner, you might consider inviting Dr. Elliot Pierce of the U.S. Atomic Energy Commission in Washington to visit you. Until about a year ago Dr. Pierce was Director of the USEAC's Division of Nuclear Education and Training.

Sincerely yours,

Manson Benedict  
Institute Professor Emeritus

cc: Dr. J.B. Wiesner

24-109

December 26, 1974

3805

Dr. Mehdi Zarghamee  
Vice Chancellor  
Arya Mehr University of Technology  
P. O. Box 3406  
Tehran, Iran

Dear Dr. Zarghamee:

Thank you for your cable of December 25.

I will be at your service as you requested on January 29  
and 30.

A schedule of my whereabouts between now and then is enclosed  
in case you wish to contact me.

Sincerely yours,

Manson Benedict  
Institute Professor Emeritus

MB:fg  
Enclosure