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Summer work, Spectroscopy Laboratory at MIT
1940 - 1948

THE COLLEGE CLUB
40 COMMONWEALTH AVENUE
BOSTON, MASS.

May 25, 1940.

Miss Dorothy W. Weeks,
Wilson College,
Chambersburg, Pa.

My dear Miss Weeks:

The House Committee discussed the problem of reducing the charge for rooms if any of your student workers cared to live at the Club this summer. They decided to make a special rate of \$5.00 per week if two lived in a double room. Should you know of any who are interested you might send them our way.

I scarcely had a glimpse of you at spring vacation time. I think I'll have to speak to your friend in Wellesley about "taking you in" so much. We miss you at The College Club.

Greetings from us all especially Miss Kenney who'll be writing this.

Sincerely yours,

Marie L. Knapp

Manager, The College Club

THE COLLEGE CLUB
40 COMMONWEALTH AVENUE
BOSTON, MASS.

June 5, 1940.

Miss Dorothy Weeks,
Wilson College,
Chambersburg, Pa.

My dear Miss Weeks:

We have your letter of May
twenty-ninth and we have reserved a room for
the girls from M.I.T. beginning on June 12.

We are also looking forward
to your arrival on the sixteenth.

Most sincerely,

Wm. L. Knapp
Manager, The College Club

Members of the "Charm School" for summer 1940:

Mount Holyoke College:

Isabel A. Barber	Physics major,	class, 1941
Reina Sabel	" "	" "
Barbara A. Wright	" "	" 1940

(These girls will report Tuesday A.M. June 11)

Radcliffe College:

Katherine J. Russell	Physics major	class, 1942
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(Will report Thursday A.M. June 13, but will begin to attend class, on the 11th)

Smith College:

Kathleen Kane <i>subbed out</i>	Graduate student in physics	
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Vassar College:

Molly Bigelow	Physics major,	class, 1941
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(Will report Tuesday A.M., June 11)

Wilson College:

Betty Faylor	Physics major,	class, 1941
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(will report Wednesday A.M., June 12)

Esther Johnson	Mathematics major,	class, 1941
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(Will report, Tuesday A.M., June 11, 1940)

Members of the "Charm School" for summer 1940.

Mount Holyoke College:

Isabel A. Barber	physics major	class of '41
Rena Sabel	" "	" "
Barbara A. Wright	" "	" '40

Radcliffe College:

Katherine J. Russell	" "	" '42
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Smith College:

Kathleen Kane	graduate student in physics	
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Vassar College:

Molly Bigelow	physics major	class of '41
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Wilson College:

Betty Failor	" "	" "
Esther Johnson	math. "	" "

Dear Miss Weeks

I was over at the house this evening and met the four girls who are here on George Harrison's project. They seemed happy and enthusiastic and were just leaving for dinner at the Harrisons. Mrs. Alvard reports that they are a fine addition to the group.

It is a delight to me to see our house working so well - too well almost. It is already full for

the fall and no Freshmen taken in.
We hope for a few cancellations!

Sincerely yours

Margaret Compton

June 11, 1946

Dear Mrs. Compton:

Two Goucher students have joined my group and wish to room at the Women's Dormitory. Is there still room for them? Does the price of about \$21.00 a week include room, breakfasts and dinners?

Your recent letter has been received. My two students are delighted about their living arrangements. The two Goucher students are -- Angeline Coultas of the class of '47 and June Rita Herbert of the class of '46. I do not know either, but they have been well recommended by Miss Barton, Head of the Physics Department.

Sincerely yours,

Summer address:
The Westchester 650B, 4000 Cathedral Ave. N.W.
Washington 16, D.C.

Dear Miss Weeks.

All linen, bedding etc is provided at the Warriner's Dormitory. We are delighted to have your two girls in the group this summer and Mrs. Alwood will be expecting them June 30th.

The address is 120 Bay State Rd., Boston. If they should change their plans as to time of arrival they should notify Mrs. Margaret Alwood at that address.

Sincerely yours
Margaret H. Crompton

June 1, 1946.

Dear Mrs. Compton:

Two of my students have volunteered to spend the six weeks from the first of July through the ninth of August, assisting with the spectroscopy project at M. I. T. They are looking forward to living in the Women's Student House, and will be content with any arrangement you make. Neither one is mature enough to assume the responsibility of head of the house. Elaine Hungerman is graduating this month and Marjorie^{Lee} is completing her junior year with us. Will these girls need to provide any sheets, pillowcases, towels, etc. Incidentally, I have forgotten the address of the Women's Student House. The girls plan to arrive the evening of June 30th.

At present it does not look as though there will be students from any of the other colleges for women, although at the last minute the situation may change. I suppose paid jobs are still available for the students during the summer.

Very sincerely yours,

Dear Miss Luels,

The days have run along too fast and I am therefore late in sending you more definite word about the places in the Women's Student House for this summer. We think now that there will be six places available. The house will be open for occupancy from June 14th to September 20th. We shall be very glad to take in any of the girls working on your project up to that limit. Our treasure of a housemother will be away for

about six weeks but we will of course find some satisfactory substitute.

The rules at the house are almost non-existent but a house council does operate to keep things going smoothly and properly.

It occurred to us that there might be some one in your group enough older than the rest - it could be much or little - to make her suitable as head of the house for those six weeks. She would be like one of the graduate house fellows at Radcliffe with same supervisory responsibility for the cook who has been well trained in by Mrs Alvard, the

housemother. It will be an easy job but does need some one mature enough to take responsibility in the name of the Institute.

There will have to be some adjustment of the price dependent on the length of stay of the group but it will be somewhere in the neighborhood of \$20 or \$21 a week.

Very sincerely yours

Margaret H. Compton

April 15, 1946

Dear Mrs. Compton,

Your recent letter is very much appreciated. I wish I could give you a definite answer at this time, but I can not until I hear from Dean Harrison whether such a group of women volunteers such as we had before the war will be able to assist him with his summer plans for the Spectroscopy Laboratory. In accordance with his suggestions of last December, I have just written him, and as soon as he replies I will let you know.

One of my own students is most eager to work in the Spectroscopy Laboratory this summer, and, if it can be arranged, would like very much to be in the woman's dormitory. In the past the groups have varied in size from three to seven members from two to five different colleges. The earlier groups started around the middle of June and worked for about six weeks.

Both you and Miss Stiles must feel very happy over the success of the woman's dormitory. I am certainly eager to see it. It is filling a long-felt need.

Sincerely yours,

Dear Miss Weeks -

Miss Stiles has told me of your query about the Waverly Down as a possible place for your group coming to Tech this summer. We are now trying to find out just how many of the present group there will be here over summer and just what the situation will be. If you are still interested, would you let me know how many

you would want room for
and for what period of time.
In turn you would be interested
to know that our charge^{of 247.00} for the
term has been based on 16.50 per
week for 15 weeks which means
occupancy for a half week before
and after class work. If a group
came in for part of the time, I
should think the charge per week
might have to be somewhat more,
since it would mean the rooms
would not be available for

rental the rest of the term, but might still be far more reasonable and certainly pleasanter than other rooms available. Of course our first responsibility is to our own girls who will be studying here during the summer but if there are still places available - enough of them to interest you - at the time you want them we should of course be glad to have your group there in whole or in part.

Sincerely yours,

Margaret H. Compton.

120 Bay State
Boston 15
June 26.

Dear Miss Weeks:

Your letter came to day & I am mailing welcome notes to the twooucher girls with this. Mrs Compton telephoned me about them, but I imagine in the confusion of her daughter's wedding & getting Dr Karl T. off to the Bikini Atoll test - she is behind in her correspondence.

We have saved a double room for them and are very

happy they are to be with us.
The house only holds 14 & we
have a very friendly homey
atmosphere so I'm sure they
will be happy.

I shall be watching for them
Sunday - and I shall hope
to meet you some time -

Very sincerely -
(Mrs) Margaret J. Alwood.

120 Bay State Rd.
Boston 15
June 3

Dear Miss Weeks:

Your letter came
and I have had to delay
answering a few days until
Mrs Compton returned from
a trip.

The house is open for rooms
this summer, though on quite
a different basis than last
year. No meals will be served
and no house mother in

attendance - But the committee have secured a fine young couple to live here as chaperones. We have a double room which will be available for you two girls for the period you mention - June 30th thru August 8th.

The committee have not yet decided the room rent, but I can safely say that it will be on a weekly basis, and will be \$7 or \$8.

Some of the girls who will be here, want to get their own meals cooperatively. When this permission was first granted the number of registrants was small, but now it has grown to capacity. So in order not to have it a burden of inconvenience on the chaperones, let me suggest, that your two girls would be welcome to get their own breakfasts here, probably not other meals, tho' as time went on

if the cooking group were not too large, they might be able to join it if they wish.

We thoroughly enjoyed your girls last summer, and shall look forward to having these two. Perhaps you would send me their names soon -

Sincerely Yours
(Mrs) Margaret J. Alvord

6873 N 19th St
Philadelphia 26, Penna

June 7, 1946

Dorothy W. Weeks
Wilson College
Chambersburg, Penna.

Dear Miss Weeks,

I am very anxious to
join the group working with
spectroscopy at M.I.T. If my
services will be of help, will
you please get in touch with
me at my home address?

Sincerely,
June R. Herbert

June 11, 1946.

Dear Miss Herbert,

I am very happy to add you to the group of girls to do volunteer work in spectroscopy at M. I. T. during this summer. Two of my students are also in this group. They plan to arrive in Boston June 30th and report at M. I. T. July 1st and work through August 9th. I hope that you will be able to do the same. The Women's Dormitory has accepted the two Wilson students and I am writing to ask them if there is room for you. The dormitory is at 120 Bay State Road, Boston. The price of the room which I think includes breakfasts and dinners will be about \$22.00 a week.

I hope that you will find the work at M. I. T. interesting and instructive.

Sincerely yours,

Dorothy W. Weeks,
Professor of Physics

Summer address
The Westchester 650B
4000 Cathedral Avenue, N. W.
Washington, 16, D. C.



GOUCHER COLLEGE
MARY FISHER HALL
BALTIMORE COUNTY
MARYLAND

June 24, 1946

Dear Miss Weeks:

Thank you for allowing me to join your group at M. D. T. In your note you remarked that you would inquire about a room for me at the Women's Dormitory.

Have you received any definite information as yet, or should I, perhaps, get in touch with the address you mentioned?

I should be grateful for word from you.

Sincerely

June R Herbert

6873 N. 19th St.

Philadelphia 26, Penna

responsible for several changes
in the apparatus set-up. He is
very interesting and we are look-
ing forward to his speaking
in seminar this Wednesday. At
present Dolly and June are
working on the machine while
Maryoie and I are typing lists
of the secondary standards. It
proves to be somewhat boring
but that is all right if some-
one can make use of them.

We will see you soon.

love,
Elaine

7/22/46

Dear Dr. Weeks,

Again I am writing to tell you we
still think Boston, and particularly
Tech, is wonderful. Also to thank
you for your last sweet note and
we were glad to hear the news.
Now we can match you in birth
announcements & th. th. th. th. be-
came a father again on Friday.
A girl this time?

Mrs. Alford started on her vacation
last week and we miss her so
much because she is very nice.
We're sorry you will not have
the opportunity to meet her next

2.
week. I don't think it necessary
to say again that we are looking
forward to your coming because
we are, so very much.

However, I wanted to thank you
before then for telling me about
Baird Associates. I went for an
interview a week ago Saturday
and heard that you had talked
with Mr. Stern the day before.
Both he and Dr. O'Brien were
very nice to me. I was stumped,
though, when they asked me
how much salary I expected.
As a result, I wasn't definite,
nor were they. I am to call

3
them sometime before I leave Boston,
and outside of that nothing def-
inite was decided. At least I
enjoyed the visit, if nothing else.

I must confess now that all of
us ^{are} having enough dates to have
a few interesting evenings. So
many of the boys at Tech are
very nice and now that we
have mastered our stage fright
at seeing so many boys around.
We are thoroughly enjoying
ourselves.

The big news at work is Dr.
Müssner. He came last Wed-
nesday and already has been

McTally this morning we shall continue, a few more corrections being necessary.

We intend to keep you posted on our progress and are looking forward to seeing you. We now share your enthusiasm for Tech!

Love,
Elaine

7/3/46

Dear Dr. Weeks,

I now have a few minutes, even though we are at Tech, to report to you that we are all doing fine. At least we are enjoying ourselves immensely.

Marjorie and I arrived at the dorm about 11 Sun. night and the other two girls had preceded us. We two are rooming together and when you come you will just have to see our room for nothing like it ever existed at Wilson. Mrs. Flood is very nice to all the girls, but I'm sorry to say she will be on vacation when you arrive. All the meals are very good, too.

last evening was most enjoyable. The four of us, and another girl from the dorm, were invited to the Harrison's for dinner. Upon arrival we discovered that there were 22 people for a buffet supper and we all agreed that was one of the nicest evenings we ever spent anywhere. All the people we have met, particularly Dean Harrison and Mr. McTalley, have been so nice to us. Really, already we are dreading the thought of leaving in such a short time.

I imagine you would also like to hear what we have done

so far. Monday Dean Harrison explained the work in part, then conducted a tour consisting of locations and introductions. Oh yes, we have an office complete with telephone and burglar alarm, all of which makes us feel quite important.

Speaking particularly for Marjorie and myself, we can never thank you enough for arranging this opportunity. We intend to make the best of it. Yesterday we spent our time profitably in making comparator readings of Fabry-Pérot fringes and computing ϵ . As soon as we see Mr.



July 13, 1946

Dear Dr. Weeks,

The second week of our work here has come to a close, and it is with much regret that Elaine and I observe how fast the time is going. Each day seems to bring something new and interesting in the lab.

This past week we have been measuring and calculating the dispersion of some plates containing cerium. We also analyzed the plates to see what else they contained. As you can well imagine this work has been something quite new for me, but I am enjoying it immensely. Everyone is so patient to explain to me certain things that I find unfamiliar.

Each Wednesday there is a seminar for the spectroscopists and, of course, we are included. Dr. Harrison was the first speaker.

We told about the M. I. E. wavelength project. This past week Dr. Rand McNally, Jr. spoke on the history of wavelength standards. We find these meetings to be very enlightening.

I believe that Elaine has told you how much we love living here at the girls' dormitory which is much better called a home than a dormitory. I only want to endorse her statement, for his sure we could not be more comfortable. The girls here, and in fact, everyone we have met have been just grand in showing us around Boston.

Among other things that we have enjoyed are the Esplanade Concerts there on the banks of the Charles River. The music has been excellent as the Boston Symphony Orchestra is so good.

I am looking forward to seeing you in a few weeks. I hope, too, that you are not finding the Washington heat too uncomfortable. Love, Marjorie

April 15, 1946

Dean George R. Harrison
Massachusetts Institute of Technology
Cambridge, Massachusetts

Dear Dean Harrison:

I am writing to inquire if you now find that a group of young college women volunteer workers would be able to assist with your summer program for the Spectroscopy Laboratory.

One of my own students is most eager to volunteer for this work. I do not know whether other college women would be interested, but I should be very glad to arrange for such a group if it conforms with your plans. I hope such a group is not contingent upon my presence, for it now looks as though my responsibilities to O.S.R.D. will require me to be in Washington for a part of the summer.

With cordial greeting,

Sincerely yours,

Dorothy W. Weeks
Professor of Physics

DWW:mel

WILSON COLLEGE
Chambersburg, Pa.

May 6, 1946

Miss Gladys Anslow
Department of Physics
Smith College
North Hampton, Massachusetts

Dear Miss Anslow:

Dean George R. Harrison has written me that this summer's research program of the spectroscopy laboratory at M.I.T. will provide a certain amount of interesting work in which several moderately advanced students could be of assistance and which they would probably find of value. One of the problems now being studied is the measurement of the iron lines with the Fabry-Perot interferometer using the new machine for reduction of the data. All sorts of startling things about the variations in wave lengths under different arc conditions are being found. Duplicating this for several elements could be quite easily carried out, and the students assisting with this work would be able to learn a great deal by the sorting and tabulating of the lines.

We are therefore starting again the former arrangement of having a group of women college students volunteer their services to assist with this work during the summer. The members of this group receive no pay and will bear their living expenses. They will be expected to work approximately forty hours a week from Monday through Friday for approximately six weeks. It is suggested they start about July 1st and work until August 9th. The group this summer probably will be limited to five. In general, preference will be given to those students who are completing their junior or senior year in college. If any of your students are interested, will you please ask them to fill out the enclosed application and mail to me. If rooms are available in the house for women M.I.T. students, members of this group may apply.

Sincerely yours,

Dorothy W. Weeks
Professor of Physics

DWW:mel
Enc. 2

WILSON COLLEGE
Chambersburg, Pa.

May 27, 1946

Professor Daghlian
Department of Physics
Connecticut College
New London, Connecticut

Dear Professor Daghlian:

Dean George R. Harrison has written me that this summer's research program of the spectroscopy laboratory at M.I.T. will provide a certain amount of interesting work in which several moderately advanced students could be of assistance and which they would probably find of value. One of the problems now being studied is the measurement of the rion lines with the Fabry-Perot interferometer using the new machine for reduction of the data. All sorts of startling things about the variations in wave lengths under different arc conditions are being found. Duplicating this for several elements could be quite easily carried out, and the students assisting with this work would be able to learn a great deal by the sorting and tabulating of the lines.

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Sincerely yours,

Dorothy W. Weeks
Professor of Physics

DWW:mel
End. 2

WILSON COLLEGE
Chambersburg, Pa.

May 6, 1946

Professor Walter C. Michels
Department of Physics
Bryn Mawr College
Bryn Mawr, Pennsylvania

Dear Professor Michels:

Dean George R. Harrison has written me that this summer's research program of the spectroscopy laboratory at M.I.T. will provide a certain amount of interesting work in which several moderately advanced students could be of assistance and which they would probably find of value. One of the problems now being studied is the measurement of the iron lines with the Fabry-Perot interferometer using the new machine for reduction of the data. All sorts of startling things about the variations in wave lengths under different arc conditions are being found. Duplicating this for several elements could be quite easily carried out, and the students assisting with this work would be able to learn a great deal by the sorting and tabulating of the lines.

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Sincerely yours,

Dorothy W. Weeks
Professor of Physics

DWW:mel
Enc. 2

WILSON COLLEGE
Chambersburg, Pa.

May 6, 1946

Miss Alice Armstrong
Chairman Department of Physics
Wellesley College
Wellesley, Massachusetts

Dear Miss Armstrong:

Dean George R. Harrison has written me that this summer's research program of the spectroscopy laboratory at M.I.T. will provide a certain amount of interesting work in which several moderately advanced students could be of assistance and which they would probably find of value. One of the problems now being studied is the measurement of the iron lines with the Fabry-Perot interferometer using the new machine for reduction of the data. All sorts of startling things about the variations in wave lengths under different arc conditions are being found. Duplicating this for several elements could be quite easily carried out, and the students assisting with this work should be able to learn a great deal by the sorting and tabulating of the lines.

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Sincerely yours,

Dorothy W. Weeks
Professor of Physics

DWW:mel

WILSON COLLEGE
Chambersburg, Pa.

May 6, 1946

Miss H. Kohn
Department of Physics
Wellesley College
Wellesley, Massachusetts

Dear Miss Kohn:

Dean George R. Harrison has written me that this summer's research program of the spectroscopy laboratory at M.I.T. will provide a certain amount of interesting work in which several moderately advanced students could be of assistance and which they would probably find of value. One of the problems now being studied is the measurement of the iron lines with the Fabry-Perot interferometer using the new machine for reduction of the data. All sorts of startling things about the variations in wave lengths under different arc conditions are being found. Duplicating this for several elements could be quite easily carried out, and the students assisting with this work should be able to learn a great deal by the sorting and tabulating of the lines.

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Sincerely yours,

Dorothy W. Weeks
Professor of Physics

DWW:mel



OFFICE OF THE DEAN OF SCIENCE

CAMBRIDGE 39, MASSACHUSETTS

June 14, 1946

Dr. Dorothy W. Weeks
4000 Cathedral Avenue
Washington 16, D.C.

Dear Dr. Weeks:

I am very pleased to learn that you have found four girls who wish to work in the Spectroscopy Laboratory this summer. We shall be very glad to have Miss Ives, Miss Hungerman, Miss Coultas, and Miss Herbert here, and I feel sure we will be able to keep them interested and occupied during their six weeks at the Institute.

I have postponed my vacation to late in August, so Rand McNally and I will both be here. In addition Prof. Meissner will be coming on July 15th. Many thanks for help in getting the "charm school" started again.

With best regards,

Very sincerely yours,

George Harrison

George R. Harrison

GRH D

June 11, 1946.

Dean George R. Harrison
M. I. T., Cambridge 39,
Massachusetts

Dear Dean Harrison:

Four girls have volunteered their services in connection with your spectroscopy program. They plan to be at M. I. T. from July 1 through August 9, a period of six weeks. Marjorie Ives is of the class of 1947 at Wilson College and Elaine Hungerman is graduating from Wilson next week. Miss Hungerman is very much interested in spectroscopy and hopes eventually to find a position in this field. She is particularly good in the laboratory and if you need help in the laboratory would be very useful. She proved herself skillful in adjusting our very crude home made Eagle mounting. Miss Ives has had more mathematics than Miss Hungerman. Miss Ives is unusually dependable.

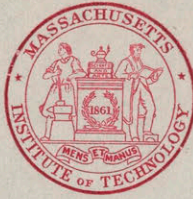
The other two girls are Angeline Coultas of the class of '47 at Goucher College and June Rita Herbert who just graduated this week from Goucher. I do not know either one, but they have been highly recommended by Miss Barton who is Head of the Physics Department.

I hope these girls will prove useful and that they have an interesting and instructive experience. I will tell them to report to Rand McNally since I believe you do not expect to be there July 1st.

With cordial greetings

Sincerely yours

Summer address
4000 Cathedral Ave
Wash 16, D.C.



OFFICE OF THE DEAN OF SCIENCE

April 24, 1946

CAMBRIDGE 39, MASSACHUSETTS

Prof. Dorothy W. Weeks
Department of Physics
Wilson College
Chambersburg, Pa.

Dear Professor Weeks:

I have talked with my associates in the Spec Lab about the desirability of running a "charm school" this summer, and while we rather hesitate to start the thing up again without having you in attendance as "Dean of Women", there will be a certain amount of interesting work going on in which two or three moderately advanced students could be of assistance, and which they would probably find of value.

I expect to be away from the middle of June until the middle of July, but Rand McNally will be here at that time, and the program will be going on. Professor Meissner will be here helping us with the interferometers from the middle of July until the middle of August, and we should have plenty for four or five girls to do if you can round up that many. One of the things we are doing now, for example, is to measure the iron lines with the Fabry-Perot interferometer using the new machine for reduction of the data, and are finding all sorts of startling things about the variations in wavelengths of the lines under ~~definite~~ arc conditions. Duplicating this for several elements could be quite easily carried out, and your girls would learn a great deal by doing the sorting and tabulating of the lines. |

I hope that your OSRD duties are only temporary for the summer, and that we shall be able to count on you later to return to your important summer post in the Spec Lab.

With best regards,

Very sincerely yours,

George Harrison

George H. Harrison

WILSON COLLEGE
Chambersburg, Pa.

May 6, 1946

Miss Mildred Allen
Department of Physics
Mount Holyoke College
South Hadley, Massachusetts

Dear Miss Allen:

Dean George R. Harrison has written me that this summer's research program of the spectroscopy laboratory at M.I.T. will provide a certain amount of interesting work in which several moderately advanced students could be of assistance and which they would probably find of value. One of the problems now being studied is the measurement of the iron lines with the Fabry-Perot interferometer using the new machine for reduction of the data. All sorts of startling things about the variations in wave lengths under different arc conditions are being found. Duplicating this for several elements could be quite easily carried out, and the students assisting with this work would be able to learn a great deal by the sorting and tabulating of the lines.

We are therefore starting again the former arrangement of having a group of women college students volunteer their services to assist with this work during the summer. The members of this group receive no pay and will bear their living expenses. They will be expected to work approximately forty hours a week from Monday through Friday for approximately six weeks. It is suggested they start about July 1st and work until August 9th. The group this summer probably will be limited to five. In general, preference will be given to those students who are completing their junior or senior year in college. If any of your students are interested, will you please ask them to fill out the enclosed application and mail to me. If rooms are available in the house for women M.I.T. students, members of this group may apply.

Sincerely yours,

Dorothy W. Weeks
Professor of Physics

DWW:mel

MASSACHUSETTS INSTITUTE OF TECHNOLOGY
77 MASSACHUSETTS AVENUE
CAMBRIDGE 39, MASS.

June 3, 1948

Dear Dr. Weeks,

I am hoping that this note will reach you before you depart for points north. I am sorry I shall not be here to greet you personally, but I shall drop in the lab to see how things are going with you if I can possibly find the minute. You are welcome to use my desk and help yourself to anything you may need. I have the computing room housecleaned and ready for the girls.

I am planning the work for the girls such that they will get experience on the comparator, WINMAC, and the spectrograph with the Fabry-Perot interferometer. If the thesis workers have good luck, I am hoping we will ^{get} some good pictures, and also, start the calculations for Cerium standards. Of course, when you get here and get things lined up for work with the magnet and FeII spectrum, they will get experience along that line.

The summer is not the ideal time to run the magnet for fields of 100,000 gauss at long periods. However, Professor Bitter is here in the office, and he tells me that everything is ready to go, and that you should be able to get some good pictures. He suggested that when you get here you should get together with he and Dean Harrison.

Arnold has accepted a position with Bigelow-Sanford Carpet Manufacturing Company and will not be definitely located until August 1st at which time the Chem School will be over. He will not be located in Boston so it has all worked very well, and I will be able to be here with the girls and then start my housekeeping duties.

MASSACHUSETTS INSTITUTE OF TECHNOLOGY
77 MASSACHUSETTS AVENUE
CAMBRIDGE 39, MASS.

I trust that you have made the necessary arrangements for the girls at the Women's Dorm. I just called Mrs. Alvord, but she was not in.

I hope you have a good trip . and favorable weather. We are having a very cool spring, but it is a little warmer this week.

Best regards to the Wilsonites. I shall get in touch with you after your arrival, and I shall surely see you on the 12th!!

With love,

Mayorie

BY DIRECT WIRE FROM

12285

CLASS OF SERVICE

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WESTERN UNION

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The filing time as shown in the date line on full-rate telegrams and day letters, and the time of receipt at destination as shown on all messages, is STANDARD TIME.

Cambridge, Massachusetts

July 2- 1947

Dorothy Weeks:

Charm school in Dorm. welcomes May Lamb. Suggest begin
Monday.

Margary Ives.

Received Mt. Crescent House July 3-1947 10:50 A.M.
MLC

PATRONS ARE REQUESTED TO FAVOR THE COMPANY BY CRITICISM AND SUGGESTION CONCERNING ITS SERVICE

Miss Mary Ann Lamb
8 Merrymount Road
Roland Park, Baltimore, Maryland

May 15, 1947

Dear Miss Webb,

Miss Vala Barton of Sanchez College told me of the opportunity to work at M. I. T. in the summer. I am a physics major in my junior year and am interested in getting this experience. I would appreciate it, if you would let me know how I should go about making an application for this work.

Thank you.

Sincerely,
Mary Lamb

Room arrangements

made ~~at~~

Women's Dormitory

you are expected
some time this

Sunday.

621 West 172 Street

New York 32, N.Y.

June 11, 1948

Dr Dorothy Weeks
Professor of Physics
Wilson College
Chambersburg, Pa.

Dear Dr. Weeks

Having received no communication
from you since your last letter, I
thought it best to write.

Perhaps you can tell me
whether any specific arrangements
have been made for my room at the
Massachusetts Institute of Technology
or whether there is something I
must do before leaving on June 20th.

Thank you very much for
this information.

Sincerely yours,
Marian Boykan

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

DEPARTMENT OF PHYSICS

Room 6-006

CAMBRIDGE 39, MASS.

July 14, 1948

Dear Dr. Weeks,

I fear that I contemplate getting more work done in a shorter length of time than that in which it can possibly be done. Then too, I have tried to give the girls all sorts of experience and at the same time keep from having one job become boring by interspersing the work with other types of work. However, I know that you are anxious to know of their progress and also anxious to receive some material for working out g values.

The girls are now working on identification of the Vanadium and will finish the patterns on that plate this week. It is not going to be possible to run the film with the density traces and wavelengths marked simultaneously on the automatic comparator. As a result, they have been doing all the identification on the Hilger comparator. It is possible to run the film on paper and get density traces only--that I am going to see about this week. I am not too sure just how helpful the traces will be without the wavelengths marked, but I am willing to see what can be worked out. It certainly would be easier to measure the separations with the density trace on paper than by eye, and I believe with less error.

The Charm School has really been getting a lot accomplished though it may not seem so on the surface. Jean and Nancy are accomplished operators on WINMAC, and I intend to have Beverly and Marion start their apprenticeship today. They are working on Cerium and Thorium plates in preparation for values that may set up either of these elements or both as secondary standards. We hope they will have compensations for the difficulties in getting good Fabry-Perot patterns of Iron. All of the girls have had experience in setting up plates, taking pictures, and developing them in the lab.

I keep feeling that they have done a lot, yet I hope they can do a lot more in the time left, including selecting out your plates which I have not forgotten, besides the work on those you selected. I shall send you some data as soon as I feel it is complete enough for you to work on.

Along with the Charm School I am trying to get a paper ready for Dean Harrison to present at the Detroit meeting of the Optical Society on the automatic picker on WINMAC. I, also, have quite a few calculations to complete before Jim's thesis is finished so you can will understand how I have not had a chance to inform you of the progress earlier. All of my work will have to be done by August 15th when I will be leaving Tech, possibly before.

I do hope you are having a good rest and enjoying the mountain breezes. Naturally, I bring best regards from all of us here. We shall look forward to seeing you when you come down for a taste of city heat!

With love,

Marjorie

MASSACHUSETTS INSTITUTE OF TECHNOLOGY
DEPARTMENT OF PHYSICS

CAMBRIDGE 39, MASS.
May 5, 1948

Room 6-006

Dear Dr. Weeks:

I was pleased to hear that it will be possible for the Charm School to begin on June 21st. I spoke with Dean Harrison about keeping Nancy Connell for the month of August, and he left the decision up to Nancy. If she would like to stay, he will be pleased to have the extra help. He said nothing about reimbursing Nancy financially so I presume if she stays her reimbursement will be the experience. Arnold's still indefinite plans indicate that I shall be here only until the close of the Charm School. Thus, Nancy's presence would help to ease the load until my place is filled.

The fellows are now lining up the magnet with the spectrograph. The major difficulties directly concerned with the magnet have been conquered, and you should be able to do your work as pre-scheduled.

A prewar Open House was held at the Institute on May 1st. The Spec. Lab. was open to some 5000 who were curious so we were busy explaining its merits. May 1st brings memories of Wilson and the May Day festivities which seem like a dream in the past.

Time is speeding rapidly for me as our wedding date comes closer, and I find myself still swamped with things to do.

Best regards to all on the campus. Of course, I bring greetings from Carl, Dean Harrison, and fellow spectroscopists.

With love,

Mayorie

*aws
5/16/48*

answered
card 4/16/48
note 4/18/48

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

DEPARTMENT OF PHYSICS

Room 6-006

CAMBRIDGE 39, MASS.

April 13, 1948

Dear Dr. Weeks:

I was glad to hear that you have lined up some good workers for the Charm School. I remember working with all four that you mentioned and know they are very congenial as well as good workers.

However, I should like to be able to discuss with you what would seem to be a better time for them to begin here at Tech. Dean Harrison would prefer that I could be here when the girls begin, and that is where a conflict seems to arise with your plans. When I wrote you, I was unaware that he felt that I should be here if at all possible when they begin. I am expecting to be away until June 21st, taking off only one week before and one week after my wedding. Since you, too, are planning to be here a few days in that week after the 21st, it would be better if the girls could come in when I get back rather than a couple days before. To my knowledge, there is no reason why you can not be here while I am away. Just how much you can get done on the magnet remains to be seen. The water cooling system is now well flushed, and the fellows are correcting the shorted bolts.

Everyday we seem to have more to do. Our personnel is becoming more and more depleted and by the middle of June there will only be left two research associates beside myself. Dean Harrison is looking now for some new recruits. When I speak of our personnel, I do not include Elaine and the Infra Red group for they are working under Dr. Lord, a quite separate project from the work done under Dean Harrison. Elaine will still be in the lab this summer, but will probably have very little to do with the Charm School so far as actual work is concerned.

Are you planning for the girls to stay longer than the usual six weeks? If they are to be here for only six weeks, it is very likely that I shall plan to be here with them, regardless of where Arnold is to be. On that score, nothing has changed since my last letter. The wedding will be at 2:30 p. m. and I, too, hope that you can work it into your busy June 12th.

Many thanks for your prompt reply to my last letter. Again, I shall be anxious to hear if we can work something out so that I can be here to help the girls in the confusion of the first days at Tech and to get them started on their various duties.

Elaine and all here send their regards to you.

With love,

Marjorie

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

DEPARTMENT OF PHYSICS

CAMBRIDGE 39, MASS.

April 3, 1948

Dear Dr. Weeks:

By request of Dean Harrison, though I can assure you that such a request was unnecessary, I am writing to you as dean of the Charm School. We are planning for the Charm School if you can round up some charm! So that you will know just what the situation is here, I shall try to explain in detail.

I am planning to be married on June 12th in the First Congregational Church in Winchester, Mass.--do hope you can be on hand. Arnold does not yet know where he is going to be working, but he has filed several applications. We are hoping to be in Boston or at least in New England. You are probably wondering just what the wedding has to do with the Charm School, but since I came to the Charm School in 1946, I suppose there is some vague connection. Arnold will not know until about May 1st where he will be, and I do not feel that I can wait until then to decide what I am going to do, and thus hold up the plans of those interested in coming to the Charm School.. Dean Harrison has been wonderful about my indefiniteness, and so, he has decided that I can go ahead and plan for the girls, and if I am not here to look after them, he will work out something as he has always done before I came. So shall we say, I am hoping that I will be here to see the plans carried out. I believe that the chances are very good, though one can never tell just what is apt to come up between now and then.

Dean Harrison did not tell me whether you and he had made any tentative arrangements as to the schedule for the girls, beginning date, etc. So far as the work here in the Spec Lab is concerned they can come anytime. I expect to be back on the job on June 21st. I know that you had some plans with regard to the iron lines so that you could have some work done on them, but this is the situation on the magnet. The fellows have been working all winter on the water cooling system which was clogged with what they called "crude". They have had quite a time trying to get the water to circulate and have had to tear down several parts of the system. However, this last week they have been putting it back together. They are hoping to give the magnet itself a trial test on Monday. Just what difficulties will arise there are yet unforeseen. Perhaps Dean Harrison has also told you about these problems, linked with the lack of personnel, so I shall not enumerate further. With the new ruling engine and the Winmac we all have plenty to keep us busy. The two fellows who have been working on the Magnet have had to put all their time outside of classes on it.

I am really quite anxious to be around the Spec Lab this summer because of the Charm School, but also because it is going to be interesting to see what changes there will be in personnel. You know the accomplishment in winning a little seniority, especially in a lab where the women are so outnumbered. Rand McNally is going to be leaving the group. That is probably the biggest change that will be made.

I just called Mrs. Alvord at the Women's Dormitory to check and see if the dorm is going to be open for the summer. She said that they decided just yesterday that it would be open and as very few of the regular students will be staying for the summer, she would be very glad if the Charm School could stay there. The presence of the Charm School would have the privilege of using the kitchen and cooking their own meals. The fee is set at \$10.00 per week. I know you will probably be as happy as I was when I found that the dorm would be open for the girls. It is really the ideal place to stay, and certainly set Elaine and me off on the right foot.

I am naturally wondering just which girls of the Wilson family will be with us this summer, also what other college representatives will be here. The Dean did not set any quota of girls to me, and I shall leave it up to you. However, I do think that it is nice for the girls if there are at least two. Somehow, I feel that Jean was a little lonely at times last summer.

Now I think I have given you the necessary information on the Charm School. I can not do much more until I hear from you. Already I have written quite a lengthy letter, and still there is much I have not said. I have not seen Nancy Curtis much in the past week, but I plan to have her over for dinner next weekend, and possibly take in a play. I believe this semester is going a little smoother for her.

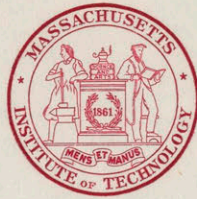
I do hope that all has gone well with you since I saw you at Christmas time, and I wish to apologize for not writing to you before. You are a very understanding person, and no doubt you can realize how busy I am especially with all the preliminaries that go with a wedding.

Please give my regards to everyone, especially Miss Gilroy.

With love to you,

Marjorie

ans 4/5/48



OFFICE OF THE DEAN OF SCIENCE

CAMBRIDGE 39, MASSACHUSETTS

March 29, 1948

Professor Dorothy W. Weeks
Department of Physics
Wilson College
Chambersburg, Pennsylvania

Dear Professor Weeks:

I am delighted to learn that you obtained a grant of \$1000 from the American Philosophical Society for your research on Fe II.

I have one graduate student who is planning to work on the Bitter magnet, and he is gradually getting it into operation again. A good deal of sediment has deposited in the water lines, and it will probably take several weeks to get these all cleaned out. We had hoped to have the magnet running in winter, as the field depends greatly on the temperature of the cooling water, but it does not seem likely that we can get it going before the warm weather sets in.

As soon as the magnet is in successful operation, I shall let you know. Do you plan to be here for a part of the summer? Do you have any advance information about possible Charm school candidates? Our greatest lack now is in getting things done, and I am thinking of taking on a high school student or so if possible this summer.

With best regards,

Sincerely yours,

George Harrison
George H. Harrison

GRH:ST

Can you make the Annual meeting of M.I.T.W.A. on June 10, 48?

MASSACHUSETTS INSTITUTE OF TECHNOLOGY
SCHOOL OF ARCHITECTURE AND PLANNING
27 MASSACHUSETTS AVENUE, CAMBRIDGE 39, MASSACHUSETTS

Room
7-238

ARTHUR ROTCH MEMORIAL LIBRARY

March 24 1948

Dear Miss Weeks:

I am forwarding your letter over to
The Chairman of the Advisory Committee on the
MIT Women's Dormitory - Mrs Murray P.
Howland, 8 Craigie St Cambridge. She will be
interested, I know, and glad to hear about your
students.

I have resigned my positions at MIT as of
July 1, 1948 to return to the practice of architecture
after 17 years here. I am going to Bar Harbor
Maine - 200 Main St - and would be delighted to
see you if you pass through that area.

The fund is coming slowly and will not reach the
\$10,000 mark for several years at present rate. We
used get after some of the wealthy alumnae but
no one has had time to approach them personally.

We really need an endowment fund with expenses
going up - with an income ^{sufficient} to pay the wages of the cook
at least. But I do not feel discouraged as I know our

fourth dimension is time. Sincerely
Florence W Stiles

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

77 MASSACHUSETTS AVENUE

CAMBRIDGE 39, MASSACHUSETTS

ADVISER TO WOMEN STUDENTS

April 2 48

Dear Miss Weeks:

I handed your letter over to the
Advisory Committee on the MIT Women's
Residency and they tell me they will be
delighted to house your four students
at ten (to \$10.00) dollars a week - no
meals - starting not before June 15, 1948
provided we can get a young married
couple to live in as chaperone. Last year
we had a married student and so we
want to do the same this year thus
giving two toward the summer.

Yours sincerely,

Florence W. Stiles

SPECIAL SUMMER PROGRAM ON SPECTROSCOPY

Spectroscopic Research for Thesis Students in Biology and Medicine, Chemistry, Engineering, Metallurgy, and Mineralogy

Students in various fields who are doing thesis investigations sometimes find that some portion of their problems could be solved most readily if attacked spectroscopically, but lack facilities and training for the spectroscopic approach. Arrangements can be made to do such work in the Institute Spectroscopy Laboratory during the first part of the coming summer, by enrolling in the laboratory course on Applied Spectroscopy, and if possible also in that on Practical Spectroscopy. From two to six weeks of work in the laboratory often will serve to complete that part of an investigation which requires spectroscopic technic. Students intending to take advantage of this opportunity should communicate with the Institute in advance regarding the particular problem to be worked on, to insure that suitable facilities will be available.

Research in Spectroscopy

The Institute is again extending its invitation of the last eight summers to properly qualified non-commercial investigators to make use of its spectroscopic facilities in connection with their researches. Approximately fifty physicists and chemists have spent portions of their summers in the laboratory, and it is hoped that an even larger number may do so this year, to further the interchange of ideas and methods which results from such an arrangement. Unusual, and in some cases unique, equipment is available in the fields of intensity measurements, wavelength measurements, vacuum spectroscopy, analysis of spectra, and spectroscopy at high resolution. Visiting scientists will be expected to be responsible only for any expensive equipment required specially for their own investigations which is not already available in the laboratory.

Living Facilities

Dormitory facilities for men are available on the Institute Campus during the summer at \$4-\$8 a week. Reservations for the Graduate House must be made well in advance, but reservations for the Undergraduate Dormitories can usually be filled on short notice. Dining facilities are available in Walker Memorial and the Graduate House with cafeteria service, and restaurants and boarding places are close at hand.

Requests for information regarding the Spectroscopy Conference and its program, and on the summer courses and spectroscopic research, should be addressed to

PROFESSOR G. R. HARRISON

Department of Physics

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

CAMBRIDGE, MASSACHUSETTS



MASSACHUSETTS INSTITUTE OF TECHNOLOGY

George Eastman Research Laboratories

Announcing the Ninth Summer Program on . . .

SPECTROSCOPY

AND ITS APPLICATIONS

Spectroscopy Conference — July 21, 22, and 23, 1941

Morning and afternoon meetings will be held during three days, with discussions by qualified experts on spectroscopic analysis of materials and on other applications of spectroscopy to biology, medicine, chemistry, metallurgy, mineralogy, and to industrial and engineering problems. See below.

Courses in Practical Spectroscopy — June 16–July 25

Lecture and laboratory courses on spectroscopic analysis of materials by study of their emission and absorption spectra, and on the general application of the spectroscope and its auxiliary apparatus to problems of science and industry. See page 3.

Spectroscopic Research — June 1–August 1

An invitation is extended to qualified spectroscopists to use facilities of the Spectroscopy Laboratory, and students doing thesis work in any institution in any field where spectroscopic methods will assist in the solution of problems may arrange to carry out such spectroscopic work in the Institute laboratories during the coming summer. See page 4.

Research Conference on Spectroscopy and Its Applications

GEORGE EASTMAN RESEARCH LABORATORIES, M. I. T.

July 21–23, 1941

A ninth spectroscopy conference will be held this year, repeating to a considerable extent the type of program presented at the conferences held during the past eight summers. During the early sessions the chief emphasis will be on applications of spectroscopy to the analysis of materials. After a number of papers on general topics in spectroscopic analysis by experts in the several fields, reports will be given by spectroscopists from industrial research and analytical laboratories, and by metallurgists, biologists, chemists, and physicists who have found the spectroscope useful in their investigations.

(Over)

*A Series of Papers and Discussions is being prepared
on the following topics, among others:*

Analysis by the Emission Spectrum: Determination of metallic and other atomic and molecular constituents of samples by study of their emission spectra, with special emphasis on quantitative analysis.

Absorption Spectrophotometry: Application of absorption measurements to analysis of organic and inorganic substances and to the diagnosis and treatment of disease.

Photographic Photometry: Basic methods and apparatus underlying the photographic determination of spectral light intensities, especially from the standpoint of application to spectroscopic analysis.

Industrial Applications of Spectroscopy.

Biological and Chemical Effects of Spectral Radiation.

Analysis of Spectra, and Measurement of Wavelengths.

The more general papers on applied spectroscopy will be given at the earlier sessions, while more technical and theoretical papers will be reserved for the later meetings. As soon as it has been prepared, copies of the detailed program of the conference will be sent to anyone interested. The attendance at the conference will be limited to two hundred, and those expecting to attend from a distance are urged to signify their intention in advance if possible, to insure availability of space. No fee of any kind is charged for attendance. The object of the conference is to promote co-operation among workers in various scientific and industrial fields who have found useful the technical methods of spectroscopy.

The proceedings of the sixth and seventh summer conferences are now on sale by John Wiley & Sons, Inc., 440 Fourth Avenue, New York; those of the eighth conference have appeared in the January, February and March issues of the Journal of the Optical Society of America.

Summer Instruction in Spectroscopy and Its Applications

A course on Practical Spectroscopy is being offered in the regular Institute Summer Session during the six weeks from June 16 to July 25. This will deal principally with applications of spectroscopy to biology, chemistry, geology, metallurgy, physics, and other branches of science. Any two weeks of the course may be taken without the remainder. It is during the last week of this course that the Spectroscopy Conference will be held.

During the first week of the course spectroscopic apparatus is discussed, with emphasis on the fundamentals of design and operation, to give the student the ability to analyze and adjust any type of spectroscope with which he may later work. Spectroscopic photography is next considered, including the underlying theory and basic properties of the photographic emulsion, its exposure and development. This is followed by a week on the identification of spectrum lines, emission and absorption spectra, the mechanism of light emission by atoms and molecules, and the excitation of light from samples to be analyzed, followed by a discussion of qualitative spectroscopic analysis. Absorption spectrophotometry

occupies the fourth week. The last two weeks of the course are devoted to quantitative spectroscopic analysis by emission methods. The course is especially designed for industrial and scientific workers who have had little previous spectroscopic experience but desire training in spectroscopic methods.

A laboratory course on Applied Spectroscopy will be given paralleling the lectures in Practical Spectroscopy. In this, opportunity will be given to use most of the important types of spectroscopic apparatus for analytical purposes. Twenty-hour registration for six weeks is recommended.

The laboratory work is at first general, giving the student experience with various types of spectroscopes and spectrographs, of which more than a dozen different varieties are available. After becoming familiar with the excitation and photography of spectra the student carries out experiments designed to train him along the lines of his chief interest; thus metallurgical students get practice analyzing metallic alloys, biologists are given biological materials to analyze, while physicists and chemists may work on absorption spectrophotometry or other specialized spectroscopic topics.

An arrangement which has proved excellent and which will be repeated, is to give the lectures in Practical Spectroscopy during two-hour periods in the early evenings of Monday, Tuesday, and Wednesday, leaving the days free for other duties or for work in the Spectroscopy Laboratory. With half of each day spent in the laboratory, the remainder is useful for library work or working up the results of experiments.

Students who have already taken any of these subjects, or who have credit in Spectroscopic Analysis of Materials, may register for advanced laboratory work in Applied Spectroscopy if desired.

Tuition Fees are as follows:

PRACTICAL SPECTROSCOPY 8-344.

Eighteen two-hour lectures over six weeks, \$45.

APPLIED SPECTROSCOPY 8-345.

Four hours a day in the laboratory, five days a week, \$75. (A student may take a part of the laboratory course, for which an adjustment of the fee will be made on completion of the course.) A registration fee of \$5 is charged for enrollment in the Summer Session.

For further information on these or other summer school programs, among which are included special programs on Bacteriology, Public Health, School Health and Health Education, Food Technology, Principles of Textile Analysis, City and Regional Planning, and Public Health Engineering, address an inquiry to the Registrar, Massachusetts Institute of Technology, for the regular Summer Session Bulletin.

MASSACHUSETTS INSTITUTE OF TECHNOLOGY
SCHOOL OF ARCHITECTURE
CAMBRIDGE, MASSACHUSETTS

May 19, 1941

Professor Dorothy W. Weeks
Wilson College
Chambersburg
Pennsylvania

Dear Miss Weeks:

Would your girls be interested in Bexley Hall; if so,
please let me know the overall dates as soon as
possible.

Best regards.

Sincerely yours,

Florence Ward Stiles

Florence Ward Stiles,
Adviser to Women Students

FWS:A

MASSACHUSETTS INSTITUTE OF TECHNOLOGY
CAMBRIDGE, MASSACHUSETTS

TO THE WOMEN STUDENTS (SUMMER SESSION)

If you have not already found a place to live in while attending Summer School, you may be interested to know about the two furnished apartments in Bexley Hall which M. I. T. owns.

Each apartment accommodates four students, two to each bedroom. Each apartment also has a living room, kitchenette, foyer, and bath with a tub shower.

Each student has a bed, desk, and lamp; she must provide, however, her own bed linen, blankets, cooking utensils, dishes, silverware and such other personal items. It is possible to subscribe to a linen service from a down-town agency thus eliminating the purchase of sheets, towels, etc.

The rent, including gas and electricity, is \$5.25 per week per student, payable in advance for six weeks. Students desiring single rooms shall be charged \$10.50 a week.

Each student makes written application on arrival at the Institute in Room 7-238. Each student pays for and is responsible for her share of the laundry, meals, etc., and general care of the apartment.

No telephone is provided.

Bexley Hall is as convenient to the Institute as the dormitories and Graduate House.

If you are interested, please let me know as soon as possible. There are accommodations for eight students only.

F. W. Stiles
Adviser to Women Students

May 8, 1941

SUMMER VOLUNTEER WORK IN SPECTROSCOPY

AT M. I. T.

From June 16 - July 25, 1941, at the time courses in spectroscopy are being given by the Department of Physics at M. I. T., there will be an opportunity for a limited number of young college women to do volunteer work in connection with a spectroscopy project now in progress at M. I. T. About thirty-five hours per week (five days of seven hours each) of computational work during this period of six weeks is expected. This summer, the work probably will consist of computing the Lande "g" values from Zeeman patterns. In return for this work, the privilege of auditing the course in Practical Spectroscopy given by Professor George R. Harrison is offered to these volunteers. No college credit will be given for attendance in this course, which consists of eighteen lectures, two hours in length given from 5.30 - 7.30 P.M. three times a week for six weeks. The annual Spectroscopy Conference is held at M.I.T., July 21, 22, and 23, and the members of this volunteer group may attend.

To be considered a candidate for this work, a student should have completed at least her junior year in college, and should have majored in physics, mathematics, chemistry, or astronomy, and have studied a course which includes an introduction to atomic spectra.

Any one interested in this opportunity is asked to write to, Miss Dorothy W. Weeks, Professor of Physics, Wilson College, Chambersburg, Pennsylvania.