applications and correspondence spectroscops law (restricted)

720 West End Os. Any dear top in Weekn Boy kan is delighted that she is to have theoppation-ity to such such you at har her parents oursent and is all financially to un dertake the unh with at pay. I will repeat what I told her so you can correct it I seen ary. Jame 20 th for 6 melor. They pay but properious de Com at the Geomain downmean in her own but

may use corbing facilities at the residence hall. Her addrew in 621 W, 172ml St Hew Yah, 32, & J. Harran is socially accept. able and a very livable forug. ster The har mid clother and evidently is well looked after at house. Temperamentally she is sudded and where hected due to the speed at which for suind nucho. She hasts le slaved up at ruletrale and calmed. Her desposition is guring and her sture, I humon reliable, I do hope you will like for. Sui cerely Helen I Herrenge

marian Boykan
621 West 112 St.  Hunder Collège  New York 32, N.y.  695 Park ave.  New York, N.y.
Hunter Collège January 1949 —
mechanics, Head and Sound Electricity and Magnetism Light Alonic and Nuclear Physics Thermodynamics Introductory Mathematical Physics Advanced Electricity and Electronics  Laboratory devictant  Physics Department, New York University
Greasurer of Physics Club Recording Secretary of Pi Hu Epsilon (national mathematics Honor Society Publicity Chairman of mathematics club
A desire to gain experience in research work in physics
De Dr. Kelen Messenger
Do you wish suggestions for living arrangements?  Yes  APPLICATIONS WHEE PROPERLY FILLED OUT ENGIED BE SEET TO
Nime Parathy N. Manke, Drafappay of Threfas

Wilson College, Chambersburg, Penna.

433 Vose are South Orange In of June 13,1948 Dear Miss Weeks, My report card came from tech this morning so 2 thought I should pass on the results to you. I passed again but by the same slim margin. Nuclear Physics Lab - C Theoresteral Physics II - P advanced Palacles -I did a terriby rude thing about two mouths ago in giving your name as a reference in a loan and scholarship application I hope it was not too much of a bother. I will have to borrow in order to finish but not as much as 2 feared. The Massachusetts

for a few day in between terms. mit Kangas was married in May to some one she met at work in Virginia. He is Swedish and has an improvouseable name. This to is probably not news. my addiess will still be 12 Clenton Sheet lambredge so if you come to Boston, please let me see you again. Sincerely yours, Many Cucles

Society for the University Education of Women gave me a \$ 100 stolarship and a \$100 loan without interest. 2 applied to rech for a loan but it was only a formality as They have never given a loon to a women and they certainly won't start by giving one to someone tolo is barely squashing through. So Mother is going to lend me the balance. this summer I well be doing a thesis and with lots of luck and land work I hope to be through in October know that Marjorie Lues was married a week ago. I didn't go to the wedding but come Some

I arrangements can de cering telegrams! Boston, to rebout 40 ('OMMONWEALTH AVENUE imme diately

Mijo Mayour Les (32) The choseoby hal may Lamb, 8 Merrymount Krad Ballimon 50 14. eages to do when go wo your get cham school, If OK with Can Harrison and Donntoy herare to what telegiah how the at on I and annuy.

Miss Mary Ann Lamb 8 Merrumount Road Roland Park, Baltimore, Maruland Dr. Dorothy W. Weeker Wilson Callinge Chambershing, Kenn. Dear miss Weeks, Enclosed is my appell -Cation for summer work at m. G. J. I hope znat it is not tot late for my application to be considered. It was just today that I learned that I wanted y be able to accept the position. tranke you for your Linceredy, mary Fant

NAME MARY	ANN	LAMB	
Home Address:		College Address:	
8 MERRY MOURE,		SAME AS	HOME
COLLEGE! NORTHWESTERN GOUCHER	Class: FRESHMI SENIOR	AN (44)	
Major Field: P	445105	Allied Subjects:	MATH , CHEMISTRY
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Pormer position  LABORATOR  DIVISION 6	Y 4551		RIEZ INSTRUMENT 1944 - JAN. 1946
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	FIELD.	E AND EXPERI	EVCE
Do you wish sug	gestions fo	9 P. RACTON  or living arrangement	3187
		Teeks, Professor o	

Wilson College, Chambersburg, Penna.

153 Truved Rd. Wigneste, Pa. green 23,1947 Dear miss Weeks your most welcomed letter assisted late Friday Duras truly sorry that I warn I here to receive it I had spend a delightful weekend visiting my soommete fran Dooley at the strivertity of Delawase. Strangely enough my seport from after seeing my physics average of C I hoster that I shall be able to uphold the Wilson standard. mother was delighted to learn of your former connections at The deford and is looking forward to meeting you again If you return but Shila woon 's you please didt me a line and plan to have dinner with us? We will look forward to is. I have written mrs alward confirming your assumements and and exclosing her letter tomer you have close for me and with Frame Dillman

# DAVID B. MULLIGAN, PRESIDENT GEORGE W. LINDHOLM, GENERAL MANAGER



ADJOINING GRAND CENTRAL

New York City
TELEPHONE - MURRAY HILL 9-7920

Dean george & Harrison. of M. 27 has voullen me that the revealed burgian of the flechoughlab at m 27, celain comment of where any nor h in which several and which they usual brokally finery value on a which a now being pludied is. the former of four former collection to volunteer their remes for abbrogunately its median to the survey of The members of this group the stand must receive us hay and must been their lung or hues - the They 3 a week from monday them Finday, denty about from 24th for a bluer weeks the standing about from 24th two soundered the growt the number toutably my

be limited to five the Preference will be given of the plustent who are completeling wither their grown a reciping in colling If any of your luchaits are interested will you blease ask then to fell out the following appliealin and mail to If vous are available in the fromers Domester, Students members of the group may have the

GOUCHER COLLEGE BALTIMORE, MARYLAND DEPARTMENT OF PHYSICS June 4, 1946. Miss Dorothy Weeks Wilson College Chambersburg, Pa. Dear Miss Weeks: In response to your letter of May 27th, I am reporting that I have an exceptionally able and an exceptionally fine student who is very much interested in the opportunity, and who is applying to you for the work at M. I. T. this summer. She is Miss Angeline Coultas, who will be a senior with us next year. She is an honor student standing exceptionally high in that list, and at the same time is a very popular girl as shown by the fact that she has been elected the president of Student Organization, one of the highest student offices at the college. She is quiet, mild mannered person, just splendid in every way - a delightful person, whom I heartily recommend to you. Miss Coultas is a gentile, daughter of a Goucher graduate and a physician. Then, another one of our seniors of next year may apply. She is a good student, has a good memory, but is not brilliant. She is June Herbert, a Jewess with a most pleasant personality. She is very considerate of others, is mild in manner, and would be a delightful person with whom to work. I have not been able to get in touch with Miss Herbert, but have made an appointment with her. If she is interested, I will have her fill out a blank and send it to you. Both of these girls are thoroughly dependable. Thank you for letting me know of this opportunity for the students. I trust you will get able assistants, and a fine group of girls. Sincerely yours, Yola P. Baclou VPB:bw

WILSON COLLEGE Chambersburg, Pa. May 27, 1946 Miss Vola Barton Department of Physics Goucher College Baltimore, Maryland Dear Miss Barton: Dean George R. Berrison 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

NAME: Angeline Coultas

Home Address:
I Madison Ave.
Madison, New Jersey

College Address: (until June10)
Many Fisher Hall
Goucher College
towson 4, Md.

Colleges:

Class:

Degrees:

Goucher College

1947

Major Field:
Courses?
Elementary physics (acourses)
Mechanics
Electricity
Electronics
Light

: Allied Subjects:
:trigonometryCourses:
: Analytical Geometry
: Differential Calculus
: Integral Culculus
: Descriptive Astronomy
: Elementary Chemistry ( & courses)

Former Positions: None

Extra-curricular undergraduate activities:

President of Students Organization

Freesident of Sophomore class

Assistant Editor of year book

President of Physics Club

Reasons for making this application:

I would like to get some experience in spectroscopy.

Recommended by:

Dr. Vola P. Barton

If available do you wish to live at the house for M.I.T. Women Students? Yes I do.

APPLICATIONS WHEN PROPERLY FILLED OUT SHOULD BE SENT T Miss Dorothy W. Weeks, Professor of Physics, Wilson College, Chambersburg, Penna.

June 22, 1946

Dear Miss Weeks,

I was very happy
to receive your letter
accepting my application for
summer work at MIT. I have
made arrangements to fly up
to Boston on June 30 th and

on July 12. I'm anxious to
Know whether I will be able
to stay in the Woman's
Dormitory. Have you heard
any thing from MIT concerning
this?

I'm looking forward to working there a great deal,

Sincerely yours,
Angeline Coultas

June 27, 1946

Dear Miss Weeks,

I received your

two post cards and
will go directly to the Womens

Domitory on the 30th I'd
like to thank you for

every thing you have done.

Time sorry to have been so much twoeble, but I'm sure everything will work out all right. My mother is going up with me j'ust for the ride and so if there is no room at the dormitory. I can stay with her or with friends in Boston until a place can be found.

I'm looking forward to meeting you and the girls from Wilson. Heark you again.

Succeedy, Augeline Corettes Dear Miss Coultas,

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 here at Wilson College are also in this group. They plan to arrive in Boston June 30 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 at 120 Bay State Road, Boston has accepted the two students from here. I am writing them to find out if they have a room available for you. The price will be about \$21.00 a week. I do not know what this includes, but judge it includes some meals, probably breakfast and dinner.

at M. I. T. interesting and instructive.

Sincerely yours,

Dorothy W. Weeks, Prefessor of Physics

Summer address
The Westchester, 650 B
4000 Cathedral Ave. N. W.
Washirgton, D. C.

NAME: June Rita Herbert

Bome Address:

6873 77 19 m St. Mary Fisher Hall

Ohladelphia 26, Pema. Towson 4, Maryland

Touson 7, Maryland

Major Field: Physics
Courses?

2 Aeneral Course

Light
Mechanics
Electricity
Racio & Alectronics
Ya course in Skop and lab. work.

Allied Subjects:
Courses:
astrongmy
Def. & Integ. Calculus
Thorganic Chemistry

Former Positions: Drafteman for York air Come. & Refrig. Po. General Office Work for a. a Kales - Buile der

Extra-curricular undergraduate activities:
Physics Clue- Publicity managed
Reporter for weakly oclose newspoked

Reasons for making this application: I should like
to see the grunciples of physics applies to a more
pemperapuse project than is the school habratory, for 9
welcome is more a heighter my interest and understanding of the subject

## Dr. Vala P. Barton

If available do you wish to live at the house for M.I.T. Women Students?

APPLICATIONS WHEN PROPERLY FILLED OUT SHOULD BE SENT T Miss Dorothy W. Weeks, Professor of Physics, Wilson College, Chambersburg, Penns.

NAME: Elaine Hungarman

Home Address:

Box 492 National Dr. Wilson College
R.D. 6
Pittsburgh 10, Penna Prina

Prina

Colleges: Class: Degrees:

Wilson College 1946

B.A. (June 17,1946)

Allied Subjects: Physics and Math Major Pield: Chrmistry Courses: Courses General Inonganic Chemistry PHYSICS: (ZENERAl Physics Qualitative Pinalysis hight Quanitation Phalysis Spretnoscopy Organic Chamistry Physical Chromistry Adv. Quan-Food Amalysis College Prigatora Prudyteal (cromstry Physiological chrmistry Calculus

Former positions:

1. Bank pagz, summer of 1942

2. Assistant in cham lab, Pittsburgh Testing haboratory, summers of 1943, 1944, 1945.

Extra-curricular undergraduate activities:

Onchesis, Trus paper (photography), departmental clubs of Chemistry, German, and Math, Freshman chonus

Reasons for making this application:

To obtain much-neraza experience in chosen career

Recommended by:

Dr. Dunothy W. Works

If available do you wish to live at the house for M.I.T. Women Students?

APPLICATIONS WEEN PROPERLY FILLED OUT SHOULD BE SENT TO Miss Dorothy W. Weeks, Professor of Physics Wilson College, Chambersburg, Penns.

NAME: Slaine Hungs	man		
Home Address:  Box 497 National Dr.  R.D.L  Pittsburgh 10, Penra	<u> </u>	College Address: Luison College Chambersburg Pruna	
Colleges:	Class:	Degrees:	
Wilson College	1946	B.A.	(June 17,1946)

Major Field: Chrim Allied Subjects: Physics and Math Courses: General Inorganie Chemistry PHYSICS: (zeneral Physics Qualitative Analysis Quantative though sis Spretroscopy Organic Chrmistry MATH: College Algebra Physical Chrmistry Four Quan-Food Arralysis Physiological Chrmistry Former positions: Analytical Cromstry Calculus

1) Bank page, June-Aug, 1942

2) Assistant in cham law, Pittoburgh Testing haboratory Summers of 1943, 1944, and 1945

Extra-curricular undergraduate activities:

Orchesis, Newspaper (photography), departmental clubs of Garman, Math, and Christry, Freshman Chorus

Reasons for making this application:

For much needed en primer in chosen correr

Recommended by:

Dr. Dorothy W. Wrzks

If available do you wish to live at the house for M.I.T. Women Students?

N PROPERLY FILLED OUT SHOULD BE SENT TO Miss Dorothy W. Weeks, Professor of Physics Wilson College, Chambersburg, Penna. Hay Finn Inn Rehoboth Brach Del.

(June 17 - June 28)

P.S. Heard from F.B.I. - "no xacancies"

#### - PERSONAL POSTALS -

Place One Cent Stamp Here

Dr. Weeks

NAME: Marjorie ann	lues
Home Address: 119 North Bates avenue Kingston, Pennsylvania  Colleges: Class: Wilson College 1947	College Address:  Olumnae Hall Wilson College Chambersburg, Pa.  Degrees:
Major Field: Courses? Senual Physics Electricity Electronics	Allied Subjects: Mathematics Courses: College Algebra, Trignometry and Analytical Assometry. Differential and Integral Colembus Advanced Calculus Bufferential Equations Projective Islametry Solid analytical Beauty
Former Positions: Summer work- Assistant 1943-1944-1945	in The Nort Library, Kingaton, Pa.
Extra-curricular undergraduate President of Physical Science Cl Photography editor of newspa Member of dramatic club c Archery manager	per ostune forum
Reasons for making this applica to gain experience in the and techniques for chose	ation: use of laboratory equipment en coteer.
Recommended by:	
Miss Dorothy, W. We	
f available do you wish to liv	e at the house for M.T.T

Women Students?

APPLICATIONS WHEN PROPERLY FILLED OUT SHOULD BE SENT TO Miss Dorothy W. Weeks, Professor of Physics, Wilson College, Chambersburg, Penna.

NAME: Marjoire ann	_lves
Home Address:	
119 north Bates avenue	College Address:
King 7-11 Pa	*34 alumnae Isale
Kingston, Penna.	Wilson College Chambersburg Pa.
Colleges: Clas	s: 1947 Degrees:
Wilson College	
Major Field: Courses:	: Allied Subjects:
General Physics	mathematics Courses:
Electricity	: College algebra, Engrowetry and
Electronies	College algebra, Engnometry and Dealytical Geometry. Solid analytical Geometry.
	. Differential and futtogral accures
	Alfanced Calculus Lifferential Equations
A/A	Projective Geometry.
Føymer positions:	
Assistant in the libe Summer worke) 1943,19	rangat Mu Dayt debray, Knighton, Pa
Extra-curricular undergraduet	e activities:
President of Physical Science Cl.	lub- 1946-7 " 1945-6
Photography Editor of Weekly Costume form of dramate	school Publication
archery manager	e Club
Reasons for making this appli	estion:
labratory equipment	& techniques for future
work after graduation	de techniques for future
Recommended by:	
Dorothy W. The	les
If available do you wish to 1 Women Students? Yes.	ive at the house for M.I.T.
APPLICATIONS WHEN PROPERLY FI	
miss Dorothy W.	Weeks, Professor of Physics
warnen cerrale	Chambersburg, Penna.

Marielle a	sset	
71 arange St Brooklyn, n. J.	Hoss Collige Frederick Maryland	
Barnard 1928 Radeliffe 1933  Heat Radis Opties Humstynimit Clietricity Franktin Clietronics Theory Acoustics X-Rays  Leacher of p		
Extra-curricular undergradu		
Lessens fer making this are	11001100	
De you wish suggestions for living arrangements?		
	MILLED OUT SHOULD IN CHAR TO	

NAME: Barbara D. Grav		
Home Address:	College Address:	
5918 Bay Parkway	Connecticut College	
5918 Bay Parkway Brooklyn, n.y.	New houdare Cann.	
*	Cann.	
Colleges: Class:	Degrees:	
Connecticut College (June)	Expected	
Connecticut College (June) for Women 1941	$\mathcal{B}$ .A.	
Major Field:	Allied Subjects:	
Courses:	Courses:	
1. Frig onounctry , + advanced Celge bra 6	1. General Physics 6 numbers are	
2. hualytic Geometry 6:	2. Right + Sound, Heat 6 Remeter have	
3. Differential + Integral Calculus	3. Electricity & modern Physics 6	
advanced Calcular a Willerential	1. General astronomy 6	
4. Theory of Equations + 3 advanced Calculus + Olifferential lequations 3	6 History of astronomy & Elementary astrophysics 6 7 Photography 3 8 HE Echanics 3	
	S W Lcharles 3	
Affice work in High Sch		
Extra-curricular undergrad	note ectivities	
	CALCA W. CALCA W. A. C.	
Choir, Club-		
Drawatie Club		
Ressons for making this an	plication: 9 am very much	
interested in spectroscopy &	would appreciate an apportunity to extend	
my knowledge of the subject.	I believe the experience of working in a large	
interested in spectroscopy & would appreciate an apportunity to extend my knowledge of the subject. I believe the experience of working in a large university and meeting people there will be valuable to bue: my		
Recommended by - G. K. Daghlian. Professor of Physics & Director of Airs Border astronomical Observatory, Connecticut Collège, New London, Conn.		
Untronoucel al Observatory, Connecteut Collège, New London, Coun.		
Do you wish suggestions for	r living arrangements?	
yes	felial	
APPLICATIONS WHEN PROPERLY	FILLED OUT SHOULD BE SENT TO	
Miss Dorothy W.	Weeks, Professor of Physics,	
Wilson College,	Chambersburg, Penna,	

DEPARTMENT OF PHYSICS

May 12, 1941.

Prof. Dorothy Weeks Wilson College Chambersburg, Pa.

Dear Miss Weeks:

One of our students, Barbara Gray, is applying for the work at M. I. T. this summer. She is the person I spoke to you about who is returning as an Assistant in Physics and Astronomy here next year.

Miss Gray has majored in Mathematics in college but has the equivalent of a major in Physics and Astronomy. She has a very keen interest in the physical sciences and has always been a good student. She has been taking a course in Modern Physics with me this semester in which we have considered the structure of the atom quite carefully. Miss Gray will be familiar with the Bohr theory of the atom and its application to the hydrogen spectrum but we didn't get very far with the different quantum numbers. I think that she has sufficient background and ability to go into Dr. Harrison's course in spectroscopy.

Dr. Daghlian and I are both very fond of Miss Gray. She is always agreeable and is sufficiently mature to make us feel that she will work out well as an Assistant in our department. I think the experience at M. I. T. this summer would be very valuable to her both in the work she would be doing and in the contacts she would make in a large university.

Sincerely yours,

avis Borden

MANE: Mary Schobacke	r
Home Address:	College Address: Wilson College Chambersburg, Pa.
Colleges: Class:	Degrees:
Wilson College 1942	
Major Field: physics	Allied Subjects: mathematics
Courses:	Courses:
introductory	college algebra + trig
atomic	colculus
Former positions: -	***************************************
Extra-curricular undergrad	uste activities:
yearbook	
Reasons for making this ap	plication
Recommended by	
Do you wish suggestions fo	r living arrangements?
APPLICATIONS WHEN PROPERLY	FILLED OUT SHOULD BE SERT TO
Miso Dorothy W.	Weeks, Professor of Physics,
Wilcom College	Chambawaluswe Danisa

Elizabeth Woodburn.		
Home Address:	College Address:	
1440 Elh Street	Wilson Collège	
Manklin	Chambersburg	
Pennsylveinia.	Pennsy Ivania	
Colleges: Class:	Degrees:	
Wilson Callege 1942		
Major Field:	Allied Subjects:	
Courses	Courses	
	General brology.	
Chemistry- general	Comparative anatomy	
	B .	
analysis.	mathematics \$05-106	
Organic chemistry.	General Physics.	
77		
Former positions:		
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Extra-curricular undergrad	luate activities:	
Reasons for making this ay	oblication:	
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Recommended by		
***		
Do you wish suggestions for living arrangements?		
***************************************		
APPLICATIONS WHEN PROPERLY FILLED OUT SHOULD BE SENT TO		
Riss Dorothy W. Weeks, Professor of Physics,		
Wilson College, Chembershurg, Penns.		

Eleanor 9. Duprie 28 Poole 4. Prockton, Man. Katharino J. Russell of 20 Percival Street 2022 Dorchester, Man. Col. anna M. Korlander gust 940 Whitman Hall Combridge (Home- 10 Junion Sh New Bedford) Man. Elizabeth Cooper (astronomy) 4 9651 Everett House Elext 9651 (Homo: Moulton St., Rehoboth)

Journal of Res. But of Std 1:641 (1929)

The War war !