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FEB	3 4 5 10 11 12 17 18 19	6 7 8 9 13 14 15 16		N. Z. C. L. C.	6 7 13 14 20 21	15 16
MAR	9 10 11 16 17 18	5 6 7 8 12 13 14 15 19 20 21 22 26 27 28 29	SEP	1 2 7 8 9 14 15 16 21 22 23 28 29 30	17 18 24 25	5 6 12 13 19 20 26 27
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Women have now shown that they can take a college cours without injury to their he health and with great bene fit to their intellectual powers, It remains to be proved that a college cour will produce its natural fruits in at least a handful of women who shall take a proper share in the inte lectual activity of their countrymen. There are plen ty of women who are welleducated; there are very fe who are engaged in making additions to the world's stock of knowledge.

Our motive is not sympathy for girls who would like to study a little more; it is to offer an additional incentive to gifted women to become the guides and examples of younger students, and to

to enable the few who are rucapable of doing the hardest kind of intellectual work, to aid in the long task of wresting knowledge from nature. II . siswoo proved that a college cour will produce its natural -based a Jasel ta ni ajiuri ful of women who shall tak a proper share in the inte lectual activity of their countrymen. There are plen ty of wemen who are welleducated; there are very fe who are engaged in making additions to the world's stock of knowledge. -mvs for si evijom TuO bluow onw airis tol valso like to study a little more: it is to offer an additional incentive to gifted women to become the guides and examples of younger students, and to

Introductory remarks

Answer questions which might be posed and deservanswers.

l.Can research be carried on effectively at the post-doctorate level now that foreign universities not available?

Drop in post-doctoral ate applicants immediate ly after October 1939.

Experience last 2 yrs.

Marked increase in proportion of applicants with Ph.D. Especially conspicuous this year.

Type of opportunities and equipment and leadership available in this country. Loss of contact with utterly different intellectual environment but stimulaus of new associations and person-

alities. Exchange within boundaries of U.S.A. Many European leaders now in our universities. Adjustment made in 1939. These possibilities now accepted by those qualified for our fellowships.

2. How is the work to be carried out on such fellowsh ships to be correlated wit. the war emergency. Aspects of the problem (&) People specially fitted for war projects not likely to apply. Needed immediately in war efftort. Dearth of applicants in physics and chemistry this year. Long term aspects of this. Record of our past fellows Drl. Jupnik this year Our attitude if we shall not be financing war work direct] Shall we finance projects not directly or immediately

related to war problems.

(x) Impossible to foreses implications and needs Seemingly remote problems . may become overnight of urgent importance. Training must have preceded criss

...imperative to continue to support research for its own sake. If no practical application, need for maintenance of schloarly traditions of work. greater the variety of subjects pursued the better fortified we are for the future, and the our conservation of scholarly ideals No one can foresee the needs of the future. Respon sibilitees will fall to women. We perhaps in the crucial position in relatio

to the problem. (y) Field with no relation to war effort. Other open ings lacking to women, or

. mmoO abtawa to

Use of fellowship best use of her time in preparing for responsibilitie of leadership which wio await her at cllse of war. Where there is coincidence of war needs and fellowship rojects, welcome, but awards should not be made on that basis. Must conse serve other intellectual interest. Must secure unsinter upted succession of scholass.

Quate Rockefeller Foundation: Pure research, the clean urge to gain new knowledge, the sympathelic appreciation of imaginativ scholarship even when it seems remote and unrelated these we must seadfastlesponsor or our vital intellectual resources will fai us in the days to come. Awards of current

year reflect this conviction on part of Awards Comm.

Fellows Born: Austria, Connecticut, Denmark, Indiana, Maryland, Massachusetts, New Jersey, New York, Russia.

Worked in following institutions: Albertus Magnus College, Brown University, Butler University, U.C.L.A., U.C., U. Cincinnati, Goucher College, Harvard Medical School, Iowa, Nebraska, New York University, Oxford, Pennsylvania, Radcliffe, Swarthmore, Vassar, Wellesley, Wilson.

Award fields: 4 Bi.Sci., 4 Arts & Lit., 2 Soc.Sci., 1 Phys. Sci.

Committee menters. Lawra White - 1945. Horena White Varsa (Nounas) Campbell Eight ( miliams) Hibland - Obertin - Biology Surversion bellely . Cha. High metale- This Educ. Link - W.C. Chem.

Include 4 from field of Humanities: Z from English Little Renais-sance Art, 1 Archaeology: \$ from Social Sciences: ( 1 Law, 1 Economics, 1 Anthropology; & from Biol. Sci., 1 Botany, 1Physiology 13 from Phys. Sci. I from Astron., 1 Math., 1 Meteor. In 1941, 3 in Hum: 1 each in Eng., Amer. and French Lit.; 3 in Soc. Sci., 1 each in Hist. Sociol, -T. Anthropol.; 3 in Biol. Sci - 1 each in Genetics, Cancer and Public Health; 2 in Phys. Sci., both in Physic Distribution remarkably uniform considering mode of selection which is with out reference to fields. Find shift in topics, but broad fields remain about same in distribution.

What for the future?
Immediate, ceratinly keep
on with fellowships
increasing if possible
Other openings for help
More Latin-American Fellowships; grants in aid

What they do. Academic dareers for most part, where they are serving with dist nontinction --- college prestdents, heads of departments, college professors and instructors with varenious ranks, research positions. More recently wider variety of openings to women in fields of in# tellectual endeavor, and f find our fellows entering them, equipped to make the most of their opportun twoities mer ableit beord

same in distribution.

The holders of the fellowships have not work ed wonders as yet, and may never attain to that; but the greater achievement in scholarship, the larger experience of life and the wider intellectual horizon made possible to them by the fellowship cannot fail to yield a return. Members of the association often do not realize that the gift of a fellowship for a single year means to the recip ient far more than one more year of additional study. It means encouragement that enables her to find the way or make one for the years of study when ijn many cases at least there had seemed to be no such possibility. It means, too, the mental fresh air and sunshine essential to healthy growth. I have

little doubt that every woman who has held a fellowship feels that what it has brought to her a alone is worth many times the amount of the fellowship, and in reality the results redound to the advantage of many besides the holder idewolfer edt to vield a return. Members of the association often do not realize that tan grift of a fellowship for a single year means to the recir ient far more than one maxe .ybuja isnoitibbs to resy It means encouragement that enables her to find the way or make one for the years of study when in many cases at least there had seemed to be no such possibility. It means, too, the mental fresh air and of Isineess enidanus healthy growth. I have

Fellows

Ashkenaz: Bi.Sci.Response of cells to drugs. Ph.D. Atkinson: 16th Century English Lit. Ph.D.

Colson: Anthrop. Study of Makah Indians of Neah Bay Fitch: Economic Hist.

Maharam: Mathematics Ph. D. Parker: Vegetation of U.S. Ph.D.

Randolph: Satirein 18th century Eng. Lit. Ph.D. Rubenstein: Astrophysics Star Spectra

xweikerScofield: Meteorology Weather prediction Ph.D. Welker: Archaeology Metal types before 1000 B.C. Ph.D types befor

The quantum mechanical epigen-values and wave functions in exact and explicit form for systems consisting of one electron in the field of two nuclei of shole with various ratios of the nuclear charges and values of the internuclear distance for use in predicting approximately on theoretical grounds, the properties of many-electron diatomic melecules.

critical edition of the Vatican Mythographers in field of medieval Latin.

Doerflein Individual Benefits in Public Welfare.
Political Science, study of Social Security program, etc.

Niederer Roman and Early Christian Architecture

## Alternates this year

Mengers Biography of Henri de Regnier, French symbolist poet, influence on recent and contempo rary English and Ameri can writers.

Tilton Biography of Oliver Wendell Holmes Now on V.C.faculty.

Elliott To make a first critical edition of the Vati can Mythographers in field of medieval Latin.

Doerflein Individual Bene fits in Public Welfare. Political Science, study of Social Security program, etc.

Niederer Roman and Early Christian Architecture

Groothuis Dietary Factors influencing Phospholipid Metabolism in the Animal Organism. Use radioactive phosphorus as a tracer.

Rhines Experimental study
of nervous system of chick
embryo

Berline: Parker Botany Paliner. Dean med lit. Reich and Horn Borthil Pacoken neg carden & Biol. Brush Peters astron. Jodini art Froduan Educ, author John Educe Young. Lir. + Ohis. Latin american. Obste hirian. medicine - Endouindog.

## Unknowns for Course 6. Solids for Unknown E. Na- K 2. Na- NH4 3. Na- K- NH4 Solutions. Unknown II. 1-5& Ca- Mg Ba- Ca (Sr) 2 3 Ba- Sr do not give alo 4 Sr- Mg Unknown III. 567890 Al- Cr Al- Ni Al- Zn Cr- Ni Fe- Ni Ni- Ce Co- Mn Co- Zn Mn- Zn Ni- Zn Ni- Mn 7 Cr- Co

	Unknown IV.
14	Ag-Pb
15	Pb, Hg"
16	Pb- Cu
17	Pb- Cd.
18	Hg!-Bi
19	Hg' - Cd
20	Hg"- Bi
21	Hg"- Ou
22	Bi- Qd

## Unknown V. 23 H3As03 24 SbCl3 25 SnCl2

Unknown VI. General √26. As Hg Bi Al Ni Ba K 27. As Pb Cd Al Zn Mg K 27. As Pb Hg Cr Ni Sr NH4 \*30. As Pb Cu Al Co Mg K 29. As Pb Fe Ni Ca Na K 31. As Pb Bi Cr Mn Be Na 32. As Pb Cd Al Mn Sr K √33. As Pb Hg Cr Co Ca NHA 34. As Hg Bi Al Zn Ba K 35. As Pb Cd Cr Ni Ba Na K All nitrates except HzAsOz 36. HCl Sn Bi Cr Ni Ba Na 37. " Sn Cd Al Ni Ca Na 38. " Sn Cu Al Zn Sr Na
39. " Sn Bi Al Mn Ca Na
40. " Sb Cu Cr Ni Ca NH,
41. " Sb Cd Al Zn & K All Chlorides v42. HNO3 Ag As Hg Al Mn Ca Wil 43. As Pb Cd Cr Ni Ca Na V44. As Ag Bi Al Zn Ca Na 45. As Pb Cd Fe Ni Sr Na 41. Ag cd as te ni de Ma 47 ag as ed al co Ba Mit

Solids.

	Solids.			
0	1. NH <sub>4</sub> Cl 26.	25. Ba003 (SO4)		
	2. KCT CaCO3	25a BaCl2		
	33 NaOl Cool	ash Ba(NOz)o		
	2. KC1 CaG03 33 NaC1 CaG12 4. KBr 26b	oz SrCOz		
	5 KT Ca(NO-	STRR		
0	5. KI Ca(NO3	25. Ba012 25a. Ba012 25b. Ba(NO3)2 27. Sr003 27a. SrBr <sub>2</sub>		
	lies !	1005 (20) 5		
	7. K20204	27cSrCl <sub>2</sub>		
	8. KC103	28. BaSO4		
	9. KN03	29. Srso4		
0	10. KzAs04	30. CaSO4		
	11. K4Sb207			
	12. K3AsO3	31. Ca3(PO4)2		
	13. K <sub>2</sub> CO <sub>3</sub>	31a OaHPO4		
	. 1	32. Ba3(PO4)2		
-	14. КВ В С 4 Н4 О 6	33. CaC204		
0	15. K20r207	34. SrC204_NO3 C1		
	15. K2SO4 17.Na2SO4	34. SrC204, NO3, Cl Ba, Na, Ca, Fe. 3, Cl		
	17 Na2 4	35. MgNH4PO4		
	18. Na2B407	3600 ANH 1 4 801 COL		
0	19 Na2S203	360gNH4AsO4, SO4 a little NaCl.		
	20. (NH4)2003	37.0eF2		
	21 HN03	38. MgCO3, tr.Cl		
	22 1000	26. 11500		
	22. H2C4H4O6	39. MgSO4		
in	220 NaKC4H406	40 FePO4		
	ZZP SUGAR	41 Fe20z		
	25 HOl, dil.	41a. Al Pou so. Nu		
	25 HO1, dil. 26. H3 BO3	41a. AlP04, SO4, NH4		

```
43. Al203
   44. Cr203
45. Fe(NH4)26SO4)2, tr. K
46. Al2(SO4)3
      47. KCr (SO4)2
48. NH4CNS
      49. NaFe(0204)2
      50. MnS04
      51. MnCl2
    52. Coso4
    52a. 000204
   53. Mn0204
      54. NiCO3, much Mn
  55. ZnCO<sub>3</sub>
56. Ni<sub>3</sub>(PO<sub>4</sub>)<sub>2</sub>, tr. Ol
57. Ni(NO<sub>3</sub>)<sub>2</sub>
58. Co(NO<sub>3</sub>)<sub>2</sub>
59. Co<sub>3</sub>(PO<sub>4</sub>)<sub>2</sub>
59. Ni<sub>8</sub>O<sub>4</sub>
59a. Ni<sub>2</sub>O<sub>4</sub>
   60. ZnSOL
    :61. Zns
62. ZnO<sub>2</sub>O<sub>4</sub>
63. Hg(NO<sub>3</sub>)<sub>2</sub>
64. BiI<sub>3</sub>
    65. HgS
     66.
67.HgO yellow
```

```
69. Cu<sub>3</sub>(PO<sub>4</sub>)
70. BiONO<sub>3</sub>, tr. c1
71. Cu(NO<sub>3</sub>)<sub>2</sub>
          CuCO<sub>3</sub>
           Od(NO3)2
72. Cd(NO
73. CusO<sub>4</sub>
74. CdsO<sub>4</sub>
75. HgI<sub>2</sub>
76. HgOI<sub>2</sub>
 76.
77. HgCl
77. Pb(NO<sub>3</sub>)
78. Pb(NO<sub>3</sub>)
79. Pb(C2H<sub>3</sub>O<sub>2</sub>)<sub>2</sub>
80. PbI<sub>2</sub>, tr. C2H<sub>3</sub>O<sub>2</sub>, K, Fe. SO<sub>3</sub>
81. PbBr<sub>2</sub>
82. PbSO<sub>4</sub>
83. PbCl<sub>2</sub>
84. PbCO<sub>3</sub>
 85. Pbord4
 86. Pbs
 87. CdCO3, tr.Cl
 eg. HgNo3
 89. SnS2
           As253
 90.
 91. Sb2S3, tr.Fe
 92. AgNo3
 93. Sn0
 94.
  95.
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SbOCl Sn insol. Residue
   96.
       Sb203
   97.
       Sbook
  98.
   99. AspOz , K
  100. CoSOL Ni free
  101.
  102. Na2SnOz, tr. Cl, SO4, 002
  103. Si00
  104. Brass
  105. Woods: Bi, Sn, Cd, Pb, (Cu?)
  106. Type: Pb, Sn, Cu, (Sb, tr.?)
  107. Solder: Pb, Sn, tr. Sb, (Fe?
  108. Babbitte Pb, Sn, Zn, Bi, Cu,
         ris Green, Cu As acetate
            lin Sion K. Majal, te
  114. Fey He (CM) 43
  115. Siderita 5:0, Cul?
   Lett Fett al. Ca Bally
* al, Ma. Cos, DiOz, A. t. Fe,
   Cos(tr. cl, K, Na? Ba? Caro,
```

Bottle 2. Bottle 1. 99. As<sub>2</sub>03 99. As<sub>2</sub>0<sub>3</sub> 27. Cd00<sub>3</sub> 97. Sb<sub>2</sub>0<sub>3</sub> 70. BiONO<sub>3</sub> 67. HgO 99. As<sub>2</sub>03 68. Cuco3 70. BioNo3 67. Hg0 1 acid 2 acids Bottle 4. Bottle 3. 11. K4Sb2O7 36. MgNH4AsO4 68. CuCO3 68. CuCO3 87. CdCO3 67. HgO 55. ZnCO3 87. CdCO3 (2%) 1 acid. 1 acid. Bottle 5. Bottle **65**8 84. PbCO3 36. MgNH4AsO4\*CC 55. ZnCO3 68 Ouco3 97. Sb<sub>2</sub>0<sub>3</sub> 1 acid 87. OdC03 70. Bioxo3 67. Hgo Bottle 6a 2 acids. 102. Na2Sn03 70. BioNoz Bottle 6 11. K4Sb207 74: AgNO3 1 acid 73. CuSO4 63. Hg(NO3\$2 Hard.

Bottle 7a. Bottle 7. 62. Zn0204 32. Baz(P04)2 41. FePO4 41. FePO4 41a. AlPO4 41a. AlPO4 55. Zn003 35. MgNH4P04 2 acids 25. BaCO3 34. Src204 3 acids. Bottle 7c. Bottle 7b. 31. Caz(PO4)2 62. ZN C204 35. MgNH4PO4 34. SrC2O4 55. Mn0204 2 acids. 35. MgNH4P04 41. FePO<sub>4</sub> 2 acids (C1) Bottle 9. Bottle 8. 47. K20r2(304)4 46. A16SO4)3 55. Zn003 60. ZnS04 59a.Ni0204 . 59. Niso4 51. MnCl<sub>2</sub> 76. HgCl<sub>2</sub> 52a. 000204 3 acids. 2 acids. Bottle 10. Bottle 11. 84. Pb003 36. MgNHUPO4 955. Zn003 25b. Ba(NO3)2 53. MnC204 seeps 58a. 00 55. Zncoz 54. Nicozilla 3 actos

Bottle 13. Bottle 12. 41. FePO<sub>4</sub> 41a. AlPO<sub>4</sub> 58a. Coz(PO4)2 59a. Nió204 53. MnC204 62. ZnC204 102. Na2SnOz 53. MnO2O4 2 acids. 48a. AlPO4 very troublesome 32. Baz(PO4)2 2 adids. Bottle 14. Bottle 13a. 34. Sr0,04 54. NiCO3 58a.Co3(P04)2 33. CaC294 35. MgNH4P04 47. K2Cr2(S04)4 54. Nicoz (1%) 25. Ba00z 52a. CoC204 26. CaCOz 34. SrC<sub>2</sub>O<sub>4</sub> 3 acids. 3 acids. Bottle 16. Bottle 15. 36. MgNH4A804 11. K4Sb207 32. Ba3(PO<sub>4</sub>)<sub>2</sub> 36. MgNH4AsO<sub>4</sub> 49. NaFe(O<sub>2</sub>O<sub>4</sub>)<sub>2</sub> 77. HgO<sub>1</sub> 55. ZnOO<sub>3</sub> 27. SrOO<sub>3</sub> 53. Mn0204 26. CaCO3 3 acids. 41a. Alpo4 51. MhCl2 3 acids.

```
Bottle 17.
                                       Bottle18.
     97. Sb203 92. AgN03
  68. Cuco3 76. HgCl<sub>2</sub> 62. ZnC<sub>2</sub>O4+al 70. BiONO<sub>3</sub> (Cl)
 53. MnC<sub>2</sub>O<sub>4</sub> 57. Ni (NO<sub>3</sub>)<sub>2</sub>
                            53. MnC<sub>2</sub>O<sub>4</sub>
41. FePO<sub>4</sub>
     41. FeP04
35. MgNH4PO4
25a.BaCl2
                            26. CaCO3
          4 acids. 35. MgNH4 PO4
                               32. Baz(P04)
                                      5 acids.
  Bottle 19.
                                Bottle 20.
  102. Na2SNOz 68. CuCOz
76. HgCl<sub>2</sub> 41a. AlPO1 + Algonome 25b. Ba(NO<sub>3</sub>)<sub>2</sub>
60. ZnSO<sub>4</sub> 27b. Sr(NO<sub>3</sub>)<sub>2</sub>
646. Al<sub>2</sub>(SO<sub>4</sub>)<sub>3</sub> 3 acids.
36. MgNH4AsO<sub>4</sub>
                          41a. AlPO4 + 1 1= C.
   27. Sr003
      4 acids.
Bottle 21.
    72. Cd(NO2)2
    68. Qu003
  55. ZnCO<sub>3</sub>
41a. AlPO<sub>4</sub> 25b. Ba(NO<sub>3</sub>)<sub>2</sub>
   36. MgNH4P04
                                4 acids.
    33. CaC2O4 '
```

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Bottle 21a. Bottle 22.
      10. KzA804 32. Baz(P04)2
 76. HgCl<sub>2</sub> 33. CaC<sub>2</sub>O<sub>4</sub>
62. ZnC<sub>2</sub>O<sub>4</sub> 27. <del>Ca</del>CO<sub>3</sub>
53. MnO<sub>2</sub>O<sub>4</sub> 3 acids.
54. NiCO<sub>3</sub> Bottle 23.
    52a. CoC204 31. Ca3(PO4)2
47. K2Cr2(SO4)433. CaC2O4
 35. MgNH4PO4 26. CaCO3
41a. AlPO4 26b. Ca(NO3)2
5 acids. 24. H3BO3
26a. CaCl2
6 acids.
Bottle 24. Bottle 25.
                           2. KO1
 8. KClOz
56. Niz(PO4)2
                           4. KBr
                    5. KI
7. K2C2OA
9. KN63
24. H3BO3
 13. K2003 13. K2003
13. K<sub>2</sub>003

17: Na<sub>2</sub>S04

6 acids.

Bottle 26. Bottle 27.

2. KCl 24. H<sub>3</sub>B03
                              15. K20r207
   4. KBr
                           16. K2SO4
  5. KI
. KNO3
                           9. KN03
                              2. KOL
                      24. HzB0z
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Wearing Oppore Clothe nickties Bedding

Cherolater Daltie Permits Mis cellarions Flashlight Batteris Bulls. Whetstone Deisons - Muid Correlation Minterefup ! Surrig 7 Kit foilet Vaper

56t. \$550 160 a collegueros especies especies