

BARNARD BULLETIN

Vol. X., No. 15.

MONDAY, JANUARY 23, 1906.

PRICE 5 CENTS.

PHYSICAL BASIS OF INHERITANCE

On Friday, January 12, the members of the Early Bird Club and their friends enjoyed a most interesting afternoon listening to Dr. Edmund B. Wilson, Dean of the Faculty of Pure Science at Columbia. Professor Wilson took for his topic the physical basis of inheritance, and also touched on the subject of the determination of sex. His remarks were based chiefly on his own recent experiments. The substance of his address is as follows:

As protoplasm of the cell is the physical basis of life, and as the nucleus is the heart of the cell, the physical basis of inheritance must lie in the nucleus—or more exactly, in the chromatic matter of the nucleus. To form the zygote (the parent cell after fertilization) two gametes must fuse, each gamete containing the fundamental characteristics of both parents, respectively. The mixture of traits resulting from the fusion of the gametes is not itself a fusion, but an interweaving. The characteristics are always distinct. The basis of inheritance lies, then, in the chromosomes of the nucleus and as the parent cell divides (after fertilization) these chromosomes divide equally, each resulting cell receiving half of the maternal and half of the paternal chromatic matter.

Dr. Monkhouse has crossed two breeds of fishes, the Fundulus and the Mænedia, and as the chromosomes in one are smaller than in the other their development could be clearly traced throughout the growth of the animal.

The fact that inherited characteristics never fuse but only interweave is found in the breeding of mice. All of the offspring of a gray and a white mouse will be gray in the second generation, for gray predominates over white, but in the third generation the gray and white elements will separate and there will be three gray mice to one white mouse.

Professor Wilson also spoke very briefly on the determination of sex as indicated in his study of the Squash Bug. The number of the chromosomes in a given species is always the same. In the Squash Bug, he has found, there is one more chromosome in the female than in the male, and, in all probability, the gametes containing eleven chromosomes fuse to form females, and the gametes of ten chromosomes fuse to form males. Hence sex, in the Squash Bug, is predestined before fertilization. Of the whole matter of sex, little is yet known, however.

PROF. CRAMPTON ON BIOLOGICAL EXPEDITION.

Professor Henry E. Crampton has obtained leave of absence from January 20 to April 15 in order to undertake some biological investigation for the American Museum of Natural History. His field of observation will be the Island of Tahiti and the Society Islands in the Pacific. The islands are of volcanic formation, and in its isolated valleys are found species of molluscs which have undergone individual evolution. Dr. Crampton will stop at New Orleans, and will visit the Desert Laboratory of the Carnegie Institute in Tucson, Arizona. He will finish his preparations in San Francisco, and sail from that city on February 3. During Professor Crampton's absence, the zoological work will be under the direction of Dr. William E. Kellicott.

COMPARISON OF SELF-GOVERNMENT ASSOCIATIONS.

(Each of us has had an added interest in self-government, we take the liberty of reproducing, with emendations, a report in the *Tipyn o'Bob* for March, 1905.)

The organization of the Associations.

1. —X of the original charter (extent of jurisdiction of the Association and the power of the Faculty).

Vassar Charter gave control over three

things: 1. Quiet in buildings. 2. Order on campus. 3. Social engagements (including intercollegiate relations). The college has control of college entertainments. 4. Athletics.

Simmons.—No charter. The students have not yet thoroughly developed their system of government. It is dependent on the will of the Dean.

Women's College of Baltimore.—Charter granted one week. The Faculty have authorized the students to act along certain lines. Steps are being taken to get a definite system.

Wells.—The charter was in the form of an agreement between the Faculty and students. It gave the students control of: 1. Quiet hours and the retiring hour. 2. Chapel attendance. 3. Athletics. 4. The College Magazine.

Wilson.—Charter gave control of: 1. Quiet hours. 2. Order on the campus. 3. Fire drills. "Quiet hours" includes quiet in the dormitories, near the Infirmary and in the dining room.

Brown.—The charter granted by the Faculty gave the students control of: 1. Matters of conduct. 2. Social life (including formation of societies). 3. Cheating in college work. 4. Absence from recitations. 5. Absence from chapel. 6. Quiet in the halls. 7. Use of books.

Cornell.—No charter from the Faculty. The warden allowed to students to adopt a form of student government in the dormitories. They control: 1. Quiet hours. 2. Fire drill. 3. Dances.

Barnard.—No definite charter. The students control matters not academic affecting student body as a whole.

Mt. Holyoke.—No charter. The students control: 1. Church and chapel attendance. 2. Quiet hours and retiring hours. 3. Fire drill. 4. The College Monthly. 5. Several social functions.

Bryn Mawr.—Charter granted by the Trustees and the President. The Association controls all matters of conduct. The college authorities reserve control of: 1. Academic matters. 2. Public entertainments. 3. Household management (controlled by warden).

Wellesley.—Charter granted by the President and the Faculty, with the sanction of the Trustees. The Association controls all matters not strictly academic. The Faculty reserve the control of: 1. All entertainments and organizations. 2. Publications. 3. Matters pertaining to public health and safety. 4. Matters pertaining to household management and college property.

B.—The officers. Their duties and powers.

Vassar.—President, Vice-President (President of main building and chairman of off-campus committee); Secretary, Treasurer. Self Government Committee—13 members: President, Vice-President, 2 seniors, 4 juniors, 3 sophomores, 2 freshmen. House-presidents—Vice-President and the 4 junior members of the Self-Government Committee. Proctors—about 40 in number, including off-campus proctors.

Simmons.—President, Senior; 4 Vice-Presidents, Juniors (representing different departments of college); Secretary, Senior; Treasurer, Senior; Executive Board (appoints an advisory board of Sophomores to look after the Freshmen).

Woman's College.—President, Senior; Vice-President, Senior; Secretary, Sophomore; Treasurer, Junior; Executive Board—President, Vice-President and one member from each of the three other classes. Proctors—(sixteen in number) who carry out the will of the Executive Board and levy fines for infringement of rule.

Wells.—President, Vice-President, Secretary Executive Board—President, Vice-President, Secretary. Self-government Committee—President, as chairman; 2 Seniors, 2 Juniors, 1 Sophomore, 1 Freshman and such representation from outside buildings as is deemed necessary.

Wilson.—President, Senior; Vice-President, (secretary of the Executive Board) Senior; Secretary, Junior; Treasurer, Junior. Executive Board—President, Vice-President, 1 Senior member, 2 Juniors, 2 Sophomores.

(Continued in next issue.)

SCHEDULE OF MID-YEAR EXAMINATIONS, 1906.

WEDNESDAY, JANUARY 24.

9.10 A. M.

Economics 121	Room 301
Latin A 1 { Section I	Theatre
{ Section II	Room 139
Latin B 1 { Section I	Theatre
{ Section II	Room 139
Latin 21	Room 213
Zoology 157	Room 414

1.10 P. M.

Education 161	Teachers' College
Music 101	Columbia
Music 103	Columbia

2.10 P. M.

Chemistry 41	Room 437
German 19	Room 303
Philosophy 161	Room 339

THURSDAY, JANUARY 25.

9.10 A. M.

English 27	Room 139
History 5	Room 339
Latin 1	Room 213
Mathematics 21	Room 339
Spanish 101	Room 307
Greek 31	Room 213

1.10 P. M.

French 113	Columbia
Italian 109	Columbia

2.10 P. M.

English 45	Room 139
German 15	Room 307
Greek 1	Room 213
History 7	Room 339
History 157	Columbia
Latin 25	Room 213
Sociology 151	Room 302

FRIDAY, JANUARY 26.

9.10 A. M.

Chemistry 63	Room 437
English 7	Room 139
French 5, 107	Room 304
History 11	Room 339
History 169	Room 333
Latin 31	Room 213
Philosophy 101	Columbia
Philosophy 141	Room 332

1.10 P. M.

Education B	Teachers' College
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2.10 P. M.

French A 1, I	Theatre
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SATURDAY, JANUARY 27.

9.10 A. M.

Botany 153	Room 318
English 39	Room 139
German 13	Room 303
Greek 21	Room 302
Mathematics 151	Teachers' College

1.10 P. M.

Education A	Teachers' College
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2.10 P. M.

History A 1 { Section I	Room 339
{ Section II	Room 339

MONDAY, JANUARY 29.

9.10 A. M.

Economics A { Section I	Room 339
{ Section II	Room 339
Germanic Literature 127	Columbia
Mathematics A	Theatre
Education 173	Teachers' College

1.10 P. M.

Education 83	Teachers' College
Education 121	Teachers' College

2.10 P. M.

English 21	Room 139
English 35	Room 213
French 1 B	Room 303
French 3	Room 303
Greek 3, 5	Room 339
History 13	Room 339
Italian 1	Room 303
Latin 5	Room 301
Mathematics 25	Room 304

(Continued on page 2.)

BARNARD BULLETIN.

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MONDAY, JANUARY 23, 1906.

When people are elected to do any work it is not an unreasonable thing for the rest of the community to expect them to do it. Naturally, this is the way the college feels about the BULLETIN: the Board is elected to work, and the only duty that the college has, is to conscientiously read the paper every Monday morning. Well, in the main, this is the right and proper attitude. We expect to do the work, and don't want any one to think we feel incapable of it. But there is one thing we would like our subscribers—graduates and undergraduates alike—to understand. The Board may be able-bodied and able-minded—we trust so, at least—but it is not omniscient. There are doubtless lots of things that happen that escape the editorial eye, and in the nature of things this is unavoidable. Therefore we would ask that our subscribers take a little thought in this matter. If something happens in college which you have good reason to think is not being reported, write it up yourself; or at least call it to the attention of some member of the Board. We are perfectly willing—glad—to have any unofficial contributions, though we reserve to ourselves, of course, the usual editorial privileges.

We would appeal most particularly, however, to the alumnae. The Board has, to be sure, an alumnae member, and one whose work we would be the last to depreciate; but it stands to reason that there are many items of interest that must inevitably escape her notice. Our desire is to have the BULLETIN a very readable paper to all its subscribers, and while the mere fact of so many alumnae subscriptions shows the loyal interest of our graduates, we still feel that news of classmates and college friends will necessarily make the paper more attractive to alumnae. Besides this, we, as undergraduates, find it interesting and oftentimes inspiring, to learn what those who have gone before us are now doing.

Let us have news, then, whether it is the kind that will go into the personal column, or something of wider import. Just send it to us yourself, and don't think someone else has done so. We can almost promise you now that they haven't.

CORRESPONDENCE.

While we are glad to publish letters signed by their writers, unsigned letters will receive no attention.

To the Editor of the Bulletin:

I should like to call the attention of the college to the way books, pens and articles of clothing are disappearing from the study lockers, the Reading Room and even the cloak-room. Of course many of the things are lost owing to the carelessness of the owner or the well-meaning borrower, but recent events lead me to think that we have among us some student or students who intentionally take the property of others.

Last Friday (January 12) I lost a perfectly new pair of rubbers marked S. P. W. They were put out on the counter with my hat and coat and disappeared while I took a drink.

Last week Wednesday (January 10) I believe a senior lost her Latin book with inserted pages filled with notes, in the Reading Room. She was studying another book with the Latin book beside her and it was taken from her side, off the table.

I know of a number of girls who have lost their property lately, but I think these two cases cited are severe enough to make every girl in college think. One resulted in the purchase of another pair of rubbers and the other may cause a student to fail in her examination.

SOPHIE PARSONS WOODMAN.

NOTICE.

We once more call the attention of subscribers to the fact that the mailing price of the BULLETIN and the Bear is \$2.45.

FAIR AT THE BRYN MAWR CLUB.

A Fair will be held at the Bryn Mawr Club, 138 East 40th street, January 22 and 23. Books containing the autographs of prominent authors will be sold. The Fair will be open all day. A list of the authors whose books are included in the sale can be found on the Bulletin Board in Barnard. The prices run from \$2 to \$5, which are very cheap for the signatures of such men as Mark Twain, Frederic Remington, Anthony Hope and Theodore Roosevelt. Barnard College students are especially invited, and will receive a hearty welcome. The Alumnae of Bryn Mawr are raising one million dollars to increase the endowment fund of Bryn Mawr and thus increase the salaries of the faculty.

INDIAN ART WORK.

A large collection of genuine Indian handiwork from many tribes is being sold at 503 W. 124th St., by M. R. Harrington, '07 C. Each article is a special creation by itself; all are beautiful, curious and useful, thus being especially desirable for Christmas gifts, especially as the prices are low. Among the collection are many fine baskets, birch-bark and sweet grass boxes embroidered with porcupine quills, beadwork, quaint decorative pottery, durable Navajo blankets and rugs, and Indian made silver bracelets and spoons. They may be seen any week-day evening, or M. W. F. afternoons after 3.

SILVER BAY PHOTOGRAPH.

A letter from the college photographer who was at Silver Bay last summer gives the information that the negative of the Barnard delegation photograph has been lost, and that no orders can be filled. One copy, however, may be obtained by applying to Agnes Miller, '08.

ALUMNAE NOTICES.

The engagement is announced of Helene Wheeler, ex-'05 to Mr. Charles Tuttle, Columbia, '09.

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(Continued from page 1.)

TUESDAY, JANUARY 30.

9.10 A. M.

Anthropology 101 Room 414
Education 175 Teachers' College
English 29 Room 139
French 101 Room 304
German 107 Columbia
Greek 25 Room 302
Italian 101 Room 304
Mathematics Room 303

1.10 P. M.

Astronomy 101 Columbia
Education 85 Teachers' College
Education 179 Teachers' College

2.10 P. M.

Economy 109 Room 301
English 1 Room 139
English 23 Room 303
Greek 5 (Prose) Room 302
Greek 29 Room 213
Latin 3 Room 330
Latin 23 Room 213
Physics II, 131 Room 239

5 P. M.

Education 31 Teachers' College

WEDNESDAY, JANUARY 31.

9.10 A. M.

German A I I Theatre
German 3, 9 Room 339

1.10 P. M.

Education 171 Teachers' College
Music 11 Columbia
Philosophy 121 Columbia

2.10 P. M.

Economics 105 Room 304
English B 1 Theatre
German 11 Room 303
Zoölogy 1a, 1b Room 339

THURSDAY, FEBRUARY 1.

9.10 A. M.

Botany 53 Room 318
Education 21 Teachers' College
English A 1 Theatre
Geology 101 Room 215
German 7 Room 303
Latin 33 Room 213
Mathematics 27 Room 304
Music 5 Columbia

1.10 P. M. 2.10 P. M.

FRIDAY, FEBRUARY 2.

9.10 A. M.

Education 153 Teachers' College
Education 169 Teachers' College
Mathematics 53 Teachers' College
Philosophy A Theatre
Music 1 Columbia

1.10 P. M. 2.10 P. M.

Botany 51, 55 Theatre

SATURDAY, FEBRUARY 3.

9.10 A. M.

Chemistry 5 Room 330
Zoölogy 101 Room 414

1.10 P. M. 2.10 P. M.

History 127 Room 339

BULLETIN.

Monday, January 22, 1906.
 9:10-10:10—Exchange open.
 11:10-12:10—Exchange open.
 12:30—Exchange open.
 1:10-3:10—Exchange open.
 3:30-5:30—Y. W. C. A. tea. Earl Hall.

Tuesday, January 23, 1906.
 10:10-12:10—Exchange open.
 12:10—Chapel.
 1:10-2:10—Exchange open.
 4:10—Woman's University Orchestra, Room 608, Mines Building.

NEW BOOKS.

Bacon, Francis. *Essays.*
 Bielschowsky, Albert. *Life of Goethe.*
 Francke, Kuno. *Glimpses of modern German culture.*
 Francke, Kuno. *History of German literature.*
 Glover, T. R. *Life and letters in the fourth century.*
 Goethe, J. W. *Autobiography, 2 vols.*
 Marrell, Andrew. *Poems.*
 Marrell, Andrew. *Satires.*
 Robertson, J. G. *History of German literature.*

History.

Andrews, E. B. *History of the U. S. from the earliest discovery of America to the end of 1902. Vol. 2.*
 Bigg, C. *The church's task under the Roman empire.*
 Guizot & Witt. *History of France. 8 vols.*

Miscellaneous.

Browne, H. *Handbook of Homeric study. Classic German dictionary. 2 copies.*
 Goethe, J. W. von. *Hermann and Dorothea.*
 Trollope, F. M. *Domestic manners of the Americans.*

JUNIOR-SOPHOMORE DEBATE.

The debaters from 1907 and 1908 will meet in the Senior Study at 12 o'clock, on Monday, January 29.
 BELLE K. RUSSELL.

LECTURES.

The course of afternoon lectures on the Literature and Antiquities of India and Persia was resumed on Wednesday, January 17, 1906, at 4 o'clock, in Room 305 Schermerhorn.
 These lectures are open to all students of the University and to the public. The subjects and dates of the remaining lectures are as follows:
 Tuesday, January 23—Buddha, His Life and Teachings. Justin Hartley Moore, A.M.
 Tuesday, January 30—King Harsha, the Sanskrit Dramatist. George C. O. Haas, A.M.
 Tuesday, February 6—Transcaspia and Turkestan. A. V. Williams Jackson.

BASKET-BALL.

The basket-ball game, played December 9 between college and Alumnae, resulted in a tie. Josephine Prah! threw both baskets for the undergrads and Elsa Alsberg threw one basket from the field and two on fouls.

COLLEGE.	LINE-UP.	ALUMNAE.
A. Ernst	Center	A. Talbot
M. Maxon	Forwards	E. Alsberg
J. Prah!		A. Baldwin
E. Seguire	Guards	M. Hoffman
F. Mastin		L. Kimball

SENIOR DEBATE.

The Seniors chosen for the debate to be held on the Wednesday following midyear's are as follows:
 Affirmative: Senta Herrmann, Alice Haskell, and Virginia Taylor.
 Negative: Louise Blackburn, Marjorie Brown, and Marie Louise Fontaine.
 The question to be discussed is, Resolved: that the State of New York should legislate concerning the conditions of sweat-shop labor.

EXCHANGES.

In regretting the lack of interest in debating, the *Daily Maroon* of the University of Chicago says: "There are few student activities, which, in the end, bring more permanent benefits to a man or woman. To express one's self well in public is essential. Debating means long preparation and earnest effort, but it pays."

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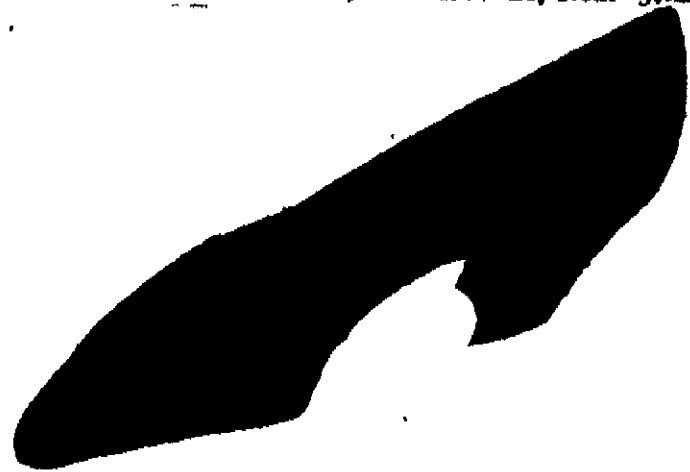
OFFICE HOURS

Dean Gill, Mon., Tu., Thu., 11-12, 2-3; Fri., 11-12.
Ball, Margaret E., Asst., Barnard 136. Tu., Thu., 2-3.
Bargy, Henri, Instr.
Beard, Chas. H., Lect., Barnard 340. Wed., 1:40-2:10.
Botsford, G. W., Adj. Prof., Barnard 340. Fri., 11-11:30.
Braun, Wilhelm A., Tutor, Barnard 113. Tu., Fri., 11.
Brewster, W. T., Adj. Prof., Barnard 138. Tu., Thu., 12-1; Sat., 9-10.
Brooks, Harriet, Tutor, Barnard 232. Wed., 3-4.
Bussey, Wm. H., Tutor, Barnard 309. Mon., Wed., Fri., 11-12.
Carpenter, George R., Prof., Fayerweather 508. Tu., Thu., 1-2; Sat., 12.
Clark, John B., Prof., West Hall 204. Tu., Thu., 3-3:30.
Cole, Frank N., Prof., Barnard 140. Wed., 12-12:30.
Crampton, Henry E., Prof., Barnard 408. Mon., Fri., 2-3.
Dederer, Pauline H., Lect., Barnard 409. Mon., 11:10.
Farrand, Livingston, Prof. Schermerhorn Hall 513. Mon., Wed., 4.
Giddings, Franklin H., Prof. Literary 403. Tu., Fri., 4.
Hazen, Tracy E., Tutor, Barnard 320. Fri., 9.
Heuser, Fred J. W., Tutor, Barnard 113. Mon., Wed., 11:10.
Hirst, Gertrude M., Instr., Barnard 212.
Hoadley, Harwood, Lect., Barnard 112.
Hubbard, Grace A., Lect., Barnard 136. Tu., Thu., 12-12:30.
Huttman, Maude A., Asst., Barnard 340. Tu., Th., 2:30-3.
Johnson, Alvin S., Adj. Prof., West Hall 206. Mon., Wed., 2:30-3:30.
Jordan, Daniel, Instr., West Hall 301. Mon., Wed., Fri., 10.
Kasner, Edward, Instr., Barnard 309. Tu., Thu., Sat., 10.
Keller, Eleanor, Tutor, Barnard 435.
Kellicott, William E., Instr., Barnard 409. Tu., Th., 1-2.
Knapp, Chas., Prof. Barnard 112. Mon., Wed., Fri., 1:10-2.
Krapp, George P., Lect., Fayerweather 509. Mon., Wed., 10-11.
Latham, Marion E., Asst., Barnard 313. Mon., 3-4.
Lawrence, Lillie M., Asst., Barnard 212. Wed., 1-2.
Loisseaux, Louis A., Adj. Prof., West Hall 303. Tu., Thu., 10; Thu., 2:30.
Lord, Herbert A., Prof., Barnard 335. Mon., 10:30-11.
McCrea, Nelson A., Prof., East Hall 309. Mon., Wed., 10-11.
Maltby, Margaret E., Adj. Prof., Barnard 240. Tu., 1-2; Wed., 11-12.
Meylan, George L., Adj. Prof., University Hall. Mon., Fri., 2-4.
Montague, Wm. P., Instr., Barnard 335. Mon., 10-11.
Moore, Henry L., Adj. Prof., Barnard 308. Wed., Fri., 1-1:30.
Muller, Henri F., Tutor, Barnard 111. Mon., Wed., 10-11.
Neilson, Wm. A., Prof., Fayerweather 509. Tu., 10; Thu., 1.
Ogilvie, Ida H., Lect., Barnard 214. Wed., 10-12.
Osgood, Herbert L., Prof., University Hall 320. Tu., Thu., 4:30-5.
Parker, Wm. T., Lect., Barnard 137. Tu., Thu., 2.
Periam, Annina, Tutor, Barnard 336. Mon., Wed., 3:10.
Perry, Edward D., Prof., College 304. Mon., Wed., Fri., 3-4.
Pitkin, Walter B., Lect., Barnard 335. Mon., 11-12.
Ramsdell, Chas. W., Asst., Barnard 340. Tu., 3-4.
Reed, Margaret A., Lect., Barnard 409.
Reimer, Marie, Instr., Barnard 438. Mon., Wed., 1:10-2:10.
Richards, Herbert M., Adj. Prof., Barnard 316. Mon., Fri., 10-11.
Robinson, Jas. H., Prof., University Hall 323. Tu., Thu., 9:30-10.
Seiberth, Philipp, Lect.
Speranza, Carlo L., Prof., West Hall 304. Tu., Thu., 3:10.
Tassin, Algernon de V., Lect., Barnard 137. Mon., Wed., Fri., 1:30-2.
Trent, Wm. P., Prof., Barnard 137. Mon., Wed., 12.
Wheeler, Jas. R., Prof.
Woodward, Benj. D., Prof., Barnard 114.
Ward, Frank E., Organist.
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