### DR. HAM LECTURES ON THEORY OF RELATIVITY

Physics Professor Examines Einstein Hypothesis in Light of Experimental Evidence

Dr. W. R. Ham, of the Physics De-partment gave an interesting lecture on the subject "The Experiments For and Against the Variation of Mass with Velocity", at the last Tucsday

proof for and against the Einstein the-ory which is that the energy of elec-trons approaches infinity as their velo-city approaches the velocity of light. this theory depends largely on ex-ments in electricity and optics for its contribution at Interest and expectably on experiments on the deflection of high velocity electrons by an electric or magnetic field. For some time Dr. Ham and his assistants have been trying to find how to measure directly the nergy of high velocity electrons in-terms of heat units. He illustrated the data that they have gained so far and showed how the experiments are leading to disproving of the Einstein the Dr. Ham remarked that many ory. Dr. Ham remarked that many people have been endeavoring to prove that the velocity of light is variable, and the time is not far distant when this theory may be confirmed.

The next lecture will be given by Dr.

R. H. Dotterer, on "The Response of Philosophy to Einstein". This will be a continuation of Dr. Ham's lecture

#### PENN'A. HAS STUDENT **ENROLLMENT OF 34,491**

sued by the Federal Bureau of Edu-cation, the number of university, college and professional students residing Pennsylvania in 1920-1921 was 34. 491 (not including students attending and the including students are tending normal schools and independent theological schools). This number is exceeded only by New York, which has 49.282 college students.

Of this total number of college stu-Pennsylvania 27,412 attend Pennsylvania colleges, and 7,079 go to universities and colleges outside the

The number of students attending the The number of students attending the universities and colleges of Pennsylvania is 36,262. In this respect also Pennsylvania is only exceeded by New York, whose colleges have 55,130 students in attendance. Of the 36,262 students in Pennsylvania colleges, 8,259 come from outside the state. This is 180 in excess of the number of Pennsylvania Colleges, Pennsylvania Colleges, 8,259 come from outside the state. This is 1.180 in excess of the number of Pennans who go outside of their state

apranians who go outside or their state for their college education.

In the number of students attending college in proportion to its population, Pennsylvania stands twonty-seventh, with one college student to every 253 persons in the state. In this respect the District of Columbia stands first, with one college student to every 96 Persons; and Tennessee last, with one student for every 604 persons.

These compilations were made by Professor A. H. Espenshade.

#### PHOTOS OF FIRST PREXY PRESENTED TO LIBRARY

The Library has received from former President Sparks for the College History Collection, a framed photo-graph of President and Mrs. Pugh, the first President of the college. Dr. Pugh with pioneer energy and effectiveness with pioneer energy and effectiveness, gave himself to forming and founding a new type of education at Penn State. His untimely death after a week's illness in 1864, with the Presidents' House just ready for ocupancy for his bride of two months gives an interest of both pathos and tragedy to the photo gift, taken as it was upon their wedding

At the request of the Library, Pro-Sessor Pattee has written a copy of Alma Mater for the College History Collection. This will be framed and

Dr. Martin has turned over to the Library the letters and papers of William P. Wilson, a lawyer of Bellefonte during the Civil War and following Years. It is expected that they will have some value to students of local



#### UNIT EIGHT WINS CROWN IN BASKETBALL LEAGUE

Defeating Unit Twenty-six by a score of 31 to 10, Unit Eight won the finals and the championship of the Inter-unit basketball league. It is now being sugrested that Unit Eight play the winner gested that Unit Eight play the winner in the interfraternity league for the intramural championship. A challenge for the playing of such a championship game will be sent to the winner of the interfraternity finals, which are being neld on Tuesday evening. The game will take place this week if it can be

with Velocity", at the last Tuesday evening lecture, given under the auspless of the Liberal Arts Lecture Course. During the talk various kinds of experimental apparatus were used to limitrate his points, and impress on the audience the ideas which he wished to convey.

Dr. Ham's lecture was based on the proof for and against the Einstein theory which is that the energy of electrons approaches infinity as their velocity. six barely succeeded in defeating Unit Twelve. Unit Eight has gone through the entire season without a single de

### 1924 LA VIE CONTAINS MANY NEW FEATURES

Section of Penn State Year Book To Be Devoted to Campaign— New Pictures Obtained

A noteworthy feature in the 1924 La Vie will be a collection of new photo-graphs. Not only will they be new but there will also be some changes in designs and also special features.

signs and also special features.

The Campus section will include sixteen new campus pictures with sixteen pencil sketches. The photographs of all heads of the various departments, deans, and athletic coaches will be new. A special feature under the heads of the departments will be a picture of not only the deans but also the heads of the departments. In addition to the usual athletic photographs there will be a silhouette ploture of the captains of the football, busgball, track, wreatling, and baskethall teams. ing, and basketball teams.

ling, and baskethall teams.

A new plan has been selected for Fraternity house pictures. The new type will have a gray border three quarters around and a vingette finish at the bottom which will serve to give the house a clearer outline.

A new section will be seen in the 1924 La Vie which will be devoted to the Campaign for a Greater Penn State. Pictures of the proposed buildings and layout of the campus with a panparamic view of the present campus will be found in this portion of the book.

#### HORT, DEPT, FACES BIG PROBLEM WITH ORCHARDS

The Department of Horticulture 1 The Department of Horitculture is facing a real problem in connection with the development of its orchards. There are at prisent about sixty acres of apples in bearing, including the new student practice orchard, as well as six acres of peaches. The problem that the Horticulture Department must solve is to find a source for the water needed in spraying the orchards. Up to this time the cisterns of the Hiester farm have been supplying the water but they time the disterns of the Hiester farm, have been supplying the water but they cannot possibly take care of the orchards from now on. The authorities are considering a plan to pipe college water to the orchards, a distance of about one and one-half miles. If this is done, it will be possible for the Department of Horticulture to erect a camp on the farm for the purpose of housing the students who stay there for their summer practicum.

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All Reports of Final Conflicts . Must Be Made to Registrar

By way of experiment the examina ion schedule for the end of this semes ter is being published much earlier than usual, in order that both instructors and students may have timely information concerning their examinations, and in order that a careful, rather than nurried adjustment of conflicts may b

All recitations, lectures, and practicum for Seniors and second year two year Agricultural students will closon Saturday, May 26, at noon.

ticum for the second semester wil 3. Final examinations for Senior the times and places indicated below n Monday, May 28 to Saturday, Jun

except Seniors and second year two-year Agricultural students will be held n Thursday, May 31 to Friday, Jun

tions scheduled at the same time is re quired to report the fact in person a quired to report the fact in person at the Registrar's office on a special form there provided. To receive adjustment such conflicts must be reported not ator than Mar. 28, 1923. 6. Cards allowing special examina-tion in case of conflicts as described in the previous paragraph, will be mailed from the Registrar's office sometime in

day, May 21, instructors giving exam-inations indicated below as being by appointment will name the date for their examinations, taking into acc he student's examination schedule to gether with any special examinations arranged on account of conflicts.

8. Seniors taking subjects in which the final examination is scheduled later

han Saturday, June 2, must make at angements for an earlier examination with the Head of the Department con-

cerned.

9. Examinations in graduate subjects are by appointment.

AE 43; 2-8:00, 24 EngF

AgEd 12; 29-8:00, 100 Hort

AgEd 15; 31-10:20, 100 Hort

Agro 2; 6-8:00, 205 Ag

Agro 6; 7-10:20, 100, 200 Hort

Agro 13; 1-10:20, 100 Hort

Agro 13; 1-10:20, 100 Hort

Agro 13; 1-10:20, 100 Hort

Agro 26;2-8:00, 200 Hort

Agro 29; 2-2:00, 206 Ag

Agro. 31 by appointment

Agro 29; 2-2:00, 206 Ag

Agro. 31 by appointment

Agro 20; 29 appointment

Agro 213; 1-10:20, 100 Hort

Agro 213; 1-10:20, 100 Hort

Agro 225: 2-2:00, 206 Ag

AH 4; 5-2:00, 206 Ag

AH 4; 5-2:00, 206 Ag

AH 6; 31-3:800, 100 Hort

AH 9; 31-8:00, 100 Hort

AH 9; 31-8:00, 100 Hort

AH 22; 4-8:00, 266 Ag

AH 26; 31-2:00, 106 Hort

AH 203; 8-8:00, 103 Ag

AH 26; 31-2:00, 106 Hort

AH 203; 8-8:00, 103 Ag

AH 205; 20-10:20, 106 Hort

AH 21; 4-2:00, 206 Ag

AH 212; 4-2:00, 206 Ag

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2. All recitations, lectures, and prac

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7. During the week beginning Mon

### Bot 6; 1-10:20, 9 CA Bot 8 by appointment Bot 8 by appointment Bot 22; 2—10;20, 100, 105, 200 Hort Bot 210; 6—8:00, 200, 202 Hort Chem 128; 6—2:00, 100 Hort Chem 133; 6—2:00 Amp Chem143; 6—2:00, Room to be an

Before March 28

Chem143; 6—2:00, Room to be ansounced.

Chem 237; 31—10:20, Amp
Chem 266; 31—10:20 Amp
Chem 265; 31—10:20 Amp
Chem 325; 31—10:20 Amp
Chem 325; 31—10:20 Amp
Chem 335; 7—3:00, 103 Ag
Chem 337; 7—3:00, 103 Ag
Chem 339; 6—8:00 Amp
Chem 339; 31—8:00, 9 CA
Chem 446; 29—2:00, Amp
ChemAg 27: 4—8:00, 103 Ag
ChemAg 37:1—10:20, 100 Hort
ChemAg 299; 4—5:00, 202 Hort
Com 17; 2—10:20 CC
Com 17; 1—8:00 CC
Com 17; 1—8:00 CC
Com 2; 7—8:00, 28 LA
Com 20; 1—8:00, 28 LA
Com 30; 31—2:00 Amp Com 30; 31-2:00 Amp Com 41; 5-8:00 OC Com 41; 5—8:00 OC
Com 43 by appointment
Com 60; 4—8:00, 100, 105 Hort
Com 90; 29—2:00, 25 LA
DH 418—8:00, 251 Dairy
DH 8 by appointment
DH 11; 6—8:00, 251 Dairy
DH 12; 7—8:00, 251, 259 Dairy
DH 18; 29—8:00, 100 Hort
DH 20; 11—8:00, 251 Dairy
DH 210; 31—8:00, 261 Dairy
DH 210; 31—8:00, 261 Dairy
DH 213; 28—2:00, 259 Dairy
DmArt 27:1—8:00, 306 Main
DomArt 40:8—10:20, 314 Main

DomArt 40;8—10:20, 314 Main DomSci 7; 5—8:00, 314 Main DomSci 42; 2—8:00, 311, 314 Main DomSci 46; 7—8:00, 314 Main DomSci 47 by appointment DomSci 48; 31,—8:00, 306 Main DomSci 54 by appointment DomSci 55; 1—8:00, 4McAH DomSci 57 by appointment Dr 58; 1—2:00, Rooms to be announced

EchE 1, 3, by appointment ' EchE 4; 8—8:00, 200 EngD Econ 2; 31—10:20, 100 Hort, 200 Eng

Econ 14; 4—8:00 Amp
Econ 22; 6—8:00, 100 Hort
Econ 23; 2—2:00, 25 LA
Ed 1; 31—10:20, 19 LA
Ed 2; 1—10:20, OC
Ed 6; 2—10:20, 19 LA
Ed 13; 31—2:00, 8 LA
Ed 14 by appointment
Ed 22; 1—8:00, 206 Ag
Ed 25; 1—8:00, 25 LA
Ed 14; 1-8:00, 25 LA
Ed 14; 1-8:00, 25 LA
Ed 25; 1—8:00, 203, 5, 7 EngA
EE 6; 31—8:00, 203, 5, 7, EngA, 200
EngE

ngE ED 7; 29, 2:00, 206 EngE EED; 31-8:00 Amp EE 10; 2-2:00, 206 EngE EE 11; 1-2:00, 200 EngE EE 13; 31-0:20, 200, 206 EngE EE 13; 31-0:20, 200, 206 EngE Engl 5: 4-2:00 Rooms to be an

ounced. Engl 13, 15, 17, 200, 250, 322, 452, sec ophomore English

Engl 20; 2—2:00, 315 Main
Engl 205; 2—10:20, 311, 314, Main
Engl 307, 352 by appointment
Engl 407; 2—2:00, 314 Main
Engl 407; 2—2:00, 314 Main
Engl 468; 2—2:00, 100 Hort
Engl 466, 478 by appointment
EngLaw 3; 29—8:00, CC, 200 EngD,
201 EngC, 206 EngE
FM 2; 2—10:20, 103, 206 Ag
FM 2; 2—10:20, 103, 206 Ag
FM 20; 2—8:00, 105 Hort
For 28; 5—10:20, For
For 35; 4—8:00, For
For 37; 7—8:00, For
For 49; 5—8:00, For
For 49; 5—8:00, For
For 74; 6—10:20, For
For 72; 31—2:00, For
For 72; 50—2:00, For
For 50; 220 by appointment
Fr 12; 5—2:00 Rooms to be announced

Fr 14: 5-2:00 Rooms to be an

Fr 24; 5—10:20, OC
Fr 26; 5—10:20, 4 McAH
Fr 38 by appointment
Fr 241; 5—10:20, 304 Main
Fr 481 by appointment
Geol 31: 2—2:00 Fr 481 by appointment Geol 31; 2—2:00, 104 MngA Geol 52; 1—2:00, 101 MngA Geol 58, 67 by appointment Geol 71; 31—2:00, 104 MngA Geol 58, 67 by appointment Geol 71; 31—2:00, 104 MngA Geol 81, 82 by appointment Ger 2: 5—2:00, 25, 28 LA Ger 4; 5—10:20, 26, 28 LA Ger 4; 5—10:20, 206 Ag Ger 57, 60, 65 by appointment Greek by appointment Hist 4; 7—10:20, 14, 25 LA Hist 9: 1—2:00, 20 LA Hist 9: 29—2:00, 28 LA Hist 10: 29—2:00, 28 LA Hist 12: 2—8:00, 14, 28 LA Hist 21: 2—8:00, 140 Hort, OC Hist 26; 31—8:00, 25 LA HomEco 27; 1—8:00, 304 Main Hort 1; 5—10:20, 200 Hort Hort 3; 31—10:20, 200 Hort Hort 13: 29—8:00, 106 Hort Hort 12: 29—8:00, 106 Hort Hort 12: 31—8:00, 202 Hort Hort 12: 29—8:00, 100 Hort Hort 24, 28, 30 by appointment Hort 24, 28, 30 by appointment Hort 38 by appointment Hort 32; 7—8:00, 100 Hort
Hort 38 by appointment
Hort 40; 5—8:00, 106 Hort
Hort 203; 5—8:00, 105 Hort
Hort 207 by appointment
Hort 218; 29—2:00, 104 Hort
Hort 232 by appointment
Hort 240; 31—2:00, 104 Hort
Hteng 4; 1—8:00, 201, 7, 8 EngC
Hteng 6; 6—10:20, 201 EngC, 200 F

HtEng 6: 6—10:20, 201 EngC, 200 Eng D

HtEng 11; 5—8:00, 201, 7 EngC

HtEng 13, 15 by appointment

HtEng 17; 1—8:00, 200 EngD

HtEng 36; 1—2:00, 200 EngD

HtEng 36; 1—2:00, 200 EngD

HtEng 51, 60 by appointment

Hwy 1; 6—8:00, 200 EngD

Hyd 1; 2—10:20, 201, 8, 6, 7 EngA,

201, 7 EngC

Hyd 2; 5—8:00, 201, 3 EngA

Hyd 12; 2—3:00, 201, 3, 5, 7 EngA

IndArt 74; 1—2:00, 9 CA, Amp

IE 102; 8—10:20, 200, EngD

IE 202; 31—10:20, 207, 8 EngC

IE 304; 6—8:00, 209 EngC

IE 306; 6—8:00, 209 EngC

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IE 308: 31—8:00, 200 EngD

TE 404: 31—2:00, 200 EngD

1E 406: 1—2:00, 201, 7 EngC

1E 412: 31—2:00, 200 EngD

IE 416: 29—2:00, 200 EngE

Italian by appointment

LArch—All reports due June 4th.

Room 203 Hort

Latin by appointment

Math 2; 7—2:00, 315 Main

Math 5; 8—2:00, 12, 13 LA

Math 6; 31—2:00 Rooms to be an
nounced

Math 7; 7-2:00 Rooms to be Math 9—by appointment
Math 10; 8—10:20, 12, 13 LA
Math 11; 6—10:20, Rooms to be

nounced

Math 26, by appointment

Math 30; 7—10:20, 8, 12, 13 LA

Mchs 1; 1—10:20, 300 EngA, 300

EngC, 200 EngD Mchs 3; 7—8:00, 300 EngA. 300 Eng

IDes 31; 31—10:20, 201, 9 EngC MDes 31; 31—10:20, 201, 9 EngC MDes 56; 31—2:00, 201, 7 EngC MDes 54; 7—10:20, 200 EngD MDes 56; 6—8:00, 201, 7 EngC MDes 60 by appointment Mot 57; 5—2:00, 101 MngA Met 61; 6—8:00, 104 MngA Mot 63; 1—2:00, 104, 200 MngA Mot 74; 1—10:20, 101 MngA Mot 75; 1—2:00, 201 MngB Met 77; 31—2:00, 201 MngB Met 77; 31—2:00, 201 MngB Met 75; 1-2:00, 201 MngB
Met 77; 31-2:00, 101 MngB
Met 77; 32-2:00, 101 MngA
Met 79; 28-2:00, 104 MngA
Min 11; 5-2:00, 104 MngA
Min 32; 5-8:00, 200 MngA
Min 53, 64, 83, by appointment
Mng 53, 55, by appointment
Mng 55; 5-8:00, 104 MngA
Mng 76-by appointment
Mng 81; 1-0:02, 104 MngA
Mng 84; 29-10:20, 200 MngA
Music by appointment
Phil 1; 2-10:20, 25 LA
Phil 3; 4-8:00, 14 LA
Phil 10, 18-by appointment
Phil 20; 1-10:20, Amp
Phys 261; 2-10:20, Amp

Phil 20; 1—10:20, Amp
Phys 261; 2—10:20, Amp
Phys 267; 2—10:20, 28, 40 Amp
Phys 269, by appointment
Phys 281; 1—10:20, 28 Phys, 4 McAH
Phys 313, 355, 451, by appointment
PolSci 2; 7—10:20, Amp
PolSci 13; For all Seniors, 28—2:00,
Amp, 200 EngD PolSci 13; For all Juniors, 8-10:20

LA PolSci 16, by appointment

PH 1, by appointment
PH 2: 1—10:20, 105 Hort
PH 3: 2—10:20, 202 Hort
PH 3: 2—10:20, 202 Hort
PH 4: 31-10:20, 206 Ag
PH 7: 1—5:00, 104 Hort
PH 9: 31-10:20, 206 Ag
PH 10: 29—8:00, 100 Hort
PH 202: 1—2:00, 200 Hort
PH 202: 1—2:00, 200 Hort
PH 202: 1—2:00, 206 Hort
PH 204: 29—8:00, 100 Hort
PH 205: 31—8:00, 206 Ag
Psy 2: 2—2:00, Amp
Psy 7: 11—by appointment
Psy 13: 2—10:20, 25 LA
Psy 14: 2—5:00, 315, 321 Main
Psy 21: 31—2:00, 11 CA
RME 3: 10, by appointment
ROTC 6: 2—10:20, 200 MngA
RR 3: 31—8:00, 201 EngA
RR 3: 31—8:00, 201 EngA
RurSec 1: 1—8:00, 106 Hort
RurSec 20: 1-1-8:00, 105 Hort
RurSec 20: 11—8-500, 105 Hort
RurSec 20: 11—8-50, 105 Hort RurSoc 201; 1-S:00, 105 Hort SophEngl; 28-10:20, Rooms

nnounced Soc 5; 5—8:00, 14 LA Sp 12; 5—2:00, Rooms to Sp 14; 5—2:00, 4 McAH Sp 24; 5—10:20, 121, 302, 314, 315

Sp 24; 5—10:20, 121, 302, 3Main
Sp 26, 38—by appointment
Sp 241; 5—10:20, 11, 12 CA
Sp 481, by appointment
Str 30; 8—8:00, 201, 3 EngA
Str 32; 4—5:00, 201 EngA
Str 42, by appointment
Sur 17; 1—10:20, 201 EngC
Zool 151; 1—2:00, 4 McAH
Zool 203; 6—10:20, 4 McAH
Zool 203; 6—10:20, 4 McAH
Zool 363; 6—8:00, 4 McAH
Zool 363; 6—8:00, 4 McAH
Zool 363; 6—8:00, 4 McAH
Zool 375; 4—8:00, 40 Phys

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