

OFFICIAL BULLETINS OF GENERAL INTEREST

Various Phases of Modern Atomic Theory Prof. P. Scherrer
Wednesday, December 10, 4 P.M., Room 10-275

Professor P. Scherrer, of the Technische Hochschule, Zurich, Switzerland, will give an experimental lecture on various phases of modern atomic theory.

Open to students and members of the instructing staff.

Faculty Club Luncheon Meeting Dr. Miller McClintock
Thursday, December 11, 12 M., Walker Memorial
Faculty Dining Room

Dr. McClintock, Director of the Albert Russell Erskine Bureau for Street Traffic Research at Harvard University, will speak on "Traffic Control."

Precise Measurement of Air Flow Dr. Sanford A. Moss
Thursday, December 11, 4 P.M., Room 5-134

Dr. Sanford A. Moss of the Thomson Research Laboratory, General Electric Company, Lynn, will give a series of lectures on "Precise Measurement of Air Flow" under the auspices of the Aeronautical Engineering Department. The subject of the second lecture will be "Static and Total Pressure, Pipes and Instruments for Pressure Measurement."

Open to students and members of the instructing staff.

Physics Colloquium Prof. P. Scherrer
Thursday, December 11, 4 P.M., Room 4-231

Professor Scherrer will present a paper on "Atomic Structure Factors." Open to graduate students and members of the instructing staff.

Popular Science Lecture Prof. W. Spencer Hutchinson, S.B.
Sunday, December 14, 4 P.M., Room 10-250

Professor Hutchinson, Professor of Mining, will be the speaker at the Popular Science Lecture which is under the auspices of the Society of Arts. The subject of his lecture will be "Grand Adventure With the Mining Engineer."

The Geometry of Linear Displacements Prof. J. A. Schouten
Tuesday, December 16, 3:30 P.M., Room 4-270

Professor J. A. Schouten of the Technische Hoogeschool, Delft, Holland, visiting professor on the Rockefeller Foundation, will give a lecture on "The Geometry of Linear Displacements."

Open to students and members of the instructing staff.

CALENDAR

Wednesday, December 10

- 5:00-6:00 P.M. Banjo Club rehearsal, East Lounge, Walker.
- 7:00-9:00 P.M.—Instrumental Club rehearsal, East Lounge, Walker.
- 7:30-10:30 P.M. Tech Show Rehearsal, West Lounge, Walker.
- 7:30-10:00 P.M.—Catholic Club Smoker meeting, North Hall, Walker.
- 6:30-10:30 P.M.—Tech Boat Club dinner, Grill Room, Walker.
- 8:00 P.M.—Illustrated Lecture on Bethlehem Steel Co. course for graduates, Room 5-330.

Thursday, December 11

- 5:00-6:00 P.M.—Tech Show tryouts, East Lounge, Walker.
- 5:30-6:30 P.M.—Tech Hockey team dinner meeting, Faculty Dining Room, Walker.
- 6:30 P.M.—Mass. Safety Council Dinner meeting, North Hall, Walker.
- 4:00-6:00 P.M.—Techtonians rehearsal, North Hall, Walker.
- 6:30-10:00 P.M.—Civil Engineering Society dinner meeting, Grill Room, Walker.

Friday, December 12

- 5:00-6:00 P.M.—Banjo Club rehearsal, East Lounge, Walker.
- 8:30 P.M.—2:00 A.M.—M. I. T. Musical Clubs Concert and Dance, Main Hall, Walker.

UNDERGRADUATE

Infirmiry List

- Edward L. Bateman, Jr., '33.
- George J. Brady, '33.
- Emerson Horne, '33.
- Lowell J. W. Lammers, '35.
- Arthur G. Russell, '32.
- Abner Stodder, Emp.
- Wilfred deA. Pfucker, '34.

WALKER MEMORIAL COMMITTEE

Frank S. Coyle has been elected to fill the Sophomore vacancy on the Walker Memorial Committee.

PLAN CONTINUATION OF TICKET SERVICE

Plans for the continuation of the railroad ticket service, which was inaugurated last year, are being made by the T. C. A. through the Ticket Service department, which is in charge of John Streng '33.

It is hoped to have representatives of the railroads radiating Boston, in the T. C. A. office for an hour and a half daily, beginning next Monday and continuing until the 23rd of this month. Men will be able to procure railroad tickets, pullman reservations, and steamboat tickets through these agents.

STEEL COMPANY MAN OUTLINES TRAINING

Mr. Grover C. Brown, manager of the training school of the Bethlehem Steel Company will conduct an illustrated lecture, pertaining to the course given by the company, tonight at eight o'clock in Room 5-330. The lecture will be given under the auspices of the Combined Professional Societies for the Graduates who are planning to take the training course of the company. Mr. Brown has been a frequent visitor to the Institute in the past in order to hold interviews with Seniors as possible candidates for positions with the company which he represents.

Wrestling Coach Was A Member of A Champion Team

Was On Varsity Squad of Famous Western College Team of Champions

Jay Ricks, coach of wrestling at Technology, was a member of the Oklahoma State College varsity wrestling team, which has lost only two meets since 1917. In the two years that he partook of high school wrestling he won the state championship of the Oklahoma high schools. He also won the Southwestern district Olympic championship, which included wrestlers of 14 states.

The coach entered the Oklahoma State College in 1925 to study architecture, and after graduating last year, he began as a coach of wrestling at the Institute. In addition, he is enrolled as a special student in the architectural school here.

Starting his wrestling in high school he continued it through all four years of college, where he worked in the 145 and 150 pound classes. Once he attempted to train himself down to the 135 pound class, but he says that it was not worth the mental and physical fatigue.

Also in Other Activities

Besides his favorite major sport, Ricks undertook interclass football and made the all-school team, which was made up of the players of six schools of the college. A member of the student council for two years, he was elected president in the first semester of the Senior year. He was also on the staff of the "Registry," the year book of the college.

The college from which he graduated is especially famous for its wrestling teams. In 1928 four of its students were on the Olympic team; this is more than any other school. Many outstanding professionals are its alumni. Among the leading agricultural institutions of the country, it has about 3500 students.

He does not expect to enter into any sort of professional bouts, since that field requires heavyweights nowadays, and he is lacking the necessary weight. In his opinion no sport is better than wrestling for development of physique.

WITH THE AMERICAN COLLEGE EDITORS

The Moocher

You know the type. You see them and talk with them every day. Some not just as ordinary as usual, while others are all sugar and sweetness as they await their chance to beg for lecture notes, reading notes, or already-written experiments.

The moocher is an artist in concocting excuses for failure of preparation. As a rule, he has had so much more work to do than anyone else that it really is not his fault that he must mooch his notes or experiments. He just has not had time to get them all.

You have seen the student who has been given at least two weeks for a certain amount of outside reading, yet the night before an examination he had not been inside of the library. In panic he runs to his more conscientious fraternity brother and pleads with tears in his eyes for a chance to see the other's notes. To climax the incident, the moocher goes to class the next day with Lady Luck, takes the quiz, and makes a better score than his aide.—The Daily Tar Heel.

Recent investigations at Washington University show that more money was spent by college men for candy than for any other luxury.

Ohio has signed to play Penn in 1932 and 1933, the series taking the place of the games with Navy this year and next.

Government Tests Fire Resistance Of Welded Floors

New Type of Floor Covering Subject To Tests Under Many Conditions

Research has been undertaken by the United States Bureau of Standards in cooperation with the American Institute of Steel Construction to determine the fire resistance of a new type of welded steel floor construction. The structural elements of this type of floor consist of rolled steel beams, generally three, four or five inches in depth, spanning between girders, the upper flanges of the beams being welded to steel plates one-fourth inch thick. The beams are spaced two feet apart, the steel plate serving the purpose of the usual floor slab.

Fire exposure will be applied to the floors from below in most tests, says a statement by the bureau, but in six tests fire exposure from above will be applied by burning combustible materials, such as wood and paper, in amounts from ten to forty pounds per square foot of floor area. Various degrees of protection will be given the upper surface of the steel plate floor for these tests, from the bare plate to protection of two-inch thickness of light-weight concrete.

The fire exposure from below will be obtained with a gas furnace using forty-eight horizontal venturi-tube induction burners. The protection applied to the beams will vary for the different tests from a three-fourth inch thickness of plaster on metal lath to two-inch gypsum slabs hung from the lower beam flanges to form a suspended ceiling. Three tests in which a hose stream will be applied to the heated floor after a period of fire exposure will also be included.

The floors will be supported during the tests within a heavy steel restraining frame, and superimposed loads of forty-five to 160 pounds per square foot will be maintained constantly during the fire tests. For some tests the floor connections with the restraining frame will be designed to give full restraint to the construction during test, and for others the ends of the beams and plates will be freely supported with opportunity for expansion. The test floors will be eighteen feet long and fourteen and a half feet wide. The beams will span the full eighteen-foot length of the floor except in five tests where the beams will be supported on a girder at an intermediate point to introduce the details of fireproofing required for the girder.

INSTITUTE PUGILISTS WORK INTENSIVELY

March 21 — Intercollegiate Boxing Meets.

The tentative freshman schedule includes meets with Yale and Harvard. Possible matches with Tufts and B. U. are being negotiated at present and will be announced at a later date if they materialize.

The favorite sport at Cambridge and Oxford is cricket. Football, baseball, and other American major sports are not to be seen there. Both universities have neither stadiums nor gymnasiums.

The first college class in radio announcing is now offered at the State University of Iowa. The classes are held in the university's own station, WSUI.

FACULTY WILL HEAR TRAFFIC AUTHORITY

Dr. McClintock to Speak on Motor Problems of Today

Dr. Miller McClintock, Director of the Albert Russell Erskine Bureau for Street Traffic Research at Harvard University, will speak on the subject of "Traffic Control" at the regular meeting of the Faculty Club will be held tomorrow noon in the Walker Memorial Faculty Dining Room. The speaker has been directing his attention to the solution of such motor traffic problems as congestion, parking difficulties, atmospheric pollution, and accidents. The talk will include his theory of the application of scientific methods to the solution of these motor problems.

C. E. S. WILL HEAR ARTHUR G. HAYDEN

Arthur G. Hayden '01, designing engineer of the Westchester County Park Commission, will address the M. I. T. student branch of the American Society of Civil Engineers at its dinner meeting tomorrow evening at 6:30 o'clock in the Walker Memorial Grill Room. His talk on the subject "The Parkways of Westchester County and the Work of the Park Commission" will be illustrated by lantern slides. All members are requested to come prepared with any questions they may wish to ask, as a general discussion will follow Mr. Hayden's address.

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COLBOURNE LECTURES TOMORROW ON SHAW

Is Personal Friend of The Noted Playwright

Maurice Colbourne, an Englishman who has come to the United States to speak for the Theater Guild, will lecture on the subject "Shaw as a Personality" tomorrow at one o'clock in room 2-190. He speaks in advance of the Theatre Guild season during which Shaw's play "The Apple Cart" will be presented at the Tremont Theatre.

Mr. Colbourne is well qualified to speak on this subject for he is a personal friend of Shaw and has played in many of his plays. All who are interested are invited to attend.

Alois Lang, Christus of the 1930 Passion Play, received only \$955 as his share of the proceeds of the play.

Seventeen Eastern colleges took part last spring in a poetry reading contest, the latest of intercollegiate "sports."

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