is printed above is but one of the list of six musicians whose talent appears

on the "Y" Course program for the vinter. Mr. Althouse is a soloist of the popularity and has made an envi

enteenth to give one of his popular con

ad gone through on account of this

It was then that he put his life's worf

People are warned of danger by a vision or by a power of their conscience But many are speeding through life so

fast that they take no notice of them

What they have overlooked comes to their view in old age and then they see the tragedy that they have brought or

the tragedy that they have brought up

LEADING ARE CALLED OUT

Members of the sophomore class who

re interested in the art of cheer leading

ect that all candidates for this line of

activity are requested to report at Old

Chapel tonight at seven o'clock. Can-

didates for song leaders are included in

HAVE YOU SUBSCRIBED YET?

CANDIDATES FOR CHEER

nto the teaching of the gospel.

points.

-The elements of the n

IN AG SCHOOL FACULTY

Euclidean plane geometry and trig-

Derr.-A method of petrographic analy-

Gillan,-Ammonium phospho-molybdate

Two new men have been appointed positions on the faculty of the Agriditural school.

Mr. Philip Jones, from the University of Virginia, will take the place of Professor Kuntz, as instructor in bothers.

The other new man is E. Marvin

Palmer of the class of '22 we has been appointed graduate assistant and is teaching students in the Two\_year Agriculture Course.

We handle the

Best Grade of Meats

obtainable

Correns,-Die neuen vererbungen

NEW APPOINTMENTS MADE

Godfrey,-Modern geometry.

#### ROUND OF TEAS HELPS RAISE BUILDING FUND

Co-eds Assist in Student Drive by Starting Orgy of Tea Drinking on Campus

With the opening of the student shor in the \$2,000,000 campaign the co.eds started a perfect orgy of tea drinking on the campus.

It was started at the Women's Student Government meeting last Thursday when preparations were being complet ed for the opening of the student drive among the women of the college. One co.ed conceived the brilliant idea of inviting ten of her particular friends to tea, and then charging them ten cents cup-Just to help raise that \$2,000, 000, you know!" Then she will admon. ish the ten to go forth and do likewise and all week the Penn State campus will be a whirling round of teas, at ten cents per. Each merry round of tea will net the building fund one dollar. That sounds small, but just consider three hundred and sixteen teas.

Nor are the teas the only means the co.eds have devised for raising their share in the expansion campaign, which mes general throughout the state on October second. They are selling hair nets, much in vogue again since the passing of the shorn locks and the return of the close coiff; candy and fruit for the athletes; sandwiches for the ever-starving stronger sex; hand painted cards and stationery; honey,

The finance committees at the head of the co.ed drive have been chosen from the three women's organizations at the college, the Y. W. C. A., the W. A. A., and the Student Government Associa tion, all of whom are making the most of every opportunity to raise their fund, which in all probability will go toward the erection of a woman's activities

#### M. E. DEPARTMENT GETS TWO NEW INSTRUCTORS

Mr. Charles L. Allen, a graduate in nical Engineering, Sibley College, Cornell University, is now Instructor in Mechanical Engineering at Penn State. Mr. Allen has had eight years experi-ence in engineering and four years in teaching. His technical experience inmechanical engineering work with the Wayne Electric Mfg. Company the Western Electric Company, the U. S. Shipping Board and the Traffic Motor considerable work in developing inven.

B. K. Paget, Penn State '22, has also been appointed as instructor in the Mechanical Engineering Department He has had considerable practical experlence in automobiles, electric furnaces and in marine work. During his sen. or year, Mr. Paget was President of the Student Branch, A. S. M. E. and under his direction every senior Mechanica became a member and the organizatio

#### WHO'S WHO IN PENN STATE STU-

DENT GOVERNMENT-1922-23 cause of an error in the first list of Who's Who in Penn State Student Government, the entire list is reprinted

Musser; Sec., W. C. Roxby; Treas., H. A. Gaul.

1924 -- Pres., M. H. Palm: V. Pres., J. C. Frank; Sec., E. E. Helm; Treas., P. J. Morgan. 1925—Pres., E. P. Kerr; V. Pres., Andy

Shaner; Sec., R. J. Dunn; Treas. P. H. Bowden.

#### Student Council

President, G. B. Lane; Vice President A. J. Musser; Secretary, J. F. Noble. Class of 1923—B. D. Evans, H. E. Park, C. S. Gregory, G. Rose, R. A. Nagley, T. H. Brown, L. R. Male, R. S. Tanne-hill, W. R. Auman, C. Hare, L. L. Balley, H. T. Axford, C. W. Nies, H. L. ler, W. H. Payne, I. S. Adams E. D. Schive, W. C. Lehew, H. A. Say

Class of 1924-M. H. Palm, Harry Wilson, G. W. Lehr, E. R. Shultz, G. T. Gunsallus, J. B. Park, W. B. Oliver Gunsalus, J. B. Park, W. B. Oliver, J. A. Decker, W. F. Harrison, J. A. Patton, R. E. Longacre, T. C. Henry. Class of 1925—L. W. Vollmer, C. H. Gough, H. T. James, James Gray, E.

FOR SALE Ford Touring Car. Very Cheap. J. S. CALL, Sigma Chi Hous

**FYES'** 

FOR Groceries Notions Dry Goods

#### MUCH INTEREST SHOWN IN CORRESPONDENCE COURSES

Great interest in the Correspondence urses continued throughout the sum ner, especially in the courses in be eeping and poultry husbandry. are thirty-eight subjects now taught in these courses which are free to the cit-izens of Pennsylvania. "Make your farm your laboratory" is the slogan which the more than thirty--two hundred men and women students have been taking instruction d have been taking instruction during the year have been doing. "Make your home your laboratory" is the slogan of eight hundred men and women who have been studying home economics. During the Summer Session Profes-sor White gave a course in Vision Intruction and Projection Apparatus fo the teachers. This was the first time that such a course had been taught here and every student passed the state ex imination as moving picture machine perators.

Professor Mairs also gave a course in Scoutcraft to prepare students Scout Leaders. Practically the whole class met the requirements for second class Scout Leaders. This course is something new and novel for an insti-tution of this kind to offer.

#### CHANGE IN OFFICE HOURS OF COLLEGE INFIRMARY

In order to take care of the increas, who cut classes to go to the Infirmary ing to avail themselves of the privilegs offered by thhe College Infirmary Dr. Ritenour has issued a statemen that the Infirmary will be open during all the regular college class hours that is from 8: 20 to 12: 10 A. M., and 1: 30 to 5: 20 P. M. Sunday from 9 to 10 A. M. On Saturday afternoon only cases of extreme necessity as

only cases of extreme necessity are given any attention.

No excuses are given to students who cut classes to go o this Infirmary for inline causes only. They are is, sued only after Dr. Ritenour has ascer. tained whether it was absolutely ne ssary for the student to have im.

mediate attention.

That the Infirmary is becoming more and more appreciated by the college students is shown by the fact that up to the present time, since the start to the present time, since the start of the college year, there has been in the neighborhood of two hundred and twolve visits as compared with one hundred twenty-five visits during the same period last year. At the present time, there are four students confined to beds in the infirmary and the doctor is kept constantly busy with various minor aliments. The physical examination of the entire Freshman class has been started but will take several weeks to complete.

#### ENGINEERING EXTENSION DEPT. OPENS NEW SCHOOL

The Department of Extension Work of the School of Engineering has al-eady enrolled three hundred employees of the Cambria Steeel Company at Johnstown for the extension course in business methods, shop mathematics, tuted in that city. The course will be in the nature of a series of lectures on these subjects which will be given mbers of the faculty of the School of listrict of the steel company's plant.

BOTANY GREEN HOUSE

DISPLAYS PRETTY BLOSSOM
A plant is now in bloom at the Bot. any green house that is very pretty and will be very Interesting to lovers of flowers; the Exotic Climbing Plant. It is known as the Bougainvillea and is a sub-tropical plant. Its showy pink climbing plant for a conservatory.

FOR SALE-Ford Coupe at a bargain.

In good condition. New cord tires. rous accessories. Investigate 626 W. College Avenue.

#### +++++++++++++++++ FEATURES ON "Y" COURSE



PAUL ALTROUSE, TENOR

## Y. M. C. A. SELLS MANY TICKETS FOR COURSE

This Year's Course Offers Fine Opportunity To Hear Best Music in Country

With two weeks of their campaign for season tlekets for the combined Musical and Entertainment Course of the Y. M. C. A. and the Department of Music already gone, the canvassers have succeeded in disposing of nearly all the available seats in the Auditor um. The general sentiment of the stu-dent body seems to favor this year's program and nearly everyone is highly appreciative of its high musical value

In spite of the large number of tick-ts which have already been sold for the ourse, there are still many good seats available at prices as low as three dollars. Because of the musical nature of the program for the 1922-23 Course, practically all of the seats in the Auditorium may be considered good.

The Y. M. C. A. and Department of Music are to be commended for their zeal in bringing such a high grade of entertainment to Penn State this wir. ter and at the same time for pricing the seats within the range of the pocket, book of every student. In doing this, the "Y" has given every student an opportunity to apreciate the hest-mus of the country, and it is really idealism on the part of the "Y" to make it avail. able at such a low price.

Paul Althouse, tenor, whose pictur

When you

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### DEAN SACKETT OPENS PHILADELPHIA OFFICE

wide popularity and nas made an em-able reputation for himself in the mu rical circles of the country. He will able reputation for named in the him sical circles of the country. He wil appear at Penn State on March sev Dean of Engineering School Taker · Up Work in Philadelphia for \$2,000,000 Campaign

During the past summer, Penn State DR. BAGNELL DELIVERS ppened an office in Philadelphia, under the direction of Dean Sackett, to care SUNDAY CHAPEL SERMON for the interests of the College in that Doctor Robert Bagnell of Harrisburg for the interests of the College in that section of the state particularly in con-nection with the Building Fund Cam-paign. Through the coutesy of the Ag-ricultural Extension Division a very convenient location was found at 247 the sermons at both chape Sunday. The sermons were ased on the third chapter of Exodu second verse, and contained three mai South Juniper Street, where the Agri-cultural and Engineering Extension representatives may be reached. The problem of God is the setting u of a new nation and this will be work

wide. Conditions today are such that governments cannot remain independ-ent of the problems of others. The The office regularly provided head quarters for the local work of the Home Monroe doctrine is not as important to sented in Philadelphia by Miss Mary Rogers. It also the past which shows Spalding and Miss Mary Rogers. It America as in the past which shows Spalding and Miss Mary Rogers. In that even she is becoming involved in addition to Campaign matters, Dean the problems of the world. This task is Sackett is also caring for the Engineering extremion activities, so that with the combined activities of Home Economical Extension Engineering Extension. nomics Extension, Engineering Exten task unless he does come face to face with God. This is shown all through Biblical history. Dr. Bagnell cited an experience of his own in which a good sion, and Building Fund Camjaign, the office is a hive of industry.

Dean Sackett spent practically th friend of his youth died, thinking until the last of the way in which he had made fun of his religion. Later, Dr. Bagnell had a vision of what his friend entire summer in Philadelphia, while at various times Professor N. C. Mule head of the Engineering Extension De-partment, and C. G. Gaum, general supervisor of Engineering Extension, as sisted in looking after the College in terests. More recently, Robert Spahr formerly of the Massachusetts Exten don Department, has been added to the orce. There are now eight represen latives of the Penn State doing exten sion service and aiding in the cam paign in Philadelphia

PATRONIZE OUR ADVERTISERS

## New Books on the

Hahn,—Theorie der reelen funktionen. ardy,—Some famous problems of the theory of numbers.

Hatton,-The theory of the

of Nicomachus of Geras McAdam,—The atomic weight of vanad

Organic syntheses

Shoemaker,—A generalized equation of the vibrating membrane. Sweeney,—A separation of arsenic, an-timony and vanadium from tungsten

geometry.

chlorophyll.

Winkenwerder, Handbook of field and

lexander,-The quantitative determine ation of chromium

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ical study of reproduction in the genus Acer. genus Acer. !witmyer,---A study of the knee jerk. Velden,---The Samkhya Karikas of Is-

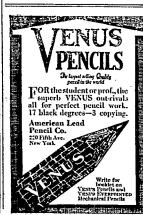
'vara Krishna.

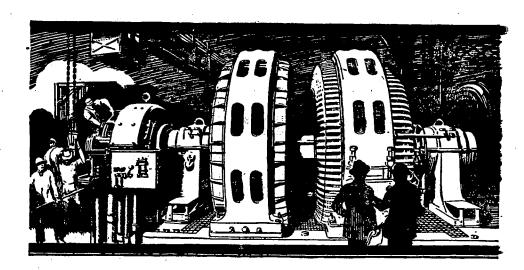
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office problems in forest mensuration Voodward,—The valuation of American timberlands.

Beckerman,—I. Tungsten hexab II. Tungsten complexes.

## J. J. Meyers' Meat Market Allen Street





## Real Service Must Be Engineered

Many of the men whose names are writ large in engineering history are design engineers; men like Westinghouse, Lamme, Stanley, Hodgkin-Tesla, Shallenberger. Their inventions have the quality of usefulness, of reliability, of productability; which is an involved way, perhaps, of saying that they have the primary requisite of all really great inventions:

Engineering history abounds in instances of near-genius that produced no product, and of great developments that never reached completion; and most of these instances are explained somewhere in the system, of that ability to give real Service.

Service, in a machine or a system, or wherever you find it, is not there by accident but because it was incorporated by men who understood what was required and knew how to provide it.

Much more is required of the designer than facility in calculation and mastery of theory. He must have first hand and thorough familiarity with manufacturing operations and with commercial and operating conditions. It takes more than mere ingenuity and inventiveness to design apparatus that will be really serviceable and will "stay put."

The design engineer, in the Westinghouse plan, is responsible for the performance of the finished product. He cannot possibly have the proper understanding of operation unless he operates and tests, unless he spends time and thought in investigation and study, not in the laboratory or drawing room, but right on the operating job. Here, most of his ideas will develop; and here he will see and prepare for all the different things which the product will later have to encounter. Then when he comes to put his creations on paper, his calculations will be necessary and helpful to check the conclusions which he has reached, and this right use of them requires training and a high degree of understanding. This proper balance of the physical and mathematical conception of things is what constitutes engineering judgement.

It should be thoroughly understood that the primary function of the design engineer is the conception and the production of new or improved apparatus, and familiarity with the practical is essential to the proper discharge of this duty.

It is this view of designing that makes this branch of Westinghouse engineering so important, so effective, and so productive of real

