DISCOVERIES ALTER CRYSTAL THEORIES

Chemists Reveal Revolutionary Arrangements of Bodies In Rolled Metal

Revolutionizing prevalent theories of crystal arrangement in rolled metals, Prof. Wheeler P Davey, of the department of chemistry, and Cleveland B Hollabaugh, graduate student of physical chemistry, are reaching startling conclusions in the fields of physical chemistry while working on a thesis for the latter's doctor's degree

gree
The new ideas discovered have a large contributory value to the final solution of metallurgical problems caused by metal cracking when it is rolled. A solution will be made more possible by a comprehensive knowledge of the orientation of crystals in rolled metal, discovered during the research.

edge of the orientation of crystals in rolled metal, discovered during the research.

Contrary to the existing idea that, when face-centered cubic metals are rolled into sheets, one lave of atoms arranges itself parallel to the surface of the sheet, Professor Davey and Mr. Hollabaugh have found that crystals of rolled metals are not lined up accurately, but, that they arrange them-selves like bricks in a poorly laid pavement. The eyeptiments show their orientations are not definite but come within certain limits

To Present Papers

To Present Papers

To Present Papers
Upsetting the theory that all faceintered metals behave alike and
in a definite, fixed arrangement,
it is scientists found that angular limis of this prefeired orientation are
frement for dissimilar face-centied
the metals and depend upon the
iemical valence of the metal.

The investigators this found that

chemical valence of the metal. The investigators thus found that copper and nickel, both having valence of two, behave exactly alike and differ from silvei with a valence of one in orienting within dissimilar limits. These arrangements are still different from that of aluminum with a valence of three.

The orientation aspect has been

lences. At present, metallurgical concerns are using orientation to improve their factory methods of rolling. Professors Davey and Hollabaugh are planning to present a paper on their iesearch problem before the American Physical society at Washington, D C April 30 and May 1, 2

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Bright Hued Lapel Ribbons Herald

Know then that Eta Kappa Nu is Know then that Eta Kappa Nu is an honorary electrical engineering society and is not for recognition of skill in Spanish, that Alpha Pr Mu is to reward tuture doctors in the making and does not seek to pledge interior decorators, and that Purple Quill does honor to embryonic Sinclair Lewises and is not for the encouragement of smock-wearing artists. If you would hold even your best friends, realize that Parmi Nous is not for French students but rewards active juniors and seniors, understand that Skull and Bones pledges upper-

Opening a series of five lectures on "Adnormal Psychology and Mental Hygiene," Dr. Horace V Pike, clinical an enecting in Harrisburg on April 2 and 3 to aid in organizing in association of Pennylvania college teachers of political science Dr. Tanger is a member of the committee in charge in the properties of the Committee in charge in the properties of the Committee in the properties of the State government and possibly Governor Punchot, the delegates from Pennylvania colleges will also discuss public utility problems, new election laws, and the State's Manneal system.

GIVES AGRICULTURE A SCANNOR COMPANY OF THE PROPERTIES OF THE PROP

The orientation aspect has been practically settled, and now the seein tists are faced with the problem of finding a reason in physical chemistry for these different arisingements and why they depend on the metals valences.

At present, metallureur it used a tree using comment of the properties of t

Ephe M. Olliver '31 Horace R. Josephson '32 Gordon G Mark '32 Herbert H Muntz '32

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CREYHOUND

Greek Honorary Pledging Season

Open season for honorary frateralty pledging is here again, and once more the campus is teeming with alterals key-burdened individuals proud-the property wearing bits of assorted hued rib bons bring an amazing whirl of Greek letter combinations and, very often, in their collective lapels.

To the unmittated this time of years bings an amazing whirl of Greek letter combinations and, very often, beautiful friendships are broken because of congratulations prompted in good faith but uttered with seemingly malicious inaccuracy

Know then that Eta Kappa Nu is sometimed as activities leaders and is not intended as compensation for the labors of tunent products, and remember to the labors as private products and intended as compensation for the labors of tunent and trip. Pletta Epsilon honors aspiring journalities and has not the remotest connection with mathematics.

Don't gaze dumbly at a Delta Sigma Rho shingle for activity in debating and congratulate the owner for being a prominent football man house of congratulations prompted in military libbons for being on the feneing team, and don't commit a similar faur pas by crediting the owner of a Blue Key shingle with skill an honorary electrical engineering so-

siminer Jan's pass by creeding the women of a Blue Key shingle with skil in industrial engineering. Only when boits of ribbon have been used for lapel fribbons, barrels of irdia nik have been consumed for honorary shingles, thousands of stamps have been leked by neophytes writing home for intiation money, and hundreds of paddles have been broker over prospective key-wearers, may the unknowing step forth again. Even then he uses the danger of meeting his best friends submet ged in a Friar's ha and congratulating him for his worl in the home economics department!

2 OF FACULTY WILL ATTEND | PSYCHIATRIST TO GIVE FIRST LECTURE IN SERIES TUESDAY

DISBAND RUTGERS SOCIETIES

Cap and Bell, sophomore society at Rutgers university, was ordered disbanded by student council because disbanded by student council because it lacked "pep," according to the Cinemant Beaucat At the same time, the council ordered the dissolution of Scarlet Key, junior organization which was supposed to entertain guests of the university but failed to fulfill its purpose

ENGINEERS WILL HEAR AIR BRAKE COMPANY EXECUTIVE

Mr L. K. Silleox, vec-president of the New York Ah Brake company, Watertown, New York, will be the speaker in the weekly engineering lecture when he addresses senior en-gineers on "Changing Conditions in Transportation and Commerce" in the Chemistry amplitheater at 4 10 o'clock this afternoon.

Campus Bulletin

Intramural Track managers will meet at the Kappa Sigma house at 8 o'clock Tuesday night The entrance fee of \$1 will be due at that time.

Freshman women's study schedules are due in Dean Ray's office Monday

Those wishing to go on the unem ployment trips to Philadelphia and Pittsburgh are requested to report at the Y. M. C. A.

Dean Charlotte E Ray and assistant dean Helen E. Cleaver will be at home to all senior women living of campus from 4 to 5:30 o'clock Monar's building and to all juniors living in town at the same time Tuesday.

Candidates for first assistant Baseball managers are to report at the Freshman Field Saturday afternoon, at 2 o'clock

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WANTED—Student to assist in kitchen. Must room at the house. Good opportunity. For interview call 817.

WANTED-2 RIDES to phia and return during Easter holi-days. Edward Cornely. Phone 138.

OST—Black leather note book somewhere between Engineering "A" and the Women's building. Finder please return to Miss Margaret Troup, Woman's building.

FOR SALE—Special riding tickets on easy terms. Beginners' classes 6 p. m. daily, instruction free Other groups at 4 p. m Phone 9799 by noon for reservations. Ask about Phys Ed credits. Campus Saddle School (1car of theatres). 27ch

LOST-Light topcoat containing pair of grey gloves, also light grey hat at Old Main Saturday night. Call A R. Warsh, 569

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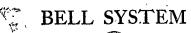
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