

Radical Metallurgy Innovation . . . Industries Use Powder Metal Process . . . Prof. W. F. Weiland Sees Possibilities

The most radical innovation in metallurgy which has been introduced in the industries of the United States is powder metal. The process in powder metallurgy is to take fine metallic powders and press them into solid shape. Starting this year Michigan,

Minnesota and Ohio State have added new departments of powder metallurgy. According to W. F. Weiland, associate professor in mechanical engineering, the university will not add a class to instruct students in powder metals.

Harmony Hour Will Feature Russian Music

Phi Mu Alpha Sinfonia harmony hour tomorrow (Monday) night will feature an all Russian program at 4 p. m. in the music room. Dietir Kober will be the commentator.

Included on the program will be "Prelude in E flat" by Dmitri Shostakovich; "Pictures at an Exhibition," Modest Mussorgsky; and "Fantasy-Overture Romeo and Juliet," Peter Tchaikovsky.

The next program on this year's series will be about French music, including Debussy, Ravel, Bizet and Dukas. The date of this is Monday, Oct. 20.

However, Professor Weiland remarked that one or two lectures have been given each semester about powder metallurgy in the course of Metalography. Professor Weiland sees possibilities in powder metals but only in small parts of machinery. He believes that molten metals will predominate over powder metals in the future as they do now.

Very Porous.

The new General Motors and Chrysler cars are equipped with about 25 to 30 parts produced by the new powder metal process. Most of the powder products are often much cheaper than those of fusion metals. To the naked eye this metal appears like ordinary metal. But it is much lighter and is very porous, enabling it to absorb a large quantity of oil.

The main reason the products of powder metal are so small is that pressures from five to 100 tons per square inch must be applied to produce the finished product. Therefore, a four inch diameter gear would require pressure as high as 400 to 1,200 tons. The present presses in use only have the capacity of 80 ton.

With the application of heat at the same time pressure is applied.

Lyman Addresses Religious Group

Dr. R. A. Lyman, dean of the college of pharmacy, who has served as treasurer of the Westminster foundation of the Presbyterian church for a number of years, recently addressed the annual synod of Nebraska, conference group of Presbyterian ministers and elders which met this year in Norfolk.

Dr. Lyman's address acquainted the state Presbyterian leaders with the various activities of the Westminster foundation, which was formed to look after the religious welfare of the university students.

the pressure needed may be reduced. However, this particular phase has not been completely developed. Cold pressed powder metals at the present time are not very strong so that baking of the product at temperatures well below their melting point is needed.

Because of the porosity of powder metals, an experiment has been started to replace ribbons on typewriters and clerical machines with powder metal typefaces. The porous typefaces will absorb ink and then stamp it on paper.

Housewife's Worries Over . . .

Corn-On-The-Cob Available In New Wormless Varieties

. . . Following Ag Research

No longer will the housewife need to worry about serving some specimen of worm along with her corn-on-the-cob.

Professor Tate, chairman of the entomology department, has been working with the horticulture department on this project this past summer. The worm preventative which has been discovered is a mineral oil plus an insecticide. This concoction is injected into the tips of the corn ear just after pollination has taken place, or at the time the silks have begun to turn brown and dry up. This material acts as a barrier to the entering worms and as a poison to those already present in the ear of corn.

The solution is injected by the use of an ordinary plunger type oil can, or by a specially prepared applicator. Most dependable results have been obtained by using about one-fourth teaspoonful or about 12 drops. The introduction of too much oil into an ear is likely to cause rotting, while on the other hand too little material is likely to produce unsatisfactory results.

Practice Profitable.

This practice has been proved profitable if the infestation is 50 percent or over. In experimental work this past summer 85 percent undamaged ears while the un-

Defense Group Chooses Mary Kerrigan Chairman . . . Begins Action

Initial action by the university national defense committee occurred this week end when the group of seven students, organized to co-ordinate student activities with the national defense program elected officers and laid down an activities schedule for the first semester.

Mary Kerrigan, Nebraskan editor, was named chairman of the committee, and Morton Margolin, Student Union board of managers vice president and Nebraskan man-

agin editor, was elected secretary of the group.

Distribution of yarn and knitting instruction to university women Monday will constitute the first activity in the national defense room. All women interested in knitting or learning how to knit for the British War Relief Society are invited to attend the sessions to be held Monday, Wednesday and Friday from 3 to 5 p. m. in the former Cornhusker office.

Other activity plans laid down by the committee include the publication of a university newsletter to be sent to all former students now serving in the armed forces and projects in co-operation with programs of the United Service Organizations and the Red Cross.

Members of the defense committee are Mary Kerrigan and Paul Svoboda, representing the Nebraskan; Morton Margolin, Laurel Morrison and John Jay Douglas, representing the Union board of managers; and Nancy Jean Haycock and Jasqueline Woodhouse, students at large.

Students are urged to supply names of former students now in the armed services before the publication of the first newsletter, Oct. 22.

Company Wants Accident Witness To Report Today

Anyone who witnessed the accident that occurred on 14th street between Q and R streets at 10:30 p. m., Sept. 15, is asked to report his name and address to the office of the Daily Nebraskan today.

John Bath, student instructor driving a Plymouth coupe, hit a pedestrian, Mike Ridpath, who suffered slight injuries. The Judd W. Crocker Claim Department of Omaha is investigating the accident.

Pharmacy Grad Gets Dean's Post

Howard Hopkins, who took his MA in pharmaceutical chemistry here in 1940, and who has been a graduate assistant in the college of pharmacy for the past two years, was appointed in September dean of the college of pharmacy at Ferris Institute, at Big Rapids, Michigan.

AIEE Hears Talk On Fluorescence

A regular meeting of the American Institute of Electrical Engineers will be held Wednesday at 7 p. m., in ME building, room 206. N. B. Mimhofen will speak on "Fluorescent Lighting."

Fewer Pictures Taken for 1942 Cornhusker

The number of pictures, taken by houses for the 1942 Cornhusker fell off this week according to the following list showing the percentage of pictures taken by each house competing in the contest this week.

Sororities.	
Chi Omega	20.5%
Alpha Omicron Pi	17.5%
Gamma Phi Beta	16.7%
Fraternities.	
Sigma Chi	3.0%
Zeta Beta Tau	3.0%
Alpha Gamma Rho	0.0%
Theta Xi	0.0%

This contest ends Tuesday, October 14th. A free Cornhusker is given to the president of each house with 100 percent before that time.

These Surrealistic . . . Lapel Pins Create Fright . . . Among Male Students

Has surrealist Dali gone into the junk jewelry business? Or has some ordinary man's bad dream produced those grotesque lapel pins that are today's campus rage?

Things have come to the point where a fellow can't even pass a coed without having a one-eyed, inspid looking donkey, or some such thing, staring at him from her coat lapel.

Dali: 'It's Logical.'

All of those things may have

a perfectly logical interpretation. That's what Dali says. Yesterday a girl wandered in the Union wearing a pin formed like a beautiful pair of feminine lips with fingertips touching them. Asked what it was, she scornfully explained with much nonchalance that it meant kiss the boys goodbye.

And does anybody know what a split heart with a bunch of grapes hanging from it is supposed to

represent. And don't say the grapes of wrath.

Green Eyes.

Or try some of these on your harpsichord: a three-legged fish with a white feather in its head; an old shoe with a bunch of tin cans tied on behind; a green eye completely surrounded by ears.

Of course it is a lead pipe cinch that this surrealist stuff does attract attention. And as a matter of fact it looks nice, too. So don't complain; just go quietly crazy.

School of Fine Arts Presents Music Recital

Five students took part in the music recital held in the Temple Theatre Wednesday. The program was presented by the school of fine arts.

First on the recital was a voice solo, "By a Lonely Forest Pathway," Griffes, by Cleve Genslinger. Virginia McNeel played Goldmark's "Air" (from the concerto) on the violin. Playing the piano, Dolas Okawaki presented "Erotik" by Grieg.

Another voice number, "One Fine Day," from "Madame Butterfly" by Puccini, was given by Milrae Anderson. Frances Keefer also played the piano, presenting "Fantasy in C major" by Schubert.

Nurenbergs Wed In Pennsylvania

Louise Eppinger and Porkey Nurenberg were married Oct. 4 in the Episcopal church, Chambersburg, Pa., at 6 p. m. Mrs. Nurenberg was a member of Gamma Phi Beta and attended school here last year, as did the groom. He was a member of Delta Upsilon.

The wedding took place one year after their first date and they planned the ceremony so that it would be on that day.

The couple will live in Pennsylvania where he has work as a construction engineer.

Three miles of pipe are required for the heating system in the Love Memorial library now under construction.

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