

Forrester invents device to clear air of dust, smoke

Jay Forrester designs model of air filter

A working model of a new type of air filter has been designed and built by Jay W. Forrester of Anselmo, senior in the University of Nebraska department of electrical engineering. The device, known as an electrostatic dust precipitator, cleans the air of every particle of dust or tobacco smoke.

The operating principle is to charge dust particles with electricity as the air passes thru the cleaner and, with oppositely charged plates, to draw the particles out of the air in the same way that filings are attracted to a magnet. The air cleaner is patterned after the latest type of electric filters now in commercial use.

Efficiency unusual.

Efficiency of the new filter is unusual, Forrester says. Tested in comparison with a good mechanical air cleaner, the ability to remove soot was markedly superior

in the electrostatic filter. Lower operating cost of the new filter is exemplified by the unit which air conditions the first four floors of the Marshall Field office building in Chicago. There, 272,000 cubic feet of air per minute is filtered with approximate power consumption of 5 kilowatts.

Forrester's model consists of two units. The first electrically charges each dust particle in the air passing thru it. The second contains oppositely charged plates which attract and hold the dust particles.

"The air stream passes first thru the ionizing unit which consists of fine wires stretched parallel to grounded rods," Forrester explained. "Each wire is maintained at a potential of about 10,000 volts above ground. In the second step, the air stream containing the charged particles passes between parallel plates about three-eighths of an inch apart and charged from a 5,000 volt supply. Here a charged dust particle is attracted toward one plate and repelled from the other.

New Hovland-Swanson store to have auditorium

The new Hovland-Swanson store which will open this fall in the location formerly occupied by Walts and the Town Talk bakery, will boast an auditorium on the third floor. Here the store will stage fashion shows, according to John Wylie, advertising manager.

The first and second floors will be open before the fall school term begins and the third shortly after-

ward. The first floor will show cosmetics, shoes, millinery, accessories, sportswear and lingerie. The furnishings will be of the classic type. All of the store's ready-to-wear will be on the second floor.

During the 288-day run of the Golden Gate International Exposition, over 300 conventions will meet in San Francisco. All have planned trips to the World's Fair in San Francisco Bay.

BULLETIN

Pershing Rifles will march as a unit in the parade following competition tomorrow. The company will form on the walk in front of the stadium after inter-company competition.

Tassel meeting tonight at 7:00 at the Student Union, room 316. Motion pictures of Ivy Day will be shown at 7:30.

Barb--

(Continued from Page 1.)

Barb Council, an office which carries with it the position of Barb Union vice president, lived the closing session of the Barb Council Monday afternoon.

Erie Gonstabile emerged as the new president of the Barb Council when the ballots were counted. Harriet Lewis, past president of the Towne club, was voted vice president, Vernon Wiebusch, secretary-treasurer, and Jeanet Swenson, historian.

A plan proposed by Art Hendrickson, president of the Barb Union, to sell membership tickets entitling the Barb buyers to admission to the weekly dances, the winter formal, and the spring picnic was relegated to a committee with power to proceed and carry the plan into operation if arrangements could be made.

Compet--

(Continued from Page 1.)

rifle team will be presented with white "N" sweaters and the R. O. T. C. rifle team members, with medals.

All awards and honors will be presented by the sponsors of the R. O. T. C. battalions, except for the Pershing medal, which will be awarded by Miss Pershing, the American Auxiliary and D. A. R. awards, which will be given by members of their organization, and the Battery trophy, which Col. Leo J. Crosby will present.

SUMMER JOBS FOR GIRLS

Good Openings in Domestic Service

INTERSTATE EMPLOYMENT SERVICE

303 Sec. Mutual Bldg.

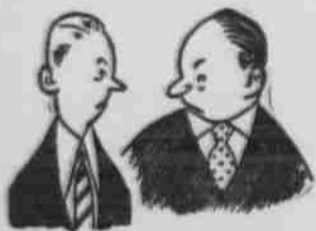
What's What on Style?

(A One Minute Quiz for Men)



Q. Is the watch fob as dead a number as the cloth-top shoe?

A. Believe it or don't, but fobs like those flaunted in the "Nineties" are good style again. Well-dressed men are now wearing them with formal clothes.



Q. Are collar points getting longer or shorter?

A. The trend is toward longer points, but good dressers still pick whatever length they please. Speaking of collars, the best looking ones on earth are Arrows, and you'll find them only on Arrow shirts. \$2 up.



Arrow, Peabody & Co., Inc., Troy, N. Y.



Q. How big should the knot on your necktie be?

A. Medium size. The fellow in the center has his right. Arrow ties, thanks to their well-chosen fabrics and specially-cut lining, tie a handsome knot. \$1 and \$1.50.



Q. Is the seamless-crotch short the most comfortable?

A. No seam means no sewing, no chafing, no underwear misery. Arrow shorts not only have a patented seamless crotch, but also are sanforised—fabric shrinkage less than 1%—guaranteed against shrinkage. 65c up. Undershirts, 80c up.



If it hasn't an Arrow label, it isn't Arrow

(Lincoln's Fashion Center)

HOVLAND-SWANSON

Navy Rayon
Cape Jacket
Black Suit 1.10

3 piece S. K.
Wagon Fly
Suit 12.95

Tennis Dress
with Gingham
Skirt 7.95

Here are your
Fresh Air Clothes

The sun calls — and Hovland-Swanson answers with an exciting collection of new outdoor clothes—gay in color, sturdy in fabric—designed for enthusiastic action. Fashions for golf—tennis—cycling—for tending your garden—for leisure hours at home. Packable sport dresses for getting out of town for a pleasant week-end. See these vivid, dramatic clothes, soon.

Swim Suits	\$4 to 7.95
Slack Suits	3.95, 5.95, 8.95
Shorts	1.95-2.95
Tennis Outfits	5.95-7.95
3 piece Short Skirt and Shirt Sets	12.95-16.95
Packable Sports Dresses	1.95, 2.95, 5.95
Overalls and Separate Slacks	

All clothes illustrated here sketched from stock

Drawings made by
Mary Ann Schnase
of the University
of Nebraska