

WHY Mississippi Floods Present Grave Problem

The Mississippi is the crookedest great river in the world. It travels 302 miles from St. Louis to Natchez in a straight line. In many reaches of a 100 miles, the length could be cut nearly in half. The lessened friction on a straight course would save nearly half of the actual drop of 379 feet between St. Louis and New Orleans.

River Kept in Order by Chinese Engineer

In view of the disastrous Mississippi floods it is interesting to note that 2,100 years ago a Chinese engineer, Li-ping, laid down the correct engineering principle for controlling the flood conditions of a river flowing through a flat alluvial plain.

Fragments of Bottle Good Legal Evidence

Fragments of a broken bottle once settled a legal dispute as to the location of the original corner post of a surveyed tract. It was customary in the old surveys to place broken bottles, crockery or other articles that would resist decay in the holes where the corner posts were to be set, and notes of such deposits were recorded by the surveyor in his book.

Why Rapid Evaporation Cools the Atmosphere

It is fairly well known that if a wet towel be hung in the window the room becomes almost immediately several degrees cooler. If a little alcohol or ether is spilled on the hand the cool sensation experienced is due to the rapid evaporation.

Optimism vs. Pessimism

The talk was of the pessimism of the young. "I do not understand why," said one. "You would think that young people would be all optimistic with the future before them."

Why Musolini Bars Febs

Musolini's declaration "no more ceremonies" made at a conference of representatives of Italian mayors, is taken to be the final order to the effect that receptions, banquets, official teas, "vermouths of honor" and the like interfere with the serious work which Italy must accomplish in the next ten years.

Satisfied

A short-sighted man who was also very inquisitive was walking in the country one day when he saw a notice board nailed on a tree that stood in a field. As he could not read the notice at that distance, curiosity prompted him to climb over the fence and walk across the field toward the tree.

Why Stars Flicker

The twinkling of stars is a rapid shaking or vibration of their light caused mainly by the turbulence of the atmosphere—currents and strata of different temperatures intermingling and flowing past each other. A star's light seems to come from a more point, so that when it rays are scattered by irregular refraction at one instant very few rays reach the eye, and at another, many. This accounts for the seeming change of brightness in a twinkling star.

Flowers at Weddings

It is impossible to state when flowers were first used at a wedding, since this is a very ancient custom. Orange blossoms were worn and carried by brides from the earliest times, as they portend luck and happiness.

Why Planter Was Shocked

Sourabaya, Java.—A Dutch planter owner near here got the shock of his life on returning from a journey recently. He was told that his faithful native steward had sold the whole season's produce to a couple of visitors at very advantageous prices—millions, in fact. The steward, who had been unable to sleep because of the responsibility involved in the custody of so vast a fortune, produced a sheet of bank notes for millions of Garkish marks of the transition period—now worth nothing.

Antiquity of Bagpipes

Jacques de Morgan, during his excavations in Persia, found some terra-cotta figures, dating from the Eighth century B. C., playing on what appear to be bagpipes. Again we find the bagpipe in Persia in the sixth century A. D. on the great arch at Takht-i-Bostan. While crude, the representation serves as evidence that the bagpipe was in use during the 14 centuries which elapsed between the time the terra-cotta figures discovered by De Morgan were molded and the carving in the rock at Takht-i-Bostan.

Why Ball Curves

There are many scientific explanations to account for the curve of a baseball. It is generally agreed that the rotary motion of the ball after it leaves the pitcher's hand is the cause of the curve of the ball.

Electric Cash Counter

Money flows like water in the Bank of England, in London, where a novel electric machine sorts and counts silver coins and discharges them into bags lying beneath. Amounts of from 5 to 1000 sterling are automatically allotted to the proper receptacles, says Popular Science Monthly. Far more rapid and accurate than a human hand, the device measures the weight of 1000 in a few seconds.

Show Smart Lines in Autumn Frocks

Season's Innovations in Fall Wear Make Latest Styles Most Flattering

Of primary interest to the woman of fashion this fall is the changed silhouette, which so long predicted and prophesied, at last seems an accomplished fact. Whether it is a natural reaction against too severe and simple styles or whether the Parisian designers have found in the recent boyish modes not enough scope for the exercise of their talents it is hard to say. One thing is certain: a new fashion correspondent in the New York Times, elegance, old-time elegance, has returned, and the first departure from recently accepted standards of rigid simplicity is in the matter of line. Skirts, in fact, are at last longer. Such couturiers as Poiret, Molyneux, Drecoil, Jane Regny, Cybar and others of like note have added actual length to the hemline. This additional length, however, is not more than one inch; but when knees have been so generally exposed to view, even an inch is something. Thus there is the irregular hemline, which is possibly a more interesting development.

The conventionally short skirt is retained, but an appearance of length is produced by pointed sides, fluttering panels, low descending drapes, longer backs, and, in the case of evening gowns, actual trains. Molyneux shows these effects in addition to the added length of actual length noted above. With him in the movement for the irregular hem are various great designers, such as Worth, Patou, Premet, Champcommunal, Miller Soeurs and some live or six others.

Dipped hemlines were really originated as early as last spring by Louisiane, whose familiar model of girdled bodices and skirt that was short in front and dropped gradually at the sides to full length in back, has been popular all summer. In the printed chiffon version which this house originated, the model is still appearing at the smartest resorts in Europe. Since it is in reality a semi-period frock with rather full skirt, it will undoubtedly continue its existence during the winter, being sponsored by the young girl and that type of slim matron who is at her best in a gown of period influence. This sort of gown has received more prominence than usual in the fall showings, Agnes, Redfern, Lanier, Bishop and others rather making a feature of it.

All frocks, even daytime ones, show added fullness in the skirt. The circular line is favored, generally at front and sometimes at the sides.

Draping is prominent. An immense amount of draping appears. It is one of the most practical and effective features of the mode. For it has such infinite possibilities. It is the plump woman's kindest friend, since a mass of draping cleverly manipulated conceals bulging contours and gives long and slenderizing lines as no other fabric treatment can. It is strikingly graceful, too, and in the lustre of satin and now transparent velvets it effects a self-trim unsurpassed for elegance and beauty.

The draped effect so much seen this summer with printed front continues in great variety. Patou makes it in circular fashion, Champcommunal in diagonal. Molyneux uses double tiers which suggest a tunic. In fact, the



Dust and Shiny Satin Combined in New Dress for Fall.

tunic silhouette itself is one of the latest notes for fall. The bonneted bodice above a simple neckline continues, as does the bolero. The latter is very versatile. It may end just below the shoulder blades or drop to any length from there to the hips. It is an excellent device for concealing defects of figure. Along with the tendency to lengthen the skirt at the hem, appears a similar tendency to length at the hip, this achieved naturally enough by raising the waistline. Back to normality has been the cry of the waistliners for some time, but, in spite of much propaganda, the needed line remained fixed somewhere around the hips. Today the very low line remains, the hip-line also, but there is a movement on the part of some important designers to raise the waistline, if not to normal at least to

Smart Frocks Show Smart Lines in Autumn Frocks

Season's Innovations in Fall Wear Make Latest Styles Most Flattering

Necklines are higher and more becoming than they have been for some years. Lining continues the collarless effect, but adds a little bow as a trim. The soft turn-back collar, which gives a flattering neckline for the older woman or for the very thin woman, is sponsored by Chanel. Even high collars appear on some models. Tailored uses them, as do Doreet and Drecoil. Many face collars and neckbands finish dresses of black, transparent velvet. Sometimes a heavy dress has an inset yoke of silk or salmon. One smart model of black crepe had a yoke and sleeves of white crepe. The same type of gown was also seen in black and salmon. When one takes into account the vast amount of costume jewelry sponsored it would seem as if, between collars and neckbands, neck lines were destined to be very feminine and flattering this winter. This is news that will mean little to the flapper or the debutante, but for the older woman it is priceless.

Jeans are popular. In sports clothes the jumper continues to be the high note. It appears in jersey and novelty wools with special emphasis on the flapper weaves. The lines of metal thread



Season's innovations in design feature shiny frocks.

woven into the dark fabric are very smart and distinctive. The main difference in styling the jumper this year is in the matter of length. The jumper has grown longer, not long enough to be awkward, but long enough to allow a becoming belt. Some designers are showing a three-quarter length jumper, Talbot and Regny among these, but it is not probable that the more becoming shorter length will be displaced in popular favor. Sweaters, of course, still hold their place in sports wear, the high-necked model, shown by Regny and Drecoil introducing a new note.

The step-down movement has made itself felt nowhere more visibly than in the realm of fabrics. This principle is to be winter when velvet will predominate. It is shown in patterned patterns for sports wear. It makes charming frocks, evening gowns, coats, evening wraps, handbags and hats. In fact, some houses show a distinct tendency to match or harmonize dress and hat materials, as, for instance, a lustrous, steel-like broadcloth costume and with the velvet dress a hat of self fabric. Although various types of velvet are shown, the transparent variety is distinctly in vogue.

Crepe satin for evening. Crepe satin is also considered highly important for both daytime and evening wear. The present mode of applying bands of the crepe side of the fabric to the lustrous inside as a trim, and vice versa, is undoubtedly effective. This really charming material seems likely to have a longer run for evening than for daytime, because its softness lends itself perfectly to draping and its luster and the beautiful shades in which it appears are so becoming for women to cast in shade.

The compact is always with us, at least the designers are introducing changes on the old form. Now it is more liberally-looking case contains powder and rouge. This container takes the form of a small book bound in calf or Morocco, in green, black or maroon. This design worked out on the leather is of gold in Spanish effect. This is a welcome relief from the everlasting round metal vanity.

Black metal is prominent a tremendous vogue for fall, and this means pearl jewelry. For the number has been the latest of pearls to relieve it. Pearls are appearing in grape cluster designs of white or deep pink. They are worn as earrings, but ornaments, occasionally as bracelet charms and most often as a drop at the end of a silver or semi-precious chain.

Street, Walking Shoes

New Have Lower Heels. If you are wondering whether the heels on your new shoes are too high, remember that heels are getting lower. All new street and walking shoes are featuring the new low heel and flaring out a new-look sole. The new shoes are designed to give you the best of both worlds—comfort and style.

Passionist Create English Province

London, Sept. 13.—The Anglo-Hibernian Province of the Passionist Congregation has been divided into two. The English Province will include Wales and its Provincial is the Very Rev. Father Alban, O. P. and the Irish Province will take in Scotland also with the Very Rev. Father Sebastian, O. P. as provincial.

Though the decision to divide the Anglo-Hibernian province was reached some time ago, certain domestic matters had to be adjusted and the news has only just been made public.

The Anglo-Hibernian Province of St. Joseph was the first foundation in English-speaking countries. The Passionists came to England in 1841 when Father Donalio (now venerable) arrived with one companion. They came without money or shoes, and in the following year established the first community at Astor Hall, near St. Stephen's Green.

BUSINESS REVIEW BUYER'S GUIDE

- ART-GALLERY: The Art Club, 510 Maple Street. AUTO-REPAIRING: Bob & Norman's Garage, 1400 Lake Ave. BAKERY: Anglin's Bake Shop, 111 Field St. BUILDING SUPPLIES: Portland Builders Supply, Inc., 1975 Bridge Road. CLOTHING: C. E. King Co., No. 1000 St. James St. CLEANERS: Wash & Dry, 1411 and 1417 Lake Ave. CONFECTIONERY: The Golden Phoenix, 1451 Lake St. COAL: Melman Coal Co., 11 Portland Ave. DRUGS: Elmer E. Chilton, 1000 Ave. and Alexander St. FURNITURE: Charles Dyer, 655 Jay Street. HARDWARE: J. C. Merrill, 142 Monroe Ave. JEWELRY: Bellows & Howard, 138 Cambridge Street. LUMBER: Robert E. Rowe, 1000 Oak Ave. MOVING AND STORAGE: J. C. O'Shea, 11 Exchange St. PAINTS: George E. Vail & Son, 5 N. Water Street. PHOTOGRAPHY: The Photo Studio, 111 Exchange St. RESTAURANTS: The Elmer, 111 Exchange St. SHOE REPAIRING: The Shoe Repair, 111 Exchange St. STORES: The Store, 111 Exchange St. TAILORS: The Tailor, 111 Exchange St. THEATRE: The Theatre, 111 Exchange St. TRAVEL: The Travel Agency, 111 Exchange St. WATCHES: The Watchmaker, 111 Exchange St. WHOLESALE: The Wholesale Store, 111 Exchange St.

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