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CHAUTAUQUA PARK CLUB.
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MYSTERY FLAGS.

Trophies That Are Souvenirs of Long Forgotten Battles.

In the midst of that wonderful collection of the souvenirs of battle that are on permanent exhibition in Trophy hall at the Naval academy in Annapolis are the nation's unknown trophies. Flags that were captured in now forgotten engagements are hung in the cases side by side with those whose glorious history is known.

Two of these souvenirs of forgotten battles are British flags. One is a Jack marked Avon and nothing more; the other is the ensign of a warship and is marked Berford. From the condition of both of these flags it is supposed that they date back to the war of 1812, but history gives no record of ships bearing those names being sent to American waters by Great Britain.

Another of the mystery flags is the "814" flag. In great white figures this number appears on a field of blue, and the entire flag is bordered with red. From some engagement in the war with the Moorish pirates the flag that the officers at Annapolis came to call the "house flag" seems to have come. Yet no one knows where that battle was fought or under what circumstances of heroic sacrifice it was added to the long list of the trophies of our naval victories.—Christian Herald.

LIGHT OF THE SUN

In Its Pure State We on the Earth Have Never Seen It.

SOME RAYS DO NOT REACH US.

If They Did They Would Probably Destroy Life as It Exists on Our Planet. Daylight and Sunlight Differ Almost as Much as Do Wine and Water.

"As clear as daylight" expresses in ordinary language a maximum of plainness and obviousness. Nevertheless daylight is one of the most complicated and capriciously variable of all natural phenomena.

Almost everybody you meet will tell you that daylight and sunlight are different names for the same thing. They think they know that much of astronomy anyway. But astronomy does not teach anything of the kind. Astronomy simply tells us that the sun is the primary cause or source of daylight, but it does not say that daylight and sunlight are identical. In fact, they differ almost as much as do water and wine.

But the degree of difference varies. Daylight is a mixture of two kinds of light, and its quality is continually changing, as everybody who has ever had anything to do with photography knows. The proportions of the two kinds of light that make daylight are not the same from hour to hour and hardly from minute to minute.

In clear weather, under an open sky, with the sun high in the heavens, daylight, says Professor Nichols of Cornell, is almost entirely sunlight. A white surface exposed to an unobscured sky receives directly from the sun 85 per cent of the light that illuminates it and only 15 per cent from other parts of the sky dome.

This other part of the illumination is called skylight, and it consists of light, nearly all of which came originally from the sun, but which has been changed in quality by reflection from the earth, from the clouds and from dust and vapor in the air. Many of the rays that characterized the original sunlight have been absorbed by the reflecting substances, so that what remains is no longer the same thing as before.

On a completely overcast day there is no sunlight, properly so called, but only skylight. Whether the sky is overcast or not the intensity of daylight varies with the hour of the day and with the season. This is due to differences in the elevation of the sun. These variations in the intensity of daylight are surprisingly great. The intensity is on the average ten times as great in midsummer as in midwinter, but this average comes far from expressing the utmost difference that can exist, for investigation has shown that between the clearest summer day and the darkest day of winter the ratio of the intensity of daylight may be as great as 300 to 1.

Besides, the quality of daylight is continually changing on account of the variations in the relative amounts of the different rays of the spectrum that are mingled in it. The spectrum of light is a gamut of vibrations, and the result of the selective action exercised by the substances and vapors, from which the light has been reflected and through which it has passed is to produce variations of color and of intensity of color, as well as of the quantity of invisible radiations present, and these variations are not the less real and important because the eye is not always fully aware of them.

As to pure sunlight, we never see it on the earth. The light that arrives to us from the sun has neither the color nor the intensity that it possesses before it enters the atmosphere. The ultraviolet rays especially are almost completely screened off by the atmosphere, and if they reached us in their full force it is probable that life as now organized on this planet would be destroyed by them.

Every different world has its own daylight, although all may be illuminated by the same sun. Not only does relative distance affect the intensity of daylight on different planets, but the constitution of their various atmospheres has an equally great effect. Venus has a daylight twice as intense as ours; Mars one-half as intense. On Jupiter the intensity is 1-25 of that on the earth; on Saturn, 1-90; on Neptune, 1-900.

But each of these planets has an atmosphere peculiar to itself, and thus the differences of daylight upon them are made still more remarkable. This is one of the first things to be taken into account in all speculations about the habitability of those other worlds.—Garrett P. Serviss in Spokane Spokesman-Review.

A Wonderful Word.
Confidence! What a wonderful word it is! How much it does to make a despondent man or woman feel better! How often it has lifted a business man out of the deepest despondency and given him another chance! Say a helpful word whenever you can, whether it be to a child with tear dimmed face or to a workman who has lost his job or to a business man who faces serious embarrassments. It will pay.—Lestie's.

The Guilty One.
John—So, that's your new tie, eh? Why on earth did you select such a loud pattern? Joe—I didn't select it. My brother did, and he's slightly deaf.—Judge.

Sincerity and truth are the basis of every virtue.—Confucius.

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YOU MIGHT LOOK

At Some of These Offerings

POSSIBLY ONE OF THEM WILL INTEREST YOU

About eighteen acres, one-third cleared, part in crops; neat little house, been built three years; city water, lights and phone; several hundred dollars' worth of wood on the place. It can be developed into a fine fruit ranch, chicken ranch, or a small all-purpose ranch. Price \$2,100, on easy terms.

A two-acre tract on Terrace street; a four-room house with two porches and basement. The two acres are all in fruit, just coming into bearing. These trees, as well as the whole place, are in good condition. There are about one hundred cherry trees, balance are apples, pears and peaches; about one-quarter acre of strawberries; good barn, chicken house and wood-shed. There are seventeen hydrants on this place, and every foot of the place will produce. Price \$2,700. Terms on part.

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