

MEASURING THE DISTANCE OF STARS BY THE STRENGTH OF THEIR LIGHT

(By Associated Press.)
 SAN DIEGO, August 11.—Discussing the determination of the distance of the stars from the earth by means of the lights they send to the earth, Walter S. Adams, of Mount Wilson Solar observatory, said in part:
 "The determination of the distance of a star by a study of the light it sends to the earth is one of the recent remarkable advances at the Mount Wilson Solar observatory. The discovery opens up another rich field for the use of the spectroscopic, which has already told us so much, all in fact, that we know about chemical composition, and much that we know of the motions of the stars."
 "Dr. Adams, of the Mount Wilson staff, finds that the relative intensity of certain pairs of lines in a star's spectrum depends upon its intrinsic brightness, that is, upon its candle power; and it is now possible to measure the candle power of a star by observing these lines. With this known, the determination of the star's distance is simple."
 "The comparison of the candle

power with the brightness of the star as it appears to the eye leads at once to the result, just as one might calculate the distance of a street lamp by comparing its observed brightness with its known candle power.
 "Although the method is at present applicable only to the yellow and red stars, it promises to yield information of the greatest value. No other known process is capable of finding the distances of more than a few hundred stars, just those which are nearest to us. In consequence we know little or nothing about the distribution of the stars throughout space and the form and limits of the stellar universe.
 "It is a peculiarity of the new method that it can be applied to the distant stars with the same ease as to our nearer neighbors. It is only necessary that the star should be bright enough for observation with a spectroscopic. A few years should therefore be sufficient for the accumulation of observations which will greatly increase our knowledge of the structure of the universe of stars."

GREAT DECREASE IN CRIMINALS IN ENGLAND

(By Associated Press.)
 LONDON, August 11.—The report on prisons in Scotland for 1915, just issued, reveals a remarkable decrease in the number of criminals dealt with, the lowest since 1869, notwithstanding the fact that the population of the country has increased since then by 45 per cent. The decrease is attributed chiefly to the growth of the temperance movement, increased facility for finding employment, and the recent mobilization.
 The number of criminals tabulated in 1915 was 27,340, a decrease of 16,195 as compared with the total of the preceding year.

FOUR DOLLARS A POUND PAID SMUGGLERS FOR PEPPER

(By Associated Press.)
 AMSTERDAM, Netherlands, August 11.—Dutch smugglers on the Belgian border are reported to be getting as much as \$4 a pound for what pepper they succeed in getting across the frontier into the hands of German soldiers. The pepper is said to be used in the filling of bombs and in the making of tear producing gases.

Hello! They are reporting old Emperor Franz Josef at the point of death again. Isn't somebody overlooking the case of the crown prince? —Houston Post.

FASHIONABLE BELGIAN RESORTS SWEPT BY THE CONSTANT FIRE OF BIG GUNS

(By Associated Press.)
 ROTTERDAM, Netherlands, August 11.—A correspondent who has just been permitted to visit the Belgian coast reports on the formidable defenses that have been raised there. A long line of barbed wire entanglement stretches along the coast, and an endless series of long slender ship's guns protrude from the coarse grass of the dunes, and behind the dunes crouch the heavy howitzers.
 Underground dwellings and bomb proof concrete form part of the great trench along the entire coast, he says. "No spot is unguarded. Everywhere the endless line is occupied by sailors, who endeavor to find relief from the monotony of their life in gardening and in the care of their pigs, goats, rabbits and birds.
 "Here and there one comes across an enormous unexploded shell, hurled ashore by one of the big British warships, and which now forms the ornamental center of a flower garden. I saw a big fellow among them, some of 38 centimeter caliber.
 "What one sees in the way of destruction is the work of the fast torpedo destroyers, which have on occasion hurled smaller shells on the coastal towns with their quick firing guns. The corners of houses are gnawed away; here and there a gable exhibits great holes. But the damage is not very bad, at least not in Ostend and Zeebrugge; much less than one would have supposed. Even on the seaside the towns appear to be little damaged. The big bath hotel at Ostend is untouched, and the great glass Kurhaus shows no breakage in

its numerous panes. A few big buildings by Zeebrugge have been leveled to the ground, but that was the work of the Germans, owing to the fact that these buildings helped to direct the enemy's fire on the occasions when he sought to destroy the most susceptible feature of the harbor, the big lock.
 "The real work on destruction begins where the French land guns have been able to have their say. Middelkerke is a mass of ruins. It is a remarkable fact that 600 people continue to crouch there. The school is even still attended by 80 children. But every house has its underground refuge, such as the soldiers construct in the front lines. Shells still fall in the place almost daily.
 "Middelkerke is now in such a state that the Germans no longer take up quarters there, but prefer to live in dwelling holes burrowed in the dunes. Some streets always lie open to the French observers and gunners. Long walks can be taken in the southern part of the place, by winding cover ways that have been broken and dug out, half in, half under the earth, through garden walls, houses and cellars. A deep trench, is the only safe communication with the Westende watering place, where no house remains standing. In the village of Westende, which is if possible even more thoroughly knocked to pieces than the watering place, I noticed that the enemy's shells had spared the part of a wall of an inn on which was inscribed its name, 'In den Vrede' (The Peace Tavern)."

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Political Announcements
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 Announces his candidacy for Representative in Congress
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FRANK H. NORCROSS
 Announces his Candidacy for Republican Nomination
 For United States Senator.

A. H. HOWE
 Announces his Candidacy for Republican Nomination
 For United States Senator

SAM PLATT
 Announces his Candidacy for Republican Nomination
 For United States Senator

JOHN BARRIER
 Announces his candidacy for nomination on DEMOCRATIC TICKET for Treasurer of Nye County

P. C. FISLER
 Announces his candidacy for nomination on DEMOCRATIC TICKET for Justice of the Peace
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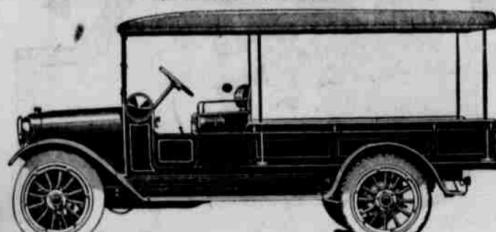
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