

STARS HOTTER THAN THE SUN

WASHINGTON (AP)—Estimating the diameters of ten of the brighter stars by separating their heat into a long spectrum and measuring the heat of the different colors and then calculating the probable temperatures of each of these heavenly bodies, was the work of Dr. C. G. Abbot, director of the Astrophysical Observatory of the Smithsonian Institution, during a recent series of field experiments, whose results have just been made public.

A star, having nearly three times the heat of the sun, was among those observed by Dr. Abbot. This was Beta Iliad, having an estimated absolute temperature of 16,000 degrees centigrade, compared with the sun's 6,000 degrees centigrade. Other stars observed with a greater temperature than that of the sun were: Vega, absolute temperature, 14,000 degrees centigrade; Sirius, the brightest star in the heavens, 11,000; Procyon, 8,000. The other stars were: Canopus, 5,800; Aldebaran, 3,900; Beta Pegasus, 2,850; Betelgeuse, 2,600; and Alpha Herculis, 2,500. The last two have an estimated diameter 500 times greater than that of the sun.

Dr. Abbot used in this work a radiometer, constructed under the direction of Dr. E. F. Nichols, pioneer in measuring the heat of the stars. Utilizing the giant telescope at the Mount Wilson Observatory in California, with its 100-inch reflecting lens, Dr. Abbot was enabled to obtain fairly accurate measurements of the heat of the different colors, even far into the infrared. Curves were drawn, indicating the spectral distribution in the radiation of blue, white, yellow and red stars, and estimates of their probable temperatures were made.

The man who said figures didn't lie never paid an income tax.



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Stokes Talks Horse Sense



The Right to be Well Born

Horse Breeding in its Relation to Eugenics

By W. E. D. STOKES

Author of "The Right to Be Well Born, or Horse Breeding in its Relation to Eugenics."

W. E. D. Stokes, multimillionaire, who is now on trial in Chicago charged with defaming his wife's character, is an author. Here is shown the cover of the book and how Stokes looked in 1902 on the flyleaf of "The Right to Be Well Born, or Horse Breeding in its Relation to Eugenics."

Light Is Sought on Benefits of Foreign Language Study Now

NEW YORK (AP)—The initial step in a three years' nation-wide study, aiming to make the teaching of foreign languages more effective in the United States, has been taken by a special investigating committee of the American Council of Education.

Questionnaires mailed to 29,000 secondary schools, asking for statistics on the study of French, German, Italian and Spanish will be followed by an investigation in more than 700 colleges and normal institutions in an effort to learn how far the average American needs foreign languages as a help toward understanding the English language, and whether modern language pupils use English more correctly than others.

An interesting feature of the study will be the use of delicate instruments to measure the movement of the eyes in reading foreign texts. Mechanical devices also will be tested as aids in the study of French, German and Spanish.

The committee will attempt to find out how many boys and girls use foreign languages after graduation, as well as the chief difficulties they encounter in learning these languages. Old and new methods of teaching also will be tried out.

Stagnation Visits Jarrow After Years of Activity

JARROW England (AP)—This once great industrial town on the Tyne, where it was scarcely possible to hear anyone speak for the clanging of hammers and pneumatic riveters has fallen on evil days and something like a ghostly gloom overhangs the place.

Famous years ago for its ship-building and steel works, turning out millions of pounds worth of ships and material, today 5700 workers out of a population of 26,000, are drawing the dole; there is only one ship on the stocks of the great yards, and many factories have been closed down for three years. Lack of trade, shortage of money and increased demand for war vessels and armaments are mainly responsible for the present depression.

We are living in hopes that spring will make people too lazy to work crossword puzzles.

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Co-defendant
Robert Lee is co-defendant with W. E. D. Stokes, millionaire, on the charge of defaming the character of Mrs. Stokes. Lee occupies a seat behind Stokes in the Chicago courtroom where the trial is being held.

SPENT WINTER AT THE COVE

COVE (Special)—Mrs. Arthur Feldman and daughter, Vada, and small son will return to their home in Portland next week. They have spent the winter in Cove with Mrs. Feldman's parents, Mr. and Mrs. A. Daniel.

Several people from Cove attended the O. A. C. concert at Union and La Grande recently.

Miss Ethel Quimby spent the week-end at Union the guest of her cousin, Miss Maryery Chisholm.

Mrs. A. O. Huntley left Friday afternoon for her new home at Myrtle Creek, about twenty miles from Roseburg. Mr. and Mrs. Huntley have made their home here for the past year and a half and Cove people regret very much their departure. Mrs. Huntley and her daughter, Miss Marian, will make the trip by automobile and Mr. Huntley will travel by train with their belongings.

Boosters of London Say That City Now Counts 8,000 Heads

LONDON (AP)—Recent unofficial estimates of the population of Greater London have put the figure at about 8,000,000. The London telephone area covers 725 square miles, and the metropolitan police district 631 square miles, and both are said to be growing rapidly. The distances across London, from various sections of the greater city, vary from 20 to 20 miles.

Mr. Kingsley Wood, M. P., speaking recently on the housing question, announced that the total number of houses authorized at the beginning of 1924 aggregated 198,803, and of these 12,109 had already been completed.

Many Londoners were confirmed town-dwellers, the speaker said,

On High Bench



At last a woman has reached the Supreme Court. Miss Dorothy Straus, New York, sitting in the high court accounting proceedings, is the first ever to be given power to hear and determine the result of such a case.

and a certain percentage of them always would be. They preferred the cinema of the country, and they disliked a long journey which cut into their leisure.

Without imitating the worst features of the American skyscraper it should be possible to erect dwellings with generous gardens or

ground space and with proper arrangement for decent living, and thus work out an eventual remedy to help relieve London's housing situation which, for generations, has been one of the city's most difficult problems.

Page School Promised Support for First Year

NEW YORK (AP)—Edward W. Bok, Philadelphia editor and philanthropist, has offered to pay the first year's expense, estimated at \$50,000, of operating the proposed Walter Hines Page School of International Relations at Johns Hopkins University, Baltimore. The announcement was made today by Owen D. Young, president of the board of trustees. Mr. Bok's nationwide campaign will be conducted in an effort to raise an endowment fund for the school.

Because of the Bok guarantee, representatives of the school said it will be ready to open for the next school year. The proposed budget of \$50,000 can be used almost entirely for the maintenance of professorships, scholarships, library, etc. None of the \$1,000,000 fund, which it is hoped to raise, is needed for buildings at the outset.

Mr. Bok, in a recent comment on the Page school said: "Any institution which means the development of the international mind in the United States will not only be a needful addition to our national

life, but an imperative one. Our isolation from other nations is over." The first sign of spring, as we warned last year, isn't reliable until you see the last sign of winter.

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