

BRIGHT RED STARS ARE YOUNG ONES; YELLOW AND WHITE STARS ARE ADULTS

Wisconsin Press Bulletin: Red stars in the sky are young stars and typical of youth they are quite irregular in the light which they shed. Tempered by father time the aged red stars get to the point where the variation of the light which they emit becomes more regular. They quite steady as they change into yellow stars or into early white life.

These observations are included in a study of the giant red stars which Prof. Joel Stebbins and Prof. C. M. Huffer of Washburn observatory, University of Wisconsin, have made over a period of two years.

Stars Change Colors.

The gradual change in cosmic life from red stars to white stars and back to red stars is one theory of evolution as applied to the heavens, explains Professor Huffer. The big red stars have a very low density, and the material of which they are composed are diffused throughout spheres whose diameters are millions or hundreds of millions of miles. Their low temperatures make them red. The range in color of stars is like the change in the color of a piece of iron. When heated iron is first red then yellow, then white. So a big red star is really cool, astronomically speaking, with a temperature of approximately 2,500 degrees centigrade. A star which has a temperature under 2,200 degrees isn't even visible.

Sun is Dwarf.

But as the young stars get older they contract and become hotter. A massive white star—a hot one—

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may have a temperature of 35,000 degrees. Then, if this theory of evolution is true, the hot stars will gradually become cooler, until they reach a dense state in which they are red again. These are the dwarf red stars.

Our sun is really a dwarf yellow star, and an average star. It is because it is only about 93,000,000 miles away. The planets in our solar system are also comparatively small and very near to us. They are visible because of reflected light from the sun. If they were far out in space among other stars they wouldn't even be visible.

What causes the irregularity of light coming from the big red stars is a question. Maybe it is due to spots like sun spots, caused by the storms during which hot material shoots out of the mass. Maybe, as Professor Huffer tends to believe, the variations are due to changes in density and in currents within the star.

ELLEN SMITH HALL GIVES HOMELIKE AIR TO AFFAIRS OF WOMEN'S ORGANIZATIONS



ELLEN SMITH HALL.

Ellen Smith hall, named for the first woman to hold a teaching position in the University of Nebraska, is the central headquarters for the work which is carried on by the university and other agencies for the assistance of women attending the institution. In this building, once a prominent residence prior to the extension of the campus, is located the offices of the dean of women, the secretary of the university Y. W. C. A., and quarters of several campus organizations.

The dean of women maintains a list of supervised and inspected rooms over the city where university women are permitted to stay during their attendance at the institution. The dean of women also assists women who are obliged to work their way thru school to find desirable employment, as well as attending to the general duties of her office.

Art of Highest Type May Supersede Signs At Harvard's Dorms

New York Times: Pilfered "no parking" signs, pennants, pictures of stage stars and similar decorations often associated with college boys' rooms may be superseded by art of the highest type at Harvard. Works of art, consisting principally of drawings and etchings, have been offered for loan to Harvard students for room decorations, without charge, by the Fogg museum of art, which is a part of Harvard university.

The purpose of the loans is to stimulate interest in art among undergraduates. Return of the borrowed pictures is required at the end of three months. All except freshmen are entitled to the privilege.

THAT WORD 'PRACTICAL'

Indiana Daily Student: "Practical" is a very comforting word for many men. It is so satisfying to the ego of those who are conscious of having had little theoretical training. It is their disposition, therefore, to condemn much book study and to emphasize the mighty value of common sense. They have popularized the idea that somehow theory and practice are in direct opposition.

What basis have these men for this point of view? That experience teaches men some things and teaches them well, there can be no doubt. But many of them have paid dearly for their knowledge both in time and energy, for if they have depended on themselves alone they have had to begin at the beginning. Theory presupposes a background of the experiences of others. It takes from this man the best that he has done and adds it to the best that others have done and then has gone into the reasons that these things are best. The result is theory or a statement based on the best experiences of the best men. Thus theory holds up a torch to men showing them both what to avoid and what to do.

How does it come, then, that many men despise theory as if it were opposed to practice? It is because men who have learned theory alone have trouble in making applications of their principles—albeit sound—to their particular job. For example, an advertising student learns that large space attracts more attention than small space; but, if, acting on this theory he should advocate for his employer the taking of full page advertisements in magazines and newspapers he might be doing something which the character of the market did not warrant. It is not that the theorist was wrong in principle, but wrong in his adaptation of it. The college man must learn to translate theories (which have come out of experience) back into experience once more. And it is an established fact that the college surman with his theories soon surman with his own who has only the passes the man who has only the result of his own experience to

Juniors Will Meet To Elect Officers University of Nebraska juniors will meet in room 197, Social Science hall, to elect minor class officers Wednesday, it was announced today by Cyril Winkler, class president. The meeting will be called to order at 5 o'clock. Officers to be named are vice president, secretary and treasurer.

BUSINESS SORORITY TAKES TWO COEDS

Phi Chi Theta, women's commercial sorority, held formal initiation at Ellen Smith hall Tuesday night. Two women of the business administration college were initiated, according to Florence Anderson, president. They are Evelyn Stotts and Marie McQuistan. Only girls of second semester sophomore standing are eligible for pledges.

GIRL SMILINGLY VIOLATES PRECEDENT BY TAKING DEGREE IN 'MAN'S' COLLEGE

"For men only" can no longer be said of colleges of the University of Nebraska which formerly were thought to offer courses for men only. Last year, for the first time in the history of the university, a girl was graduated from the college of engineering, Miss Meredith Ethel Thoms of Lincoln secured her degree in June in civil engineering.



Miss Thoms desires to do research work for some engineering company along the lines of design and architecture. She is a member of Pi Mu Epsilon, honorary mathematics fraternity. During her school work, Miss Thoms fulfilled her regular requirements for field work the same as a man.

Four other members of the 1929 class graduated from colleges which are ordinarily outside the field of effort for women. One graduated in law, one in medicine, and two in pharmacy. Other women have graduated in the past from these colleges but never before has one graduated in engineering.

During the past semester there were two women taking courses in law, six in medicine, fifteen in pharmacy, and three in engineering. The other two girls in the college of engineering were a sophomore in chemical engineering and a junior in chemical engineering.

While every year there are some girls taking work in lines of study which are not usually considered within their scope, the majority of women each year graduating from the University of Nebraska, have taken work in home economics, the college of arts and science, graduate college and the teachers college.

WIEDEMANN NAMES INTERESTING PLACES VISITED DURING TRIP TO ROME

(Continued From Page 14) quarry for the materials to erect their palaces.

Perhaps the most unique and gruesome place visited by Professor Weidemann was a chapel decorated exclusively with the bones of monks. Directly under the chapel is a cemetery where monks have been buried for hundreds of years. When the chapel was constructed the bones of about 4,000 of them were dug up and used in the adornment of the building. Skeletons, garbed in the robes of monks and holding crosses made of bones, are found surrounded by hundreds of skulls and other bones in the four rooms of the chapel.

Cercle Francais Will Meet This Afternoon

The Cercle Francais will meet in University hall 5 at 4 o'clock this afternoon for a program and discussion in French. The former will be followed by a brief business session. All students interested in the study of French are invited to attend the meeting this afternoon.

Geologists Return From Field Session

Prof. E. F. Schramm and a group of students from the University of Nebraska department of geology returned early this morning from Weeping Water, Neb., where they have been spending the past three days on a field trip. The group did practical work in general geology and topography.

CHANCELLOR WILL ADDRESS MEETING

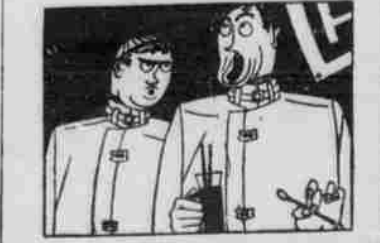
Chancellor E. A. Burnett will address a district meeting of the Nebraska State Teachers association at Alliance, Thursday, explaining "The Problem of the Freshman Student in College."

SOIL REPORTS PUBLISHED.

Reports on soil surveys in the Nebraska counties of Adams, Platte and Butler have been published and are available from the United States bureau of chemistry and soils in Washington. The work was done by the national government in co-operation with the conservation and survey department of the University of Nebraska.

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Electric Fan Heats Refrigerator Coils

An electric fan may be cooling but one actually warmed up a refrigerator used in a test at the college of agriculture. An electric fan was set in motion ten feet away from the refrigerator creating a current in the direction of the coils or condenser unit of the machine. When a checkup was made, it was found that the fan was blowing air in the wrong direction and keeping the coils hot instead of cooling them. The fan currents opposed those normally set up by the condenser unit fan.

Bar Association Journal Prints Lecture by Vold

The November number of the American Bar Association Journal, just off the press, contains as one of the leading articles of the month the address on "Legal Scholarship and Keys to Judicial Lawmaking," which was recently delivered by Prof. L. Vold before a meeting of

the Lancaster county bar association.

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