

The Indianapolis Times

EARL E. MARTIN, Editor-in-Chief
ROY W. HOWARD, President
ALBERT W. BUHRMAN, Editor

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WATCH THAT FIRE!

A SPECIALLY strong obligation lies on the people of Indianapolis to be careful these cold days about the hazards of fire in their homes and places of business.

Citizens owe to themselves a practice of extra precautions when low temperatures require extensive firing of heating plants. The greater the heating energies demanded, the greater the hazard that something will give way and cause trouble.

Moreover, the ravage of fire or water, or both, in such weather as we have been having inflicts unusual inconvenience, not to say severe discomfort upon those who fall prey to it.

Even if some citizens do not concern themselves with the danger of their own property and persons, they should have kindly consideration for members of the fire department. Fighting fire when the mercury is around zero or below is attended with acute physical suffering and with unusual peril to life.

It should go without saying, of course, that every property owner or renter who carries fire insurance is under a moral obligation to every other insured person to take all reasonable safeguards against fire. The size of fire insurance premiums is regulated in part by aggregate losses from fire and in part by the measure of immunity from fire which the insured property appears to have as reckoned on an actuarial basis.

THE ODDS ARE ON BOK

THE United States Senate has investigated the Veterans' Bureau and the evidence is clear that millions of dollars of taxpayers' money has been wasted and stolen.

And yet nobody has gone to jail and so far as is known the law enforcing department of the Federal Government has taken no steps to prosecute the wasters and thieves.

Two years ago, the Interior Department gave away (so far as payment to the public is concerned) naval reserve oil lands worth millions. This infamous transaction in popular parlance is "The Teapot Dome Scandal."

For months the United States Senate has been investigating Teapot Dome and the evidence is perfectly clear that back of that deal was knavery of the rankest sort.

As yet nobody has gone to jail for Teapot Dome and so far as is known the law enforcing department of the Federal Government has taken no steps to prosecute the knaves, either official or civilian.

Now the United States Senate has started to investigate Edward Bok for the heinous crime of spending a hundred thousand dollars of his own money in the cause of world peace.

If we were asked to bet which of the three—the Veterans' Bureau thieves, the Teapot Dome knaves or peace idealist Edward Bok—is the first to suffer punishment for his crimes, we would bet on Bok.

Prosecution and punishment of Bok would reflect no discredit on the present Republican Administration, which seems to be the controlling factor in halting sensational Senate investigations and Department of Justice prosecutions.

ILLITERACY AND INDIANA

ILLITERACY in America is due to the neglect of education, a lecturer said in Indianapolis the other day. This may be true in other parts of the country, but it certainly does not apply to Indianapolis and Indiana.

A few days ago The Times printed a chart showing the percentage of increase in enrollment in Indianapolis high schools. It revealed such a growth in the last few years as never before has been experienced.

Compulsory education laws compel children to go to grade schools. So many are continuing their education that high schools are crowded to overflowing. There is an ever-increasing demand for more room.

As the high schools grow, the college and university enrollment grows. We are rapidly becoming a more educated people.

The percentage of illiteracy may be high, as the speaker indicated, but certainly the percentage of persons with education above that afforded by the common schools has increased enormously.

WHY DAUGHERTY WON'T DO

SENATOR WALSH, after smoking out evidence of misconduct in the lease of the naval oil reserves by former Secretary Fall, objects to having the cases turned over to Attorney General Daugherty for legal action to recover the Navy's oil supply.

And rightly so.

Citizens who want to see this wrong righted must agree with Walsh when he says Daugherty won't do.

Daugherty was appointed to his Cabinet job because he had been a good political manager and because he knew how to pass out political jobs to party advantage. He was a good fellow, a mixer, a politician. That has been his way of accomplishing things.

Daugherty's record, since he became Attorney General, is one of consistent loss of the public's cases, one after another, until today the morale of the Department of Justice is at ebb level.

Daugherty came into office with promises, both from himself and from his party, that the war and food profiteers would be prosecuted until they were jailed and their practices stopped.

What happened? The aircrafts fraud case was dropped. The cases against the packers, accused of overcharging the Government during the war, came to naught. The Morse case was lost. The harness case, keystone of the surplus Army sales cases, was thrown out of court. The cantonment cases have been forgotten. And the sugar gougers are still on the job, gouging away.

To make Daugherty's position worse, he and Fall have been close friends in the Harding Cabinet.

With that record, Daugherty won't do to handle the case of the public versus the private exploiters to recover the Navy's oil.

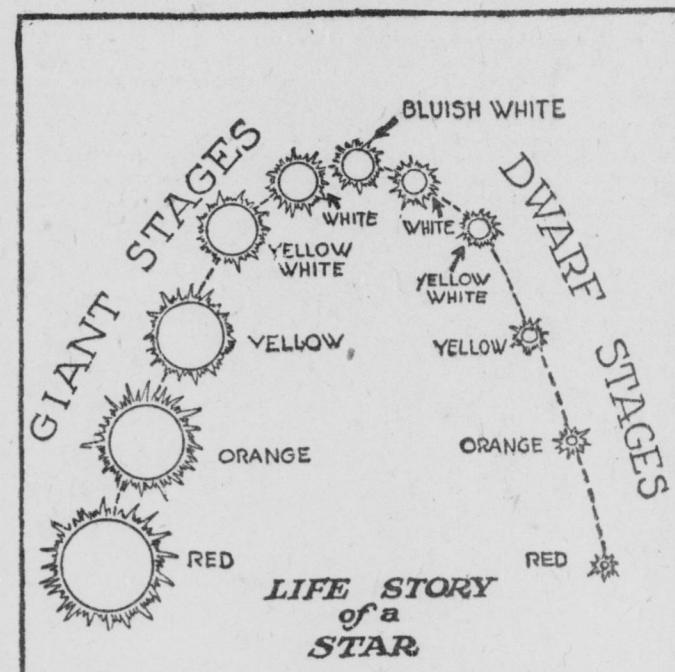
THERE were 24,000,000,000 telephone calls in this country last year. That proves the line really was busy.

A PARIS prophetess says this is to be a very unhappy year. She, no doubt, has seen the new spring styles for women.

A SCIENTIST says man's origin was in Europe, showing that, even at that early date, his judgment was very defective.

LARGEST STARS ARE REDDISH IN COLOR

Magnitude Indicated by Size, Temperature and Distance
From Earth, Scientists Observe—Theory of Evolution.



THIS DIAGRAM ILLUSTRATES THE EVOLUTION OF A STAR FROM ITS BEGINNING AS A GIANT RED STAR TO ITS END AS A DWARF RED STAR.

By DAVID DIETZ
Science Editor of The Times
Copyright by David Dietz

GLANCE at the sky serves to show the stars are not all alike. Some are brighter than others. The astronomer calls the brightest stars first magnitude stars, the next brightest second magnitude, and so on.

Two factors contribute to the magnitude of a star. First, its size and temperature. Secondly, its distance from us.

But careful observers also will notice another difference in the stars. They differ in color. Orion is bluish-white. Sirius is white. Capella is golden yellow. Acturus is orange. Betelgeuse has a reddish hue.

It is natural to assume that the

color of a star is an indication of its temperature and careful astronomical work supports this view.

The red stars, it has been found, fall into two classes. The largest stars are red. And so are the smallest.

Betelgeuse, for example, has a diameter of 215,000,000 miles. Antares has a diameter of 400,000,000 miles. And, on the other hand, some red stars have a diameter of only one-third that of our sun.

Colors Alternate

Stars of other colors fall in regularly between the large and small red stars.

From these facts, Dr. H. N. Russell, the American astronomer, has formulated a theory of stellar evolution, which is now accepted by practically all astronomers. It called the giant-dwarf theory.

According to this theory, a star called a giant red star.

These stars, though large in size, are extremely thin in composition, consisting of gaseous material.

Due to the star's gravitational pull upon its own material it begins to contract. This contraction increases the pressure in the star and as a result the temperature is increased. Increase in temperature changes the color of the star.

The surface temperature of a red star is about 2,850 degrees.

When the temperature reaches about 4,250 degrees, the star changes to orange in color.

At about 6,000 degrees it becomes a yellow star like our own sun. At 7,000 degrees, its color is yellow-white. At 8,000 degrees it becomes white and at 10,000 degrees bluish white.

Bodies Grow Cooler

But now a turning point is reached. The pressure in the star becomes so great that the interior of the star begins to liquify. From now on, contraction, with its consequent increase of pressure, causes the star to grow cooler instead of hotter. Accordingly the star goes backward through the stages just outlined, ending again as a red star. But now the star has contracted into a very small red star, known as a dwarf star.

An examination with the spectroscope shows differences in the chemical condition of the different types of stars as well as differences in temperature. For convenience the astronomer has classified the six different types of stars as follows:

Bluish white, Type A; white, Type B; yellow-white, Type C; yellow, Type D; orange, Type E; and red, Type F.

Next article in series Double Stars.

SCOFFWIT

WITH these rapidly changing times we realize more and more the necessity of rewriting the dictionary. Some birds invent the word SKOFFLAW and gets \$100.

At that rate every poor professor can quit talking of his wealthy relatives and boast of his rich vocabulary.

Poor old Webster will never know how narrowly he escaped being the world's first millionaire.

Anyway, we've decided to grind out \$1,000 worth today:

SKOFFBLOND—A blonde young man.

SKOFFGAS—A bird that borrows his oil from passing autolists.

SKOFFGRUB—A fat lady on a diet.

This one should be worth \$200.

TEAPOT DOME—A guy with oily hair.

EDITORIAL

Temperamental folk should remember that poets and artists are used to going without food and living in a garret.

AUTO NEWS

From the various automobile shows comes information that auto tires are running into millions now. That's just the trouble.

FASHION NEWS

New York style show announces one-half-piece bathing suit. Another reason for continuing that diet.

OUR HOROSCOPE

Parents born on this day should not leave their offspring out in a blizzard.

Politicians whose birthday this is do well to have nothing to do with oil leases.

People born on Feb. 29 will grow old less rapidly than those born on other dates.

SOCIETY

We read that Mr. M. Rafschinski is changing his name. Let's hope he had nothing to do with it.

WASHINGTON BUREAU

Mr. Bok says he's ready to put up another prize. Peace at any price.

WAR DISPATCH

On the eve of Washington's birth-day we read that Gus Cornwalls surrendered to the Chicago rum squad.

BEDTIME STORY

"Just one more hand and then we'll all go home."

ADVERTISING

Gumshoe, the missing pipe, is more missing than ever.

Does advertising pay? Hearken! Janitor, after reading this notice, writes us he saw friend wife throw something in garbage can.

Reward not so liberal today.

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