

EXPERT TELLS WHY ECLIPSE TAKES PLACE

Moon Gets in Earth's
Shadow and Shuts Off
Sun's Light.

This is the second of three articles on
the eclipse of the sun on Aug. 26.

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WASHINGTON, Aug. 27.—One of
the most frequent questions is
"What causes the eclipse?"

The moon revolves around the
earth in its own path, called its orbit.
This orbit almost is circular, and the plane of this orbit passes
very close to the sun.

The moon has no light of its own.
What we see is the reflection of the
sun's brilliant light from the face of
the moon, as a light is reflected from
a mirror.

The moon is more than 2,000 miles
in diameter, and of course no light
can pass through; therefore, the
side of the moon away from the sun
is dark, and the moon's shadow, like
an enormous cone with the moon as
its base, sweeps through space as the
moon travels its orbit.

Gets in Other's Shadow

The earth is about 8,000 miles in
diameter, and it does exactly the
same as the moon. The side of the
earth toward the sun is illuminated
brilliantly, and heated by the
warmth of the sun. The side away
from the sun is dark. We say it is
night time there.

The shadow of the earth is another
enormous cone of darkness
swinging through space as we travel
our orbit.

As these two bodies speed through
space with tremendous velocity, occa-
sionally one gets in the other's
shadow.

This can happen only when the
sun, moon and earth are in a
straight line.

Whichever is in the middle blocks
the sunlight from the other.

If the moon is in the middle it
blocks the sunlight from the earth
and we say there is a solar eclipse.
But if the earth is in the middle
we block the sunlight from the
moon and we say there is a lunar
eclipse.

The moon travels around the earth
once in twenty-eight days. The
moon's speed to make the trip
averages about 1,112 miles per hour.

Eclipse Time Is Short

The earth is spinning at the rate
of 1,000 miles per hour so that you
can see that a new section of the
earth's surface is being continuously
brought within the shadow of the
moon's cone during the period of
the eclipse. The earth also is travel-
ing along its own orbit around the
sun.

The result of all these motions is
to make the time of the total
eclipse at any point very short.

The relative motion causes one of
the most awe-inspiring manifestations
of the total eclipse. You suddenly
are plunged into darkness. All living
things seem to hold their
breath; and over all these spreads
a deathlike silence which is un-
canny.

Almost immediately, the wonder-
ful spectacle is over, the swiftly
moving bodies—moon and earth—
get out of line with the sun.

The sun again appears as a thin
crescent, rapidly grows, and the
eclipse is a matter of history.

PLEDGE LOAN CAPITAL

City Associations Raise \$800,000
for New Federal Bank.

Pledges totaling about \$800,000 for
stock in the new Indianapolis federal
home loan bank had been made by
Indianapolis building and loan as-
sociations, it was announced today
by Fermor S. Cannon, Marion
County Building and Loan Associa-
tion president.

Pledges have been made by forty
of the fifty-one associations in the
city.

The Boat's In—



FAIR WARNING! QUIT HOARDING DERBY BALLOTS

Votes Will Be Dated After
Tuesday; Race Still Is
Torrid One.

SKULL STANDINGS

Tom Quinn	2,835
E. W. Mushrush	2,073
Earl Clegg	1,436
E. Kirk McKinney	1,382
W. E. "Bill" Williams	314
Billie Green	238
Judge Frank F. Baker	224
Police Chief Merv Morrissey	224
Howard M. Meyer	184
Judge William H. Shearer	184
Bob Pogue	172
Clarence "Push" Marvel	172
Harry Bacon	102

ALL UNDATED BROWN DERBY
BALLOTS MUST BE IN THE
INDIANAPOLIS TIMES OFFICE BY
TUESDAY MORNING.

Read that and weep, you derby-
ites who have been hoarding, a
miser's greed, those square votes
with the "kelly" on them.

After an all-night session atop a
casket in Mr. Sweeney's morgue, the
Brown Derby judges decided to date
balloons in the contest to select the
city's most distinguished citizen, be-
ginning Tuesday morning.

Dated ballots must be cast in The
Times office within twenty-four
hours of their date. That means
that Tuesday's votes must be in
The Times or in the mail by mid-
night on next Wednesday.

Here's Another Rule

Now for another rule in this un-
lucky contest.

Monday but ten names, the ten
highest, will be printed in the
Skull standings. Any one at any
time can edge into those standings
if hemostats votes enough to cut
out the low man.

It will be the last guillotine to fall
until the close of the contest.

The close, set tentatively for next
Sunday—Sept. 3—may be extended
to Sept. 6. The winner will be
announced the day following the
contest's close and he will be
crowned the night of Sept. 8—
Governor's day—at the Indiana
state fair.

It was a three-horse race up to
press-time today between Tom
Quinn, "Cootie" McGinnis, and E.
W. "Foxrot" Mushrush.

Watch for Dark One

But strong rumors persist that
out of the pack will come a Derby
entrant that will flash toward the
finish line an easy winner. Who is
he? Yeah, who?

Watch each edition of The Times
for standings, to get balloons, and to
hear the latest bulletins from the
unjudicial ravings of the judges,
who never judge a porcupine in a
brisk show.

Vote for Blank Blank or John Doe
or anyone today to wear the
BROWN DERBY, receive the
plaque, at the fair on Sept. 8.
You'll hear oratory you never heard
before at his coronation and some
oratory you'll never hear again.

Get going!

KOKOMO MAN CHOSEN MECHANICS' COUNCILLOR

A. H. Dickey Elected as Order
Closes State Parley.

A. H. Dickey of Kokomo was elected
as councilor of the Junior Order
of United American Mechanics as
the final session of the organization's
state convention Friday in the
Denison hotel.

Others named to office were Stan-
ley Powell of Rising Sun, junior
pass councilor; Paul Ford of Indian-
apolis, vice-councilor; Clifford
Becker of Indianapolis state council
conductor; Harold Shuck of
Marion, state council warden; Har-
old Smith of Peru, inside sentinel;
William Nicely of Muncie, outside
sentinel, and Charles Chapman of
Shelburn, state council chaplain.

Those elected national represen-
tatives were L. R. Smock of Terre
Haute, S. W. Powell of Rising Sun,
and Dr. William Cullum Squires of
Richmond.

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THE INDIANAPOLIS TIMES

BUSINESS AND INDUSTRIAL NEWS

Pleasure Added to Auto Trips by New Type Radio

Distant Stations Can Be
Tuned In Clearly by
Improved Set.

Installation of radio on motor
cars has added a great pleasure to
driving and relieved the tedious
monotony of long drives.

Like a great many other ideas, the
working out of this idea was not so
successful at first, for there is a vast
difference in the installation of a
radio in a quiet house and the in-
stallation in a running piece of ma-
chinery.

Engineers have worked out a
radio especially designed for this.
It is not an adaptation of some-
thing else, but a specialty for this
purpose alone. It is the Motorola
auto radio, distributed by Kruse
Radio, Inc., 33 West Ohio street.
This company, which has been oper-
ating twelve years, is headed by C.
J. Kruse, president, and E. L. Kruse,
vice-president.

It sells the Motorola, the Sparton
radio, Sparton mechanical refrigeration
and radio parts and accessories,
and maintains a service de-

partment that is among the best
equipped in the state.

The Motorola is claimed to be the
only self contained all electric
motor set on the market, with no
"B" batteries and no eliminator to
install. Sets are made in eight
tubes and in sixes. Each has per-
fect automatic volume control, full
dynamic speaker and balanced units.
It is declared to be of ex-
treme sensitivity and amazing
pick-up of distance.

Installations can be made without
marrying the car in any way, with
the convenience of an illuminated
tuning dial on the steering post
as easy to tune in as sounding the
water.

Company officials say the easiest
way to convince motorists of the
superiority of the Motorola is to
hear it. Being especially designed
for motor use, the set has many
features that will be of interest to
radio fans.

Convenient terms can be given
by dealers in Motorola, and espe-
cially by Kruse Radio, Inc. A visit
to their retail store you will obtain
full information, and the motorist
can see for himself the superiority
of a radio set intended exclusively
for motor use.

MINERAL WATER IS HELD TO BE HEALTH BENEFIT

Advantages of Resort Now
Are Available in Crys-
tal Form.

Texas is remarkable for a number
of springs of unusual advantage to
the rest of the world. Among these,
perhaps the most remarkable is the
water at Mineral Wells.

In fact, Mineral Wells already has
become one of the outstanding
health resorts of the world because
these palatable and efficient eliminative
waters exist there in such
abundance.

The water is sought by persons
suffering from such ailments as
rheumatism, high or low blood pres-
sure, diabetes, neuritis and diseases
of the stomach, bowels, kidneys and
liver. Amazing