

Dietz on Science—
**TUNGSTEN MAY
SOLVE RIDDLE
OF COSMIC RAY**

Substance to Be Used in
Chicago Flight to
Stratosphere.

BY DAVID DIETZ,
Scripps-Howard Science Editor
A little block of solid tungsten obtained by Dr. Arthur H. Compton, the cosmic ray expert, on a visit last week to the Neia Park laboratories of the General Electric Company in Cleveland, may solve the riddle of the cosmic rays and end the controversy over their nature.

Dr. Compton came in from Chicago to get the tungsten block for one of the instruments now under use in the balloon ascent to the stratosphere which Dr. Jean Piccard and Lieutenant Commander T. G. W. Settle are scheduled to make from Soldiers' Field, Chicago, before the end of the month. The tungsten block is a few inches long and a couple of inches thick.

The particular piece of apparatus in which it will be used will measure how many cosmic rays are absorbed by it.

Given Previous Tests

A similar instrument was used not long ago by two German experimenters, Kohlhorster, it is interesting to note, was one of the pioneer students of cosmic rays, beginning his studies about twenty-five years ago.

The two Germans used a block of solid gold in their apparatus. Dr. Compton, however, decided that gold was a little too expensive, and so decided on tungsten instead.

The reason for using some very heavy material like gold or platinum or tungsten is that the cosmic rays penetrate the light metals with too great ease.

The instrument is a modification of what is known as a "coincidence counter." The coincidence counter consists of two small tubes of steel containing air or argon gas at high pressure. The two tubes, which are placed one above the other, are enclosed in a heavy lead shield which only cosmic rays can penetrate.

Direction Is Determined

When a cosmic ray enters either tube, it ionizes or electrifies the gas within it. This fact is registered upon delicate electric recording devices known as electrometers, which are connected with the tubes.

The apparatus is used chiefly to observe the number of rays which penetrate both tubes. These coincidences are caused by rays coming from the direction in which the apparatus is pointed, since these are the only ones which can pass through both tubes.

The apparatus, therefore, can be used to explore the direction from which the rays are coming.

The two German experimenters, after measuring the average number of rays coming from a given direction then placed their block of gold between the two tubes. If now a smaller number of rays are detected in the second tube, it means that those which fail to reach the tube have been absorbed by the block of gold.

A process for sealing and coating red cedar lumber with paraffin to retain the cedar aroma, especially adaptable to cedar closets, has been developed by a government scientist.

**RITE'S
WATCH
REPAIRING
NEW LOW PRICES
ALL WORK GUARANTEED**

Cleaning 99¢
Main Spring 99¢
Balanced Staff 99¢
Any Jewel Replaced 99¢
Round Crystal 14¢
Fancy Crystal 29¢

Fine Jewelry Repairing
At Lowest Prices in the City

RITE'S
43 S. Illinois St.

ARE YOU A
MARKED MAN?
IS YOUR FACE COVERED
WITH UNSIGHTLY RASH
OR PIMPLES?

You need no longer suffer or be
humiliated about what
Mr. George H. Doer, 4129 Byram
Avenue says.

I certainly do recommend JO-DA-SOL to any one suffering with any kind of rash or pimple.

I had a breaking out on my neck
and tried almost everything anybody
would recommend.

JO-DA-SOL did the work in less
than a week.

GET A BOTTLE OF JO-DA-SOL
TODAY AT ANY OF HAAG'S CUT
PRICE DRUG STORES.

JO-DA-SOL

**\$1 RENT A
PIANO
PEARSON**
Piano Co. 128 N. Penn.

**SPECIAL
PAINLESS
EXTRACTION 50¢**
The PEOPLES DENTISTS
36½ W. WASH. ST.

Men's and Women's
**CLOTHING
ON EASY CREDIT**
ASKIN & MARINE CO.
127 W. Washington St.

BOY, 6, HIT BY ROCK
One Other Child Falls Down Stairs,
Injures His Head.

Leslie Morgan, 6, of 2119 Gent
avenue, was given first aid by police
and taken to city hospital Thursday
after being hit on the head by a
rock thrown by a playmate.

Albert Johnson, 7, of 120 South
Hancock street, fell downstairs at
his home Thursday night injuring
his head.

Bob Manix, 18, of 2424 North

Meridian street, was treated at St.
Vincent's hospital Thursday for a
lacerated right ankle. A horse
which he was leading along DeLong
road in the 5700 block stepped on
his ankle, he told police.

St. John's Homecoming Set
A homecoming festival to which
all former members of the parish
are invited will be held Saturday
afternoon and night by St. John's
church in the school yard at Cap-
itol avenue and Georgia street. A
dance and card party will be held
and a lunch served.

Albert Johnson, 7, of 120 South
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Bob Manix, 18, of 2424 North

PASTOR TO BE SPEAKER
Address Will Be Made at Session
of Probation Group.

Members of the State Probation
Officers' Association will hear the
Rev. Carl H. Barnett, pastor of
Central Christian church of Le-
banon at a meeting at 10 Saturday in
the Sevier.

Mr. Barnett was executive secre-
tary of the committee on delin-
quency of the social service com-
mission of the Federal Council of

the Churches of Christ in America
from 1923 to 1925, and for the last
four years has been probation offi-
cer of Boone county.

Five Bathing Suits Stolen
Two boys, 15 and 10, stole five
bathing suits from the store owned
by Mrs. Mary Meyer, 1809 South
East street, Thursday while she was
in the back part of the store. The
suits were valued at \$7.

Canned baked apples add another
ready-to-serve food to the rapidly
growing list offered to customers.

HEAD WEST IN WAGON
"Prairie Schooner" Carries Family
of Five Toward Arkansas.

By Times Special
PERU, Ind., July 14.—Adopting a
mode of travel popular in Indiana
more than half a century ago, an
unemployed Peru family was en-
route to Arkansas in a covered
wagon today.

The father, W. A. Squires, plans
to make application for a land claim
in the south and find work cutting
timber. He was accompanied by
his wife and three children.

"Until we find a new home and
work we'll have no rent or taxes
to bother us," Squires explained
before he left.

Sherman Marcher Is Dead

NOBLESVILLE, Ind., July 14.—
S. F. Noble, 89, another Union vet-
eran who marched with Sherman
to the sea, died here Thursday
night at the home of his daughter,
Mrs. Charles Devaney. Out of 2145
Hamilton county men who entered
the Civil war, only fifteen still are
living.

The recreation department of the
city and Leisure Hour clubs will co-
operate tonight in a program at the
auditorium of Garfield Park.
Included in the entertainment will
be specialty numbers by the Devore
sisters, Ace Bailey and his Rhythm
Aces, Bonnie Elyland, blues singer;
Old Doc Sunshine; Jessie Hall,
whistler; the Nightingales, instru-
mental quartet, and the WKBF barn
dance string band.

Due to
Our Low
Prices
We Reserve
the Right
to
Limit

8:30 to 12 A. M.

**PAY
CASH
AND
PAY
LESS**
HERE Corner Washington and Delaware Sts.—Where There Is No Inflation!—OPEN SATURDAY 8:30 A. M. to 9:30 P. M. Quantities

Store Without A Name

BOUGHT AT
AUCTION

1 to 5 P. M.

AFTERNOON SPECIALS!

Women's
H'dkerchiefs 1 1/2¢

17x33

Window Screens 15¢

36x6 Green and Tan

Window Shades 7¢

27 Inch

GINGHAM Yd. 4¢

16-Oz.—39¢ Bottle

Rubbing Alcohol 11¢

Saturday and Monday Bargains

PART OF THREE BIG STOCKS!

Saturday and Monday Bargains

SEASON'S BEST VALUES

VALUES
YOU WILL
LONG
REMEMBER!

Clearance of Summer Pants

Slacks, Cottons, Seersuckers, Stripes, White Duck, Linen Knickers

ALL PANTS MARKED FOR QUICK DISPOSAL

Clearance of 265 Pr. Boys'
SUMMER KNICKERS 15¢

Some Straight Pants in Lot—Balcony.

Men's Reg. 19¢
**SHIRTS or
SHORTS**

Fine ribbed shirts and fancy shorts. EACH
Main Floor.

10¢

**Men's DRESS
SHIRTS**

Neck band and collar attached. Sailed from handling. Broken sizes.
22¢

Up to
\$1.49

Sizes 29 to 42. Many smart patterns.

Bought from a Leading Indpls' Dept. Store

THE ENTIRE BALANCE OF THEIR SUMMER MILLINERY STOCK!

Hats That Formerly Sold Up to \$7.50 in This Sale!

This is without a doubt

the most exciting Hat Sale in our entire history.

• Cotton Pique

• Silk Crepe

• New Straws

• Cool Linen

• Turbans

• Sailors

• Wide Brims

• Little Brims

• Silk Pique

2nd Floor

A Hat for Every
Style Dress!

• Sport Wear
• Street and Business Wear
• Sunday and Evening Wear

For Juniors
For Misses
For Women
Every Style
All Head
Sizes

We are prohibited from men-
tioning the seller's name.

**Lot No. 2
HATS 19¢**

Lot No. 3
HATS 49¢

Values to \$7.50. Every style, all colors.

You will grab them at this price.

Lot No. 2
HATS 19¢

Lot No. 3
HATS 49¢

Values to \$7.50. Every style, all colors.

Be here Saturday morning at
8:30 sharp for best selections.

YOU WILL RECOGNIZE these
quality hats as soon as you
see them.

8:30 sharp for best selections.

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