## cw yalkin dipple

VOL. XXVII.
YADKINVILLE, YADKIN CO., N. C., THURSDAY, MAY 5, 1921

CUAL STRUCTURE BEING STUDED

Bureau of Mines Conducting Mioscopic Investigation a Piltsburgh Station.

- OLD TESTS ARE UIPELIABE

Reinhardt Thiessen, Research Chen ist, Says Scientists of the Past
Only Had a vague Idea of

Washington.-Concesthons of the or-
coal heosition by sad generat naiture
It is a difificultent matter contradtetetiory that
real extent of knowledge available
to rely on the literatare, says Rein
hardt Thiessen, rescarch chemist

## osition of coal, the origit of its con- attuents, the transformation they have ndergone, and the conditions they ow are in.

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clear
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bedge
ns we

## or the structure of coal. Onie of great hindrances to its study, from th time of the earliest nvestigators the present, has been the difticuly

 the present, has been the diccurypreparing thin setions for microsopic
obsarvation. Many atterpts had bee
made to overcome this difficult, an
also to devise other menns of study.
For a number of years the ash met od was pursued, bits of coal being e
ther totally or partly burned and the
nesh examined under the microscop
Later, maceration was tried with som
success, but on the whole it failed to success, but on the who
reveal the true nature reveal the true nature of coal. Mor
recenty the method was tried of so

tening the coal with reagents :nd the | crotom |
| :--- |
| too mu |
| besides |

of the methedu's work an aduptatio years by petroloriste successth in and paleobotanists in studylo Was emplo
piece of the planed and polished on amined wa lide with a mixture of Canad and marine glue. The.ppiece, was barcua
to a safe thickness on a lapidar Wheee and was finally ground
parent thinuess by hand on a fil Exentinations were then on a fine throne
Ehe wiferoscone at magn
up to 2,
The burea
naked eye a bed of even with the ath is readily seen of any bitumita banded, and
at of coal is seen to be high aminated and comiposed be highly varying greatly in thickn
color, texture and fracture
There are generally described two kinds of coal with re spect to its texture; compact coal a
mineral charcoal or mother-0f-coal. the compact coal, in general, two kind

 pearance and breaks with a conchoidal
smooth, shiny fracture. The other crayigh plack, of are. duly 'appearance
and breaks frregularly. The former
 8.


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ber of sroups so compssed of a nu
ents, most of which can be constitu
efdentinted and their erigin deterninine
 resing, remains of cuticleq, highily car
hotizeg material rodets and some min
cral matter. A11 are readily distin
$\qquad$ kep then all. They say so,
Sarnioia said in broken English. Jobn F. Robinson, retired cir-
cus owner, died at his winter home in Miama, \&Florida, fast
Saturday. He was 77 years old and is survived by two children
John F. Ir, and Mrs. H. F. Srevens, of Clncinnati. Burial was at Circinnati Monday.
 ave, it is thought, committed forty burglaries in the past few
months in that city. The sang had a system for carrying on heir work.

NOW PASS UP "FIZZ" Bon Vivants of London Lose Taste for Champagne.

$$
\mathrm{Cafe}_{\mathrm{Rec}}
$$



Ar. Blair is the new Interral Revpnue Commissio sten-Salem.

| STATE. NEWS | The American Bankers Assso ciation is holding a convention in Pinehurst this week. |
| :---: | :---: |

Durham had a $\$ 30,000$ fire the
ast week. when a
business Charles White, of
f Alexander Bus ho
Bugs have destroyed thous- Wilkes county will hold its ands of tobacco plants in Stokes andual Conferlerate Vetran's Re with a shortage of plants.
with a
The
county coun
rain
noon
The barn of A . R Reece
Cool Springs, Iredell county, was destroyed by hightning last Wednesday afternoon.
Carl F. ${ }^{\text {N }}$ Nissen, member of the
ston-Salem, died suddenty ston-Salem, died suddenly at his
home there Wednesday.
Men'sisuit madic of paper are
Men'sisuit made of paper are
being exhibited at Statesville
and Kinston stores. They retail
and Kinston stores. They retail durable texture.
A motion picture fflm corporation has been organized in Winston-Salem. They are filmhe city.
The home and school inprovement campaign in Iredeil county came to close Saturday with a bigtcelebration. Govern or Morrison made the address. Kinston and Statesville mer uits. They are of pzer manufacture and retail $\$ 1.20$ or coat and pants.
Col. Iredell Meares, of Wilmington, has been appointed special assistant to the attorney year with all traveling expenses, Eli Hartman a well-known armer of the Advance section of in a small pond near the Yadkin
river Friday. He was subject to
epilepsy and it is supposed he
suffered an attack and fell into suffered an attack and fell into
the pond while fishing. He was 48 yars old and is survived by a wife and two children.

Derived From Plants.

