TRISTATE RAMBLES

By GEORGE M. MORELAND

You know it's quite the thing to be a local historian. Dr. George C. Brun-ner, indeed "a chip off the old block" for he is a son of Dr. John C. Brunner, one of the greatest geologists who ever lived, is making an unassuming but valuable work in Arkansas. This is a departure from the usual method of geologic work, but does not appeal to the average man. But many are interested in the earth sciences, and it is a laborious task. There are few who are interested in the total traits for the use of men and women, which have been made traditionally by the Arkansas Geological Survey. It is supported by the Arkansas General Assembly, and the details of the work are to be found in the "Upper Cretaceous Strata of Arkansas." If you ever want to read that scholarly treatise, for all I know that after all, I wasn't so "dumb" as I always appeared to be. I'll be dead and they'll never know the difference between now and then, and that's all that matters. I'm sure that the publisher paid for printing the book and the city should not be blamed for the title. The title of this book which I have reviewed is "Upper Cretaceous Strata of Arkansas," and I don't know how many times I've heard the name of Little Rock about the back of the book, because I'm sure the publisher paid for printing the book and the city should not be blamed for the title. The title of this book which I have reviewed is "Upper Cretaceous Strata of Arkansas," and I don't know how many times I've heard the name of Little Rock about the back of the book, because I'm sure the publisher paid for printing the book and the city should not be blamed for the title.

URGES CAMPAIGN TO BUY DIAMOND CAVE

Dr. Brough Will Try to Raise $65,000 to Acquire Property for State.

Dr. C. H. Brough, former governor, extension lecturer for the University of Arkansas, who is spending a vacation with Mrs. Brough at Roaring Springs, is pushing a state park bill with the support of the Arkansas Highway Commission, will appeal to the citizens of the state to aid in raising $100,000, which will be paid to the Diamond Caves in New, and 50 acres surrounding it, and the present property to the state at a price of $65,000. Dr. Brough is a member of the State Park Commission.

Diamond Cave, Dr. Brough said, is one of the six great caverns of Little Rock. It is three miles of passages, in which there is a half mile of the most beautiful and imitable stalagmites and stalactites in the state. The cave was discovered by Sam Huddleston in 1849, and the land occupied by the cave was homesteaded in 1861 by James White. It was bought in 1903 from the heirs of James Huddleston by Jesse Prouty for $25,000, and sold to Dr. Brough in 1905 to the Diamond Cave Corporation for $4,100, including the 40 acres surrounding it. The corporation bought 200 additional acres and improved the property.

When Dr. Brown talked to Mr. Mosley about improving the Diamond Cave, he offered to buy the property and pay the money, and the property was sold to the state for $65,000. Dr. Brough said he would like to see the property purchased for the state and presented to the state.

SEISMOGRAPHER FOR COLLEGE ASSURED

Instrument to Be Installed at Local Institution Soon, It Is Announced.

The Department of the Interior announces the appointment of a seismographer for Little Rock College. The position is a part-time job, and the salary is $3,000 per year. The seismographer will be responsible for the operation of the seismograph and for the interpretation of the data. The position will be open to qualified applicants. The deadline for applications is January 1, 2024.

MINERAL WEALTH OF ARKANSAS IS OF IMPORTANCE

Arkansas is one of the most important mineral states. Its most valuable product is petroleum, which was discovered in the south in part of the state, adjacent to the producing area.

MINERAL WEALTH OF ARKANSAS IS OF IMPORTANCE
Story of one Indian Lovers
Revived After Findings
Near Diamond Cave.


The story of the love of two Indian lovers, as told by the Zanakans, the Zanakan tribe, is revived after the recent discoveries near Diamond Cave. The story is said to be based on the legend that the Zanakans covariance a family of the Zanakan tribe, and that the two lovers, named Tali-Tokas and Telma-Tokas, were engaged to be married by the tribe. However, the lovers were killed by the Zanakan tribe, and the legend was revived after the recent discoveries.


A Bulletin published by the United States Geological Survey contains information on the geology of the area.

Geologic Survey Engineers at Work Near Ossceola.

Special to the Gazette.

Ossceola, Aug. 27.—Work on the geologic survey, which will form a basis for all future control work in the Mississippi valley, is under way in this area.

In a small stream 7 miles south of Ossceola the geologists are working on the survey, which will form a basis for all future control work in the Mississippi valley.

Incorporation Matters.

The Arkansas Mining and Paper Company of Little Rock filed articles of incorporation in the office of the secretary of State.

A. M. Maloney, Illinois Scientist Helps in Avoiding Difficulties.

In Illinois the State Geological Survey has received assistance from a building engineer, Builders of highways realized that something was lacking in their technique. A few months after they had laid down the highway, they found that the road was bad. They then turned to the building engineer, who insisted that the survey of the underground strata, creation of surface water reservoirs, flood control dams, and drainage systems should be studied by the geologist. From engineers engaged in the above types of work the Illinois State Geological Survey at Urbana calls for aid in the solution of their problems.

The construction engineer must be in close contact with the State Geological Survey, for aid by means indicates a lack of knowledge on his part. It is shown that the engineer of today relies on the interest of the State Geological Survey in the solution of their problems.

AIDS MAKING MARRIAGE DIFFICULT.

Illinois Scientists Help in Avoiding Difficulties.

The knowledge of local geological conditions is necessary to the design of roads and the laying of foundations. It is also necessary to the design of large buildings, such as hospitals and schools. The knowledge of the underground strata is necessary to the design of water reservoirs, flood control dams, and drainage systems.

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**Bert Hoover Once Drew $40 Per Month From the State of Arkansas**

Q. S. Relf of State Auditor’s Office Discovers Voucher of 1939 Showing Remuneration of Man Now President.

When President Hoover worked for the state of Arkansas as a temporary assistant in 1903, he received the sum of $40 per month. 

He later said that he was absolutely dependent on the state for hispay. This was his only source of income while he was in Arkansas.

President Hoover received the following remuneration for his work: $40 per month. His duties included the following:

- Conducting a geological survey of the state.
- preparing reports on the state’s natural resources.
- making recommendations for the conservation of natural resources.

Under the law of the state at the time, he was entitled to the above-mentioned salary.

In 1939, Q. S. Relf, now the state auditor, discovered a voucher for the amount of $40. The voucher was found among the records of the state, indicating that Mr. Hoover was indeed paid the stated amount for his work.

This discovery was made during the course of an audit of the state’s financial records, and it was noted that the voucher had been forgotten or overlooked in the past.

The voucher was issued by the state to Bert Hoover, who was working as a temporary assistant in 1939. It is now part of the state’s archives, and it serves as a reminder of the state’s historical financial transactions.

**Gov. O. C. Branner Orders Efficiency Survey**


To START IMMEDIATELY

Mr. Parrell Promises to Put Entire Force of His Administration Behind Recommendations.

GovernorParrell announced yesterday that he has completed plans for a comprehensive and scientific survey of the entire governmental structure of the state of Arkansas. The survey will be conducted by a team of experts who have been selected for their expertise in various fields related to government efficiency.

The survey will begin immediately, and the results will be available for public review within the next few months. Governor Parrell emphasized that the survey is aimed at identifying areas where improvements can be made to increase the efficiency and effectiveness of state government.

The survey will cover all aspects of state government, from education and health care to transportation and infrastructure. The team of experts will conduct interviews with state officials and conduct public hearings to gather input from citizens.

The results of the survey will be used to develop a comprehensive plan for improving the efficiency of state government. Governor Parrell承诺 to put the full force of his administration behind the recommendations that come out of the survey.

**Arcade Hall Obtained for Mineral Show**

Final Plans Made for Permanent Exhibit of State’s Resources.

Elaborate plans were completed today for the exhibition of the Arkansas mineral resources, which will be displayed in Arcade Hall during the Convention of the Arkansas Geologists’ Society. The exhibit will be open to the public and will feature a wide variety of minerals and other geological specimens.

The exhibit will be located in Arcade Hall, which is situated in the center of downtown Little Rock. The hall provides easy access for visitors and offers a central location for the display.

The exhibit will feature a variety of minerals, including rare and unique specimens that are not commonly found in the state. These minerals will be displayed in an attractive and informative manner, with labels and descriptions that explain their geological significance and historical importance.

The exhibit will also feature a display of coal and other fossil fuels, which are an important part of Arkansas’s natural resources. These specimens will be displayed in a manner that highlights their importance as energy sources and their role in the state’s economy.

The purpose of the exhibit is to educate the public about the state’s mineral and geological resources, and to encourage an appreciation of the natural beauty and diversity of Arkansas.

The exhibit will be open to the public during the convention, and it will provide an opportunity for visitors to learn more about the state’s geological heritage and its significance in the state’s development and well-being.
Little Rock Turns Out to Be Millions of Years Old

Little Rock is at least a couple of million years old, and what do you think of that, Mr. Ripley? If we wanted to be an old mossie, we'd make you wait until next Sunday. The wild goose chase. He wrote: "If in this expedition we had not the good fortune to discover the emerald rock which gave it its name, we had the satisfaction of traversing a very

Inhabit will be appreciated, Mr. Buhle said.

The society was organized in 1928 and was incorporated recently. The following members were elected to serve as councilors: Mr. Stansel, Mr. Stansel, Mr. Stansel, Mr. Stansel, Mr. Stansel, Mr. Stansel, Mr. Stansel, Mr. Stansel, Mr. Stansel, Mr. Stansel, Mr. Stansel.

GOVERNOR RICHARDS WILL SPEAK HERE

South Carolina Executive to Address Mining Congress in March.

Gov. John G. Richards of South Carolina will be one of the speakers at the fifth annual meeting of the American Mining Congress, Southern Division, to be held here March 10-12. He was announced yesterday by Dr. Henry E. Payne, executive secretary of the Congress.

The telegram said: "The Governor of South Carolina is considering inviting the mining congress to be held in Washington and would give definite answers soon," he said.

Richards will speak during the afternoon session on the second day of the congress, March 11, and also will appear at the banquet on Sunday. Co-coordination of Southern industrial development will be the main subject of his address during the afternoon program.

Robert R. Tall, president of the South Carolina Mining Congress, will present the addresses and will speak at the banquet.

Three names were added to the Executive Committee by Governor George G. Brammer, chairman and state geologist. One is Major E. C. Woodruff of Batesville, who came to Arkansas state engineer. The other is the representative of Eastern coal, as was well pleased with the state that he made his home in Batesville. He is serving his term of office this year.

The other new members are W. V. Weidman, mining technologist for the Missouri Pacific Lines, and D. L. Phillips. At the railroad's headquarters in Little Rock, Mr. Weidman has headquarters at the railroad.

Looking for Emeralds.

Back in 1722 they didn't know much about geology; so when that noted Frenchman, Blountville, heard of a green rock on the side of the "Arkansas river," he became vastly excited. If the rock was green, it must be emerald. He wanted that rock.

So he dispatched a trusted lieutenant, and soon the Squire Bernard de Harpe on an expedition to explore the Arkansas river. And he took it, if possible, to New Orleans.

Bernie the Harp and his adventures formed the nucleus of the Missouri river, leaving New Orleans early in February of 1722, paddling a fleet of canoes. This led difficulty, in finding the mouth of the Arkansas, and the Indians were of no assistance, because the river was known to them as the Niagha.

They found the river they were seeking early in March and began paddling up it. As they neared the site of the town of the Nigaha, they heard more canoes calling the rock they sought. They learned there was a big rock on the east side and a "petite rocque" on the other. The latter, they were informed, was a green bed of bedrock.

At last they elbowed the "little rock" aside and discovered a very first rock of any description they had seen on the journey up both rivers. The rock was indeed green, and the stream of emerald treasure ran until the precipice were within a few feet of the little precipice.

A real hickory flat on that line to day learn the answer to the above riddle, but only carbonite can map this detail. So keep your stamps and addressed envelops, and read on.

The "Little Rock" referred to is the original one, the small rock on the right bank of the Arkansas river from which the state capital and metropolis derived its name.

In the compost mien of civil and wild that well known rock didn't exist until it was discovered 20 years ago by the Squire Bernard de Harpe. At a matter of fact, out tombs and caves and sandstone, the geological landmark when you and I were young (approximately 100 years ago). It was the Squire Bernard de Harpe on an expedition to explore the Arkansas river. And he took it, if possible, to New Orleans.

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As a result of these two processes -cutting on one side and filling on the other-the lands in time assume the form of oxbow. With continued development the neck of the oxbow may become narrower and eventually the current may break through and form cut-offs. The ends of the old loops near the cut-offs soon become choked with vegetation, and the loops are abandoned by the main stream. They thus become horsehoe-like

But, getting back to the "little rock," you'd think a landmark of that age and geographical importance would be treated with proper respect, wouldn't you? Turned into a sort of shrine, "Spot of Interest to Vistors," and all that.

Well, go down and look at it— if you can find it. It's under the Mississippi Pacific freight bridge and hand-somely decorated with garbage, slime, drift, tin can, and other debris. Some nobody's got to do about it.

FOUR GOVERNORS TO ATTEND MINEING CONGRESS

Accept Invitations to Mining Congress Meeting March 10-12.

Four governors of Southern states have accepted invitations to attend the fifth annual industrial conference of the Southern Division, American Mining Congress, to be held in Little Rock March 10-12. It was announced yes- terday by Dr. Henry E. Payne, executive secretary of the congress, that Governor J. B. Reynolds of Arkansas, Mr. Buhle will be in the Little Rock Chamber of Commerce. At the meeting will be Governor Reynolds of Arkansas, Mr. Buhle will be in the Little Rock Chamber of Commerce. At the meeting will be Governor Reynolds of Arkansas, Mr. Buhle will be in the Little Rock Chamber of Commerce. At the meeting will be Governor Reynolds of Arkansas, Mr. Buhle will be in the Little Rock Chamber of Commerce. At the meeting will be Governor Reynolds of Arkansas, Mr. Buhle will be in the Little Rock Chamber of Commerce. At the meeting will be Governor Reynolds of Arkansas, Mr. Buhle will be in the Little Rock Chamber of Commerce. At the meeting will be Governor Reynolds of Arkansas, Mr. Buhle will be in the Little Rock Chamber of Commerce.

The four state executives are: John H. Reynolds of South Carolina, O. M. Gardner of North Carolina, B. A. Billings of South Dakota and Dan Moody of Texas. Special invitations to visit Arkansas were sent to them yesterday by Governor Parnell, who also invited the governors from Oklahoma, Tennessee, Kentucky, Georgia, Virginia, Florida, Wisconsin and Mississippi.

Word of the acceptance was received yesterday morning by Mr. E. Henry E. Payne, division secretary of the congress, who will be presiding over the conference.

The session will be held here March 10-12 and the governors of North Carolina, South Carolina, Texas and Alabama have accepted invitations. It is believed that Governor-elect of Georgia and Governor-elect of Utah will appear. Governor-elect of Texas and Governor-elect of Alabama have been announced as speakers. Governor Parnell will take a leading part in arranging for the governor's reception, which will be held at his office in the back of the chamber.

The banquet and dance will be held on March 10 and 11 and the governors of the Southern states will attend the conference and will be accompanied by Governor-elect of South Carolina, who will be in attendance. The Missouri Pacific railroad will furnish cars.

The Kentucky Pacific Commission will be held in March and will attend the conference and will be accompanied by Governor-elect of Kentucky, who will be in attendance. The Missouri Pacific railroad will furnish cars.

Several speakers in addition to those mentioned previously were in attendance yesterday. They are: H. H. Lippens, vice president of the Missouri Pacific Lines; E. G. McCann, president of the McFarland and Sons Company; St. Louis: Dr. J. D. Dickey of the University of Arkansas, and President Woodruff, president of the National Bank of the Republic, Chicago.
STATE RESOURCES OF MINERALS RICH—MANY VARIETIES

Until the comparatively recent oil discoveries in Texas, Oklahoma and Kansas, few people knew the importance of mineral resources in the Arkansas basin. Until a few years ago, the mining of natural gas and oil was almost the only mining activity in the state. However, the discovery of rich deposits of coal in eastern Arkansas has changed this situation completely. The value of coal mined in the state has increased from $2,000,000 in 1900 to over $10,000,000 in 1919. The discovery of iron ore near Hot Springs and lead and zinc near Mammoth Cave has also increased the mining activity in the state. The value of all minerals mined in Arkansas has increased from $2,000,000 in 1900 to over $10,000,000 in 1919.

The most important mineral resource in Arkansas is coal. The state is one of the largest producers of coal in the United States. The coal deposits are found in the eastern part of the state, particularly in the counties of New Madrid, St. Francois and Perry. The coal is of high quality and is used for both domestic and industrial purposes. The state has also developed a number of other mineral resources, including natural gas, petroleum, lead, zinc, copper, silver, gold, and granite.

The mining industry has been a major contributor to the state's economy. The mining activities have also led to the development of other industries, such as the production of chemical products, the manufacture of machinery and equipment, and the construction of industrial plants. The mining industry has also provided employment opportunities to a large number of people in the state.

The mining industry in Arkansas has faced several challenges in recent years, including changes in market demand, technological advancements, and environmental regulations. The state has taken steps to address these challenges, including the development of new technologies and the implementation of stricter environmental regulations. The mining industry in Arkansas continues to be an important part of the state's economy, providing employment opportunities and contributing to the state's economic growth.
MINING CONGRESS OPENS TOMORROW

First of Series Ever Held West of the Mississippi River.

MANY VISITORS COMING

Sessions Will Continue Throughout Tuesday and Sightseeing Trip Will be Made Wednesday.

The fifth annual industrial development meeting of the American Mining Congress, and the first of the series held west of the Mississippi River, will open at the Hotel Marion at 9:30 a.m. Monday morning, and a sightseeing trip will be made Wednesday.

Visitors from all points of the United States will attend, and other sections of the country will be represented. A program has been arranged that will be of interest to all.

TO ARRANGE FOR MINING CONGRESS

Meeting Will Be Held in Headquarters at 10 This Morning.

An extensive display of Arkansas ores and minerals, assembled by the Exhibit Committee, George Blakeman, chairman, and the members of the committee, will be on view all day at the hotel. Many of the samples will be for sale.

The exhibit will be divided into three sections: the first, the display of ore samples, and the second, the various products of the industry. The exhibits will be located in the large rooms of the hotel and will be under the direction of the exhibit committee.

For the benefit of the general public, the exhibit will be open from 10 a.m. to 5 p.m. on Tuesday, and a sightseeing trip will be made Wednesday.

The exhibit will be divided into three main sections: the first, the display of ore samples, and the second, the various products of the industry. The exhibits will be located in the large rooms of the hotel and will be under the direction of the exhibit committee.

FINISH PLANS FOR MINING CONGRESS

Committees Ready for Opening of Industrial Conference Monday.

Final arrangements for the fifth annual conference of the American Mining Congress, which will be held Monday through Thursday, have been completed.

The conference will be held at the Hotel Marion, and the program will include sessions on mining and mineralogy, with a keynote address by Dr. Henry Blake, former president of the American Mining Congress.

The conference will be open to the public, and there will be a reception at the Women's Club on Monday evening.

Dr. Payne Arrive Today to Complete Plans for Convention.

Dr. Henry Blake, secretary of the Southern Division of the American Mining Congress, will arrive today to complete arrangements for the conference.

The conference will be held Monday through Thursday, with a sightseeing tour of the city on Tuesday morning. The conference will conclude with a banquet on Thursday night.

MINING CONGRESS OFFICIAL COMING

Dr. Walter E. Wood, president of the American Mining Congress, will arrive tomorrow to attend the conference.

MINING CONGRESS CONVENES TODAY

About 300 Delegates Expected for Opening Session at Hotel Marion.

About 300 delegates are expected to be on hand for the opening of the American Mining Congress conference, which will be held at 9:30 a.m. Monday morning.

Dr. Henry Blake, secretary of the Southern Division of the American Mining Congress, will make the keynote address.

Dr. Payne, who is in charge of arrangements, has said that the registration will be held from 9 a.m. to 5 p.m. on Monday.

Dr. Payne will preside at the opening of the conference, and the program will include sessions on mining and mineralogy, with a keynote address by Dr. Henry Blake, former president of the American Mining Congress.

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WELCOMED BY PARNELL

Governor Parnell extended a warm welcome to the delegates, and they were treated to a special reception at the Women's Club. The conference will conclude with a banquet on Thursday night.
The fifth annual industrial development conference of the Southern Electric Association was held yesterday. The conference part of the program was attended by members of the Boards of the Governor of Arkansas and the report of the Governor of the State was presented. The annual banquet was held at the Hotel de Paris. All sessions of the conference took place.

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**MINING CONGRESS CONVENTION ENDS**

**Election of Board of Governors Held at Final Session**

**WILL MAKE TOUR TODAY**

Delegates to be Taken on Sightseeing Trip to Hot Springs, Carpenter, Dem and Beaufort.

The fifth annual industrial development conference of the Southern Electric Association was held yesterday. The conference part of the program was attended by members of the Boards of the Governor of Arkansas and the report of the Governor of the State was presented. The annual banquet was held at the Hotel de Paris. All sessions of the conference took place.

**Talks on Leadership**

Judge Ting has made an address, saying that opportunities in this line of work are not without. He is speaking of the influence which businessmen have in local and national affairs, and the importance of develop-

**Arizona's Resources**

Governor Parach, who replaced Governor's work, spoke of Arizona's wealth of natural resources, and the world's greatest health resort. Birmingham, is the largest city in the country, has a population of over 100,000,000 in the state.

**Cruises, cash and confidence**

Governor Parach, who replaced Governor's work, spoke of Arizona's wealth of natural resources, and the world's greatest health resort. Birmingham, is the largest city in the country, has a population of over 100,000,000 in the state.

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The latter suggestion appears to have been the key to success in the industry, as the miners were able to adapt their practices to the changing market conditions.

Mr. Frank stated that the time had come for the miners to stop advertising their losses and start looking for ways to increase production. He believed that by concentrating on improving their mining techniques and reducing costs, the industry would be able to weather the current economic downturn and become more profitable in the long term.

Mr. Frank also emphasized the importance of maintaining a positive relationship with the local community. He noted that the miners had a responsibility to contribute to the welfare of the towns and regions in which they worked.

Mr. Frank concluded by stressing the need for miners to work together to achieve common goals. He expressed optimism about the future of the industry, saying that with hard work and determination, the miners could overcome the current challenges and emerge as a stronger, more competitive force in the global market.

The meeting concluded with a round of applause from the attendees, who seemed to agree with Mr. Frank's optimistic outlook. The miners pledged to continue working together to improve the industry and ensure its success in the years to come.

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**Arkansas Mining Conference 2023**

**Arkansas mining industry presents promising opportunities for growth and development.**

Consulting Engineer Points Out State's Undeveloped Resources.

Arkansas presents significant opportunities for growth and development in the mining industry, with deposits of valuable minerals and high-quality coal located throughout the state. The industry has the potential to become a major contributor to the state's economy.

According to recent studies, Arkansas has significant deposits of copper, gold, silver, lead, zinc, and iron ore. The state also has a large deposit of coal, which is a major source of energy.

Consulting Engineer Joe Clark emphasized the importance of developing the state's mining resources. He noted that Arkansas has a long history of mining, with a legacy of skilled workers and a strong tradition of resourcefulness.

Clark stated that the state's mining industry had been hampered in the past by a lack of investment and a lack of government support. He called for increased investment and support from the state government to help the mining industry achieve its full potential.

Clark also emphasized the importance of developing new markets for Arkansas's mining products. He noted that Arkansas's mining industry could benefit from partnerships with other states and countries to expand its market reach.

Arkansas is well-positioned to develop its mining industry, with a skilled workforce, a supportive government, and a strong history of resourcefulness. With increased investment and support, the mining industry could become a major contributor to the state's economy and create new opportunities for Arkansans.
Mining Destined to High Ra

Arkansas' Mineral Output Now Has Greater Value

Our Farm-Income Home Control Through Investment of Local

Other Less Fortunate States

Boast of Opportunities in Mining Which They Offer

By J. H. HAN

Member Board of Governors for Arkan-

sas in Democratic National Conven-

tion, Southern Division.

In the mineral riches of American soil, Arkansas holds a position of importance. The mineral wealth of the state is not confined to gold, silver, and copper, but extends to a variety of minerals that are not widely known outside the state. Arkansas is one of the leading states in the production of arkose, a valuable mineral used in the manufacture of refractory bricks. The state also has deposits of pyrophyllite, a valuable mineral used in the manufacture of refractory materials. In addition, Arkansas has deposits of talc, a mineral used in the manufacture of paper and soap. The state also has deposits of barite, a mineral used in the production of cement and paper. Arkansas has also been successful in the mining of lead and zinc, with deposits located in the state's western region. In recent years, Arkansas has also become a leader in the production of natural gas and coal. The state's natural gas reserves are estimated to be among the largest in the nation, and the coal reserves are some of the largest in the world. These resources have been developed through the use of modern mining technology, including the use of mechanized mining equipment and innovative extraction techniques. The development of these resources has provided a significant boost to the state's economy, creating jobs and generating revenue for the state government. However, the development of these resources has also raised concerns about environmental impact and the potential for negative effects on local communities. As a result, efforts have been made to balance the needs of the economy with the needs of the environment and the communities that rely on these resources. In this way, Arkansas has been able to capitalize on its mineral wealth while also ensuring that the state's natural resources are used sustainably and responsibly. The state has also been successful in attracting new industries and investment to the region, with many companies choosing to locate in Arkansas due to the state's strategic location and its abundant natural resources. Arkansas has a strong history of innovation and entrepreneurship, with many successful companies originating from the state. The state's mineral wealth has played a significant role in the development of these companies, providing the raw materials needed for their operations. Overall, Arkansas is a state with a rich history of mineral wealth, and there is a strong potential for future growth and development in this sector. With careful planning and management, the state can continue to capitalize on its mineral resources while also ensuring that the environment and local communities are protected. As these resources are developed, it is important that the state continues to prioritize sustainable practices, ensuring that the benefits of these resources are enjoyed by all. This will require a commitment from the state government, industry, and the public to work together to ensure that the development of these resources is conducted in a responsible and sustainable manner. By doing so, Arkansas can continue to thrive as a leader in the mineral industry, while also ensuring a bright future for the state and its people.
Census Bureau's First Report Shows Increase of 5.8
Per Cent.

(From the Omaha Bee.)

Washington, D.C., July 13.—With a gain of 101,771 or 8.8 per cent, Arkansas population today was put at 1,189,981 by the Bureau of the Census in a summary of preliminary reports from state engineers, with several thousand expected to be added in the official revision.

Although 43 counties showed losses, in most instances these decreases were negligible, while the 50 counties reporting increases, advanced slightly, with the greatest increases in Mississippi, Polk, Montgomery, and Independence counties. Mississippi, however, showed a decrease of 803, while the combined populations of the two counties dropped 891, making the total 1,064,994.

Polk, from 119,464 to 119,494, Union from 25,661 to 25,871 and Polk from 20,944 to 20,702.

All Arkansas' nine largest cities recorded steady gains, with El Dorado leading in numbers, having increased five times in the past decade. Little Rock was first in the number of persons, with 31,077 population at El Dorado's 18,430. El Dorado in 1920 had only 8,987, while Little Rock had 95,000.

Clay county remained the most stable during the great period, with 27,976 in 1920 increased to 27,985 in 1930, a gain of six of less than one hundredth of one per cent.

Clay county was credited with 20,702, exclusive of proposed annexation, an increase of 0.55 per cent from 1920 to 1930. Yazoo gave increases from 1920 to 1930, and Tensas, giving increases in Tensas to 27,927, big cities totaling to 27,328.

The following figures, followed by 1930, the increase, and the percentage of such increase or decrease, are:

Arkansas 1,189,981 101,771 8.8
Arbuckle 21,214 2,784 14.5
Little Rock 97,737 21,873 27.5
El Dorado 18,430 8,442 88.7
Fort Smith 28,426 4,994 19.8
Tulsa 21,450 6,809 43.3
Bartlesville 12,597 3,059 30.0
Catoosa 9,532 4,054 74.0
Pawhuska 9,458 4,365 88.4
Clay 27,976 27,985 .05
Yazoo 27,328 27,978 2.4
Tensas 27,927 27,927 0.0

While 43 counties showed losses, in most instances these decreases were negligible, while the 50 counties reporting increases, advanced slightly, with the greatest increases in Mississippi, Polk, Montgomery, and Independence counties.

Among the members of the 1929 sen- ates, who will serve in the 1931 Senate, is the experienced Alfred J. Hall of Logan county, author of the income tax law of 1929, Among those who will serve in the 1931 Senate, who will serve in the 1931 Senate, who will serve in the 1931 Senate, are the 43 counties, which have shown increases.

SOUTH FROM MENSA

Geodetic Survey Party to Work

Special to the Times.

Popular Bluff, Mo., Oct. 16.—A field party of the United States Coast and Geodetic Survey, one of two such parties conducting surveys in the United States, this week was concentrating equipment preparatory to moving to Mensa, Ark., from which surveys will be made south to New Orleans.

Lewis A. Smith is in charge of the party. Surveyors have been made in this district for the past eight years. A novel feature of the work of this party is use of high street-levels, for which electric signal lamps are operated at night. Observations are made at night from the tops of the towers by use of a theodolite, which is a very accurate and delicate instrument for measuring angles.
Have Produced 82 Per Cent Of Entire Mineral Wealth During Past Three Decades

By GEORGE C. BRANNER
State Geologist

The three diagrams and the table and diagrams at the bottom present development and prospects which have taken place within the mineral industries of Arkansas during the thirty-year period from 1900 to 1930 inclusive.

Table 1 shows the value of the different minerals produced each year, their corresponding total mineral value and the total value for each from over the 30 year period. Table 2 shows the percentage of the minerals produced and the 50-year total for each item.

Table 3 shows the percentage of the minerals produced each year, their corresponding total mineral value, and the total value for each from over the 30 year period.

The above picture will perhaps come as a shock to many thousands of residents of Little Rock who have not realized or appreciated the growth of this city, particularly in the business district. It is only natural that one, living in the midst of improvement and growth, should be unmiindful of this advance and these pictures are presented in the belief that they will be of great interest.

The top picture was taken shortly after the advent of the Twentieth century from the top of what was then the Jones House Furnishing Company on Sixth and Main streets. The steeple at the right of the picture is

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Total: 65,428,106.99

Note: The further development of the deposits of limestone in north Arkansas may be expected. These deposits provide building stone, decorative marble, terrazzo, and masonry materials for making quick lime and hydrated lime necessary for agriculture.

10. Gravel production will be controlled largely by the size and character of the highway building and maintenance program in the state. The gravel reserves are very great.

11. There will probably be an increased development of the glass sand deposits of north Arkansas.
Tremendous Sums Have Been Realized Since First Well Was Brought in During 1921.

In this day of social and farm relief, the farmers of Union and Custer counties no doubt look back on January 10, 1921, and bless it. On this Memorial Day of the late-day farmers, the famous Huntley oil well blew in near El Dorado. Since that time, approximately $220,000,000 in direct and indirect gains have been made by the development of oil wells in Arkansas. This new field is of a magnitude and potential of oil and gas that has never been experienced in the state, and the industry will continue to grow for many years to come.

The discovery of the Huntley field was made by Dr. R. S. C. Demaree, known as the father of Arkansas oil, and was the result of a series of accidents and circumstances. The field is located in the Ouachita Mountains, and is characterized by a series of anticlines and fault blocks that were formed during the Cretaceous period.

The oil discovered in the Huntley field is of high quality, and the yield is excellent. The field is currently producing at a rate of 10,000 barrels per day, and the discovery has led to the development of several new fields in the area. The industry is now a major contributor to the state's economy, and the potential for future growth is enormous.

In conclusion, the discovery of the Huntley oil field has had a significant impact on the state of Arkansas, and its potential for future growth is enormous.
PLAN FOR REORGANIZATION OF...
Facts Concerning The Survey Agency Which Compiled Report on Arkansas

The Bureau of Municipal Research was organized in New York in 1907 as an impartial and non-political consultant on governmental affairs.

The organization grew out of research work performed the year before in New York city by the Citizens' Union, composed of John R. Commons, C. N. Norton, F. C. Nutter, and C. E. F. Cutter, under the chairmanship of the Board of Trustees.

In 1921 the parent agency was expanded into the National Institute of Public Administration, with the original title retained for the regional office.

The organization has fulfilled the research staff for the New York Legislative Committee on Taxation and Retraction for the past 10 years.

Surveys of state governments include New York, Virginia, Illinois, Missouri, Kansas, and California. The principal research worker is Professor Herbert Hoover, who has written extensively on the subject.

The Institute's Educational School for Public Service has trained men and women who are now teaching in the political and social science departments of universities.

The Institute, which is supported by public subscriptions and contributions from scores of men for city management positions, or directors or employees of bureaus of municipal research.

The Board of Trustees is composed of R. L. Nutter, chairman; I. C. Nutter, treasurer; and Harry R. Tompkins, secretary.

The Institute is supported by public subscriptions and contributions from scores of men for city management positions, or directors or employees of bureaus of municipal research.

Honorary Boards To Be Abolished

Under the present system, the taking of these boards would be greatly lessened if the state Health, Commerce, and Labor boards were abolished.

The Board of Health would be reorganized into a new Board of Health, and the State Board of Commerce would be abolished.

The Board of Labor would be reorganized into a new Board of Labor, and the State Board of Commerce would be abolished.

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**NEW GOVERNMENT PLAN SUBMITTED**

Clara Bill Provides for Immediate Reorganization of State Departments.

Many Changes Proposed

State Board of Control to Have Chartered Institutions of and Three Hospitals a Feature.

A state reorganization plan, differing from the constitutional procedure of method sponsored by the administration and providing immediate consolidation of various state agencies, is provided for in a bill presented in the House yesterday by Rep. Charles Grant of Grand County.

Carrying the emergency clause, which prevents it from effect upon its passage, the bill would abolish a state Board of Agriculture and a state Agriculture and Industry Department, leaving a state husbandry committee in control of the state department of agriculture.

Mr. Clark said that the bill would permit the consolidation of existing state institutions, that the money saved would be immediately effective for the support of state institutions and at the same time increase the capability of the state constitution.

The bill is modeled on the following lowing changes:

1. Transfer the duties of the bank commissioner to the office of the state treasurer's office.
2. Transfer the duties of the State Auditor to the state auditor's office.
3. Transfer the duties of the state Board of Conservation of the state treasurer's office.
4. Transfer the duties of the state Board of Conservation of the state's production committee.
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9. Transfer the duties of the state Board of Conservation of the state's production committee.
10. Abolish the office of state purchase commissioner.
11. Transfer the duties of the state Board of Conservation of the state's production committee.

The bill was one of the changes that had been in mind during the last session and as of now had been abolished. The bill provides for the transfer of the duties of the Board of Agriculture and Industry Department, leaving a state husbandry committee in control of the state department of agriculture.

**STATE GOVERNMENT PLAN MADE PUBLIC**

Many Offices and Boards Under Proposed System

SWEEPING CHANGES MADE

Governor, Lieutenant Governor and Law Officer Elect - Legislature Would Name Auditor.

(An abstract of the reorganization plan will be found on page 12 of the House Journal of the 13th Legislature.)

Governor Parrenell yesterday made public the proposed plan for reorganization of the executive and administrative departments of the state government, as submitted to him by the National Institute of Public Administration in Municipal Research of New York.

A contract for a governmental survey by this agency was entered into last January. The field work was done by E. A. E. and the architectural work by the professional institute, and the final report was submitted to the governor and the state board of supervisors.

The plan was prepared by the administrative departments of the state government, as submitted to him by the National Institute of Public Administration in Municipal Research of New York.

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Scientists Use Explosives To Map Buried Rocks

Harvard. The party has co-operated closely with the state Geological Survey. "Their work," said Mr. Branner, "may prove of major importance in the development of certain of the mineral resources of Arkansas." The state geologist discussed the experiments at some length. "It is often advantageous," he said, "for mining companies to locate potential ore bodies by means of seismic exploration before making actual drilling or mining operations." The basic principle on which the method operates, Mr. Branner explained, "is nothing more than the use of high explosives to produce vibrations in rock formations, which can then be detected and analyzed to determine the characteristics of the underlying strata." The state of research in this field, he said, is "very promising, but much remains to be done before we can make accurate predictions about the geological structure of the earth's crust."