RECORD REVIVAL IN Rare Mineral New Activity RUSH ZINC FIELD AS NEW MINES OPERATE

Special to the Gazette. Rush, July 10.—This place, like Rip bit into the ore and ore bearing rock, paring it for market. Then the price of zinc ore flopped. Mining men deserted the camp, mills rotted, and the popu-lation dwindled to nothing. The camp went to sleep and has slept for two

The price of zinc ore has doubled during the last few months, and an air of expectancy hangs over the camp. Rush creek that comes tumbling down out of the mountains, has a more encouraging murmur. One hears the rat-tat-tat of air drill coming from a mine up on the mountainside. A truck loaded with ore dashes around the sharp bends in the road. The birds seem to be singing a sweeter song this spring than they

Six Properties Being Worked.

Six properties in the Rush district are now in operation and producing free ore, which is in good demand by the smelters. A number of other properties are scheduled to start work soon, Monte Christo Mining Company, how-ever, has a new plant nearly completed, which will be put into operation as soon as it is finished. A good body of ore at this mine promises continuous mining and milling operations.

concern in the camp, have leased a small portion of their property for free ore mining, and the men who are operating it are making a fair produc-tion. The company is represented at Rush by J. K. Lyons, who has been there for 16 years. They own the Morning Star, Red Cloud, Red Cloud No. 2, Philadelphia and Ben Carney mines, all big producers during the war. Mr. Lyons has an idea of a big central milling plant to handle the ore from their entire group of properties, which Mr. Lyons thinks will reduce costs considerably. This idea has been put into practice in the Tri-State District and is practice in the Tri-State District and is working out successfully. Some crude ore is being hauled as far as 35 miles to a central milling plant. The longest haul for the company, at Rush, would be about half a mile. The crude ore would probably be sent from the different mines to the milling plant by a system of overhead trams.

While mining at Rush has been

While mining at Rush, has been status quo, since the bottom fell out of the price of ore, two decades ago, the Lyons family, which consists of Mr. Lyons and his wife, have not been idle.

Mrs. Lyons has devoted her time to Special to the Gazette. raising fine Persian cats and has some wonderful animals in her cattery. Mr. mineral, "hopeite," heretofore found Lyons has devoted his time to a

Among other things he has discovered is that the ores of the camp carry the discovery goes to Miss Koleta to local buyers who took it up in truck other metals besides zinc, the princi- Walker of near Newark who has pal one being cadium. Cadium is the mineral that gives the bright yellow color to a zinc ore locally called turkey fat. Cadium is used in making an alloy friend mailed the speciman to Miss manufactured, and is worth now, approximately 90 cents per pound, Cadium Branner, state geologist. Later the cannot be recovered from the zinc specimen was cent to Dr. G. C. from which high class bearings are manufactured, and is worth now, apunder the regular heat and retort method of reduction. It can be recovered hardt, New York metallurgist and been made, while development extenhowever, by the electrolytic process, and a plant of this kind would no doubt pay in this section of the state. Local ores would probably run as high as six pounds of cadium to the ton, which would add about \$5.40 per ton to the would add about \$5.40 per ton to the is defined as a hydrous zing phosthe price of zinc ore was low, the cadium value would represent the difference between profit and loss.
Plan New Plant.

Case Brothers, who have a lease on the Edith Mine, near the mouth of Rush creek, where it runs into the Buffalo river, contemplate the installation of hydraulic equipment to mine the ore. The ground at this mine is mostly clay and boulder, with no supporting roof, different from most of the mines in the camp. The owners of the lease expect to remove the clay and other dirt from the free ore and boulders, by water, thrown from a high pressure nozzle, in much the same manner as hydraulic gold mining was carried on in california, in the early days. They have an unfailing water supply in Buffalo river, a few hundred yards from the mine. If this plant is installed it will be the first of its kind in the North

Arkansas field, and will be watched by mining men with itnerest.

Conditions Changed.

Van Winkle, is awakening from a 20year nap. During the World war, Rush
was the largest zinc ore producing camp
in the South and the largest universe.

Local conditions Changed.

Local conditions Changed.

Local conditions Changed. in the South, and the largest unincorporated town in Arkansas. Night and rates have been the two greatest factors day for four straight years, air drills in the reduction. It was really a feat in horsemanship for a man to take a team bit into the ore and ore bearing rock, and a dozen huge concentrating plants ground it up and concentrated it, preparing it for market. Then the price of ville, 13 miles distance, or Buffalo, 10 miles distance. In bad weather with heavy hauling these roads would be-come well nigh impassable. The writer has seen three mule teams on a wagon loaded with one ton of ore, and they had a hard time to get through.

Today this condition is entirely changed. A truck with as much as it can haul, can leave Rush and be in Yellville, in an hour or less. Freight from Yellville, to the smelters used to average around \$2.75 per ton in car-load lots, and much higher in smaller quantities. The hauling from the camp and the freight combined used to total from \$7 to \$8 a ton. Incoming machinery and supplies carried the same high rates. In an interview with Roscoe Hicks, who is now operating the Mackintosh mine, he said: "I get all of my ore hauled from the camp to Yellville, erties are scheduled to start work soon, which will step up production. Most of the operations are small operations, no mills being operated at this time. The Monte Christo Mining Company, how about \$5 a ton over the old costs. The ver, has a new plant nearly completed, shich will be put into operation as soon is it is finished. A good body of ore this mine promises continuous mining and milling operations.

The Morning Star Mines, the largest on the camp have leased at ton cheaper than it could during the continuous mining the camp have leased at ton cheaper than it could during the continuous mining and milling operations. ton cheaper than it could during the

There are many other indications within the next few months, and that many strange faces will be seen on the creek. The Middle Western zinc fields have been heavily mined during this district lately, spotting feet wide, with the length and depth lease locations, while new leases are undetermined. A drill hole about one-being taken by home miners.

While making a crop and working at workings has penetrated the ore body to a depth of 210 feet. that Rush is coming back into its own the last quarter of a century and no doubt their ore reserves are rather well expended. One of the most important of these fields made 27 per cent of its state of the second of \$241 since last February. entire production last year from tailing piles, which goes to show that the above statement is not far fetched. It Enjoys Prosperous Year into prominence and production. The North Arkansas zinc field is the only Special to the Gazette. 1-16-38 virgin field in the United States, that Yellville, Jan. 15.—During the past the writer knows of.

Rare Zinc Mineral Found in Arkansas

Batesville, Aug. 5.—A rare zinc Among other things he has discovered at Lynn, near Strawberry. Credit for and Searcy county. gained recognition through her minfirmed the discovery as "hopeite." In Brust and Penfield's "Manuel of Despecific gravity of 2.75 to 2.8.

Is Found Near In Calamine Walnut Ridge Zinc Field

State Geologist George C. Branner said today a specimen of ore taken from zinc fields in Lawrence county had been tentatively identified as "Hopeice" a rare mineral listed by authorities as mined in France and North Africa.

Dr. Branner said that because of its rarity, Hopeite's commercial value was not well-established in this country. He planned to forward the specimen to Washington for a further check by the United States Geolganical Survey.

Identification of the ore, he announced, was made by Miss Koleta E. Walker of Newark, a member of the American Institute of Mining and Metalurgical Engineers, who re-ported she obtained the specimen from a zinc mine west of Walnut

Encyclopedias describe Hopeite as probably a hydrous phosphate of

"Due to its rarity, it has slight commercial value," said Dr. Branner. zinc sulphide and zinc carbonate vill continue to be the backbone of the Arkansas zinc mining in-dustry, due to their abundance."

Shipped From Rush.

-9-26-37 days ago. The ore was bought from local free ore miners in small lots at the mines and trucked to the railroad. As an example of what the individual miner with crude equipment of only hand tools may do in this district, one milling ore tonnage

year the Ozark district shipped apconsisted of free carbonate ore in lump form as it came from the mines. Most from the H. C. Urschel operation at Ponca, Newton county. The zinc production was made entirely by local miners working individual properties. Approximately 25 different diggings only at the zinc mines at Altenburg contributed to the zinc output, the thorough study of the ores of the camp in France, has been discovered in the greater part of which came from the territory surrounding the zinc mines Rush-Buffalo mining region in Marion

ment. Practically all of the zinc shipped to smelters at Fort Smith and Coffeyville, Kan.

is defined as a hydrous zine phos- only a small proportion of the true price of the ore if it could be recovered. In many cases, especially when

bhate of the formulae Zn3(Po4)4H20,

companying volume of milling ore encompanying volume of milling ore enof a grayish white color, a vitreous countered in the same ground. It is luster, a hardness of 2.5 to 3, and a safe to assume that values represented in milling ore removed and placed on the mine dumps while mining free ore will more than equal the returns realized on the latter, to say nothing of new development values.

Gazette 2-6-38

Calamine, Feb. 5.—The Calamine zinc field, which takes in parts of Lawrence and Sharp counties, is beginning to show life again. While there is no boom, prospectors are seeking zinc outcrops in the surrounding hills, and a considerable amount of active mining work is in progress. Two new mills are under construction, and by early spring the field promises to be producing again

The largest operations in the field are about 10 miles apart. Ed Thoma, George Dixon and Porter Daniels, all of Mountain View, have taken leases on the Wilkinson land, near Grange, in Sharp county, and are opening up a mine. They have proven up a face of jack (zinc sulphide ore) approximately 100 yards wide. They don't know how long it is or how deep it penetrates. They will move a drill on the property within the next few days and prove up the depth. The ore they have taken out is good mill ore of very high quality, and will top the market when it is

Mill On Penn Land.

J. F. Lassiter of Batesville has the Another Car of High Grade Zinc machinery on the ground, on a lease on the Penn land, a mile and a half east of Lynn, in Lawrence county. There are 56 acres in the lease and they have Special to the Gazette. 9-20-37 are 56 acres in the lease and they have Yellville. Sept. 25.—Another carload a fine showing of high grade jack, that Yellville, Sept. 25.—Another carload a fine showing of high grade jack, that of high grade zinc ore is being loaded apparently runs around 10 per cent. The out from here to a Fort Smith smelter ore is dessiminated through a hard dolo-by Aud Goodall, ore buyer and merchant mite. Roy Jeffery and C. A. Keys of at Rush, who received satisfactory re-at Rush, who received satisfactory re-turns on a 50-ton car sent out a few this lease and will help in the construc-Batesville, have interested themselves in tion of the mill. Mr. Jeffery said he would move a compressor and jack hammer to the property soon and start active mining operations. It will probably take 60 days to erect the mill and set miner, working a strip lease on the Paymaster property near Yellville clear- ed \$45 on his output that took him 10 have plenty of crude ore out to put the days to mine, while getting out a liberal plant in operation. Work that has been done on the property consists of shal-Mining scouts from the tri-state dis- low shafts that were sunk to check on Mill Near Lynn.

property expect to start operations soon.

Field One of First.

The Calamine zinc field, was one of the first zinc fields in the United States to produce and smelt zinc ore. The first year the Ozark district shipped approximately 1,150 tons of zinc ore and started there in 1857. The process of 200 tons of lead. All zinc shipments smelting zinc ore is rather complicated compared to the reduction of other base ores. Under heat the zinc raises as a gas which condenses back into metal. of the lead was milled concentrates In 1857, experiments in smelting zinc were carried on both in New Jersey and in the Calamine field in Arkansas. It is a question which of these two places produced the first spelter or slab zinc produced in the United States. Operations in the Calamine field, that year were of short duration. They were started again in the sixties and a large amount of ore was mined and smelted. It was hauled to the mouth of Strawberry river, with ox teams and boated down the Black, White and Mississippi rivers, to New Orleans, and shipped to Germany, where it was used as a war metal by the Germans in the Franco-Prussian war. The remains of the old smelter are still in evidence at Cala-

Myth About Old Mine.

these old operations, is that they were the camp at a much lower cost and on smelting silver instead of zinc, and that a much lower price than during the war they paid their men off in silver dollars that were made by them, and that will put the camp on a satisfactory opsometimes when the men received them erating basis again. they were so hot that they couldn't hold them in their hands.

Because the company was experimenting with a new smelting process, they were probably very secretive about their feiting myth. The ore was smelted in small retorts made from fire clay, and charcoal, which was burned in neighborhood, was used as the heat

This same section of north Arkansas, was also the scene of the first iron mining and smelting operations in the state. The furnace was located on the banks of Big creek, near Jesups, and a dam and water wheel was used to develop water power with which to operate their big hammers and furnish air for their blast furnaces. The ore was mined from the surrounding hills. These operations were carried on before the Civil war.

Lead and Zinc Mining May Be INEVITABLE'

Special to the Gazette. 3-6-38

Jasper, March 6. — Possibility that lead and zinc mining would reopen on a considerable scale in Newton county was seen with the filing of articles of incorporation with the Secretary of state by the Oklahoma Lead and Zinc Company. The company owns 160 acres in the rich Ponca field, 16 miles north of here, and is said to be shipping ore now. A slump in prices at the close of the World war caused mining to be suspended in this county, which has no railroad. Since then highways have been built and shipping of ore is not so expensive. With prices at a fair level, mining again may become a source of income for this section.

New Milling Plant For Zinc Mines

Special to the Gazette, 4-10-38

camp, which will handle crude ore from C. Branner, state geologist, yesterday all the zinc mines now operating withall the zinc mines now operating without milling facilities. This is the kind
of a plant the small mine operators in
this camp have been praying for for the
a district meeting of the state Co.

ly. It is expected that construction work on the plant will begin in the next few the zinc deposit areas.

During the World war, this camp, "As the average domestic rate of which is the largest zinc ore producing production in the past 10 years has been camp in Arkansas, shipped thousands of tons of zinc ore, most of it being carbonate of zinc. Because the best slab zinc that can be produced from virgin ore can be produced from the carbon—

"With the decrease of national reore can be produced from the carbonate ores here, it was in strong demand serves, the price of the metal may be at that time and eight big mills were expected to advance slowly, and with in operation on dessiminated ore and this a more intensive development of hundreds of free ore mines were oper-the domestic ore deposits should ated. the importa-

of ore slumped, the Picher, Okla., camp was opened and operations practically creasing amounts. ceased here. When the price of ore recovered three years ago many of the smaller operators went back to work, mining free ore, and a considerable tonnage has been shipped since that time. In mining the free ore, which is ready for market as it comes from the ground, fully as much crude, or dessiminated, ore is mined, which has to be milled before it can be marketed. Because camp has had no custom milling facilities this ore has accumulated in the bins and when milled by the new mill should produce a large profit on the last three

Favorable Operating Conditions.
At the close of the World war and the slump in prices, the larger mines at this place had more ore developed in the ground than at any other time in the history of the camp. Mining could not be carried on profitably after the slump, because of bad operating conditions. The ore had to be hauled to Yellpassable roads during bad weather.
Freight rates to the smelters were also high, Good roads now lead to the camp and five-ton loads can be handled cheaply by truck, which has cut down the cost of cartage. Railroads have reduced rates on ore, and other operating conditions have been vastly improve.

a result of a sharp decline in demand for the metal at the conclusion of the war. Principal uses of the metal are in the formation of alloys, bronze, and in die castings. More than 30 pounds of the metal is used in the construction of a single automobile, one publication showed. ville, 13 miles, by mule teams over im- a result of a sharp decline in demand Myth About Old Mine.

A myth that has sprung up since descending can be carried on now in the camp at a much lower cost and on the camp at a much lower cost and on the camp at a much lower price than during the war been in East St. Louis, Ill. The latter boom. The construction of this new mill

Gazette MATART 38

first of the year, was shipped to Coffey-ville, Kan., this week by John Dirst, be made to have a survey made, to deore buyer for the Missouri and Arkansas railway. Most of its was from Rush Creek, the Confederate and Bald Hill mines. Twenty-one tons were shipped Survey and the Arkansas Geological Survey and the Arkansas Geological by Will Maxey from the mine he opened Survey and the Arkansas Geological few months ago on Morning Star mountain. He has taken out about 100 tons of free ore during those months and reported in Yellville this week that he united States Organized Reserves, he had made another rich strike.

Rich Strike on Zinc Lease Near Yellville Reported.

4-23-38 Special to the Gazette. 4-23-38
Yellville, April 22.—Will Maxey of Rush has reported a rich strike on his zinc lease, from which he mined a carload of free ore. The workings are said to be showing improvement as operations continue. Mr. Maxey says the new mine has shipped more than 100 tons of free ore since it was opened a few months ago.

DEVELOP MENT SEEN FOR ARK ANSAS'S ZINC DEPOSITS; REDUCTION PLANT TO BE SOUGHT

Gazette 6-12-38

Rush, Ark., April 9.—Arrangements have been made by Van Buren, Crawford county, smelting interests to install a central custom milling plant for this ined, was seen as "inevitable" by George Commercial development of A sas's zinc deposits, about which

last three years.

It is understood that the structure will be a modern milling plant that will handle the ore of this camp successfulin the state and possibilities of location.

weeks.

Thousands of Tons Waiting.
There are thousands of tons of crude carbonate of zinc ore now in the mine bins here awaiting milling. Most of this ore is now under contract to the men who plan to construct the new mill, and they will have a large tonnage on hand when the plant is completed.

During the World war, this camp, which is the leasest gine over producing.

Thousands of Tons Waiting.

Mr. Branner, who has recently completed a study of zinc ore deposits, zinc production and uses in the United States, reported that the known reserves of recoverable zinc in the nation on January 1, 1938, were "approximately 6,000,000 short tons, at a price of about six cents per pound, at St. Louis, Mo."

Exhaustion of Supply Forecast.

"As the average domestic rate of producting in the past 10 years has been

Immediately after the war the price tion of foreign ore, especially from Can-

"It is anticipated that, for these reasons, the amount of ore mined from the Arkansas zinc deposits, which are confined principally to Marion, Boone, Newton, Searcy, Lawrence and Sharp counties, will increase progressively dur-

Mr. Branner said a total of 27,424 short tons of recoverable zinc was estimated to have been produced in the Arkansas fields from 1906-1935. The metal was valued at \$5,274,578.

The largest portion of the ore—21,-

876 short tons of zinc concentrates, of which about one-half was pure zinc was produced during the World war, in 1917. The price then was from nine to 10 cents a pound at St. Louis. The price now is about four cents. Production then was strictly a matter of price observers commented.

1917 Development 'A Price Matter.' Development ceased in the Arkansas fields when the price was depressed as

At present, there are four electrolytic Zinc produced from such plants is 99.99 pure metal. There are 18 hear treatment plants in the nations now Harrison, Ark., April 9. — Another car of ore, making the fourth since the first of the year, was shipped to Coffevitation

Branner said an attempt would Survey, co-operatively

Branner an Authority. Mr. Branner, a lieutenant colonel in war to complete studies with reference to mineral deposits and supplies in the nation, His study on zinc was accepted and lauded highly by the Army and Navy Munitions Board recently. At Harrison Conference. 6-12-38

special to the Gazette.

Harrison, June 9.—At a district meeting of the state Council of Science and Industry, held at the courthouse last night, George Branner, state geologist, was asked to have an engineer make a survey of the north Arkansas zinc and survey of the north Arkansas zinc and talk on the ore supplies of his section

ore reserves in the field.

The figures will be used in connection with efforts to secure location of a electrolytic ore reduction plant in the rison Chamber of Commerce, presided. field. Mr. Branner said it was probable that an engineer might be placed able that an engineer might be placed in the field to assemble the date de-

Delegates from five counties in this district were present at the meeting. Bob Hall, secretary of the state Chamber of Commerce; Mr. Branner; H. Thatcher, secretary of the state Agri-cultural and Industrial Commission; Charles Gillette, state forester; W. M. Weigle, mineralogist for the Missouri Pacific Lines, and L. Hatch, who proposes to locate a electrolytic ore reduction plant in the north Arkansas zinc and lead field, were present.

purposes of chemurgy is to find new uses for agricultural products in industry, and we are beginning to make some gains along this line," he said. "Arkansas is over-agriculturalized and needs to be brought into balance. This can be done by finding new industrial uses for agricultural products and by the bringing of new industries into the state. It is frequently said today that we have no frontier. That is a mistaken

"The South today is the new industrial frontier of the United States and Arkansas is one of its far flung outposts, with an abundance of raw material for development. It is not the lack of chances the state is offering today that keeps industry out, but handicaps. We have got to rectify these handicaps before we can hope for much new industry.

"The workman's compensation bill has to be passed and we have to put our taxation of industries on a competitive basis with other states. Twentysix states are now offering some kind tax exemption for new industries Everyone should sign the petitions for both of these new laws which are now

Thatcher Outlines Commission Work. Mr. Thatcher gave a talk on work now being done by the state Agricultural and Agricultural Commission. "We are making some headway with our work but about the most we can do is to talk, because the legislature which created our department failed to make any appropriation for it and we have money to work with," he said. "What we need most is plants to take care of our raw material. Today most our raw material is being shipped out of the state for manufacture. It seems to me that we could manufacture it in the state just as well as others can manufacture it out of the state. This would give us new and additional income. There is a big opportunity in Arkansas, and especially in this section of the state, for livestock development. North Arkansas is leading the state in this line but it has plenty of room for

Branner Forecasts Development. Branner forecast an early development of the zinc field. "The average production of zinc ore in the United States at this time is 534,000 tons. The domestic ore reserves are estimated at 6,000,000 tons, and this means that new sources of supply will have to be found. North Arkansas has a virgin field and sometime in the near future they will have to come here for their ore," he said.

Mr. Branner, with a series of geological maps, also gave a report on the mineral resources of the state, covering every section and discussed the various minerals and commercial stones.

Timber Conservation.

Mr. Gillette made a short talk on plied to the growth of timber. "Most of the old stands have been cut but we can grow new ones," he said. "The annual growth of commercial timber in Arkansas once was estimated to be 1,-125,000 feet. With three years of protection, it is estimated that this growth has been doubled. With both protection and management we expect the growth to increase to 6,000,000,000 feet. The annual cut now is about 2,500,000,000 feet. In a few years we will be able to offer new industries that use timber, about 3,500,000,000 feet above what we cutting now, and maintain the

Mr. Gillette indicated there is a possibility this section of the state may be sought as a location for paper mills. The second growth mountain pine which is abundant over about 100 square miles taking in parts of Searcy, Van Buren, Cleburne and Independence counties, is the same variety of

Many Speakers, Ideas, Presented Dine they are making paper from in a little dynamite Louisiana and south Arkansas, he said.

Mr. Weigle discussed conditions neces sary for successful operation of an elec-Cheap power, in trolytic zinc plant. large quantity would be required, he said, to operate a plant, and the power would have to be located close to the

lead field, and make an estimate of the and laid stress on the improved mining conditions that have been developed during the last few years.

Louie Watkins, president of the Har-

Zinc Smelter Submitted

Special to the Gazette. 6-19-38
Yellville, June 18.—A proposal for establishment of an electrolytic zinc Hall Discusses Chemurgy.

Mr. Hall gave a 15-minute talk on chemurgy and its purpose, "One of the purposes of chemurgy and its purpose."

One of the purposes of chemurge. of Commerce and the Ozark Mine Owners League this week. Mr. Hatch, as patentee of the process, suggested that a plant of 100 tons maximum daily output of refined metal be set up in five units of 20 tons each, and to start with one unit-adding other units as ore production requires.

The daily supply of ore necessary to maintain smelter operation at 20 tons of zinc would be 33 tons of jack or sulphide of 60 per cent grade, or tons of carbonate of 40 per cent grade, it was said. In response to the question of whether such rate of ore supply could be had in this district, the Mine Owners League submitted figures on the record of past production here which show an average daily shipment industries and in war materials. of 44 tons during the year 1916 and 72 tons daily in 1917. This production was mines was able to get in full time.

Extensive Zinc Deposit Found In Sharp County.

pecial to the Gazette. 8-18-38
Evening Shade, Aug. 17.—What promises to be an extensive deposit of zinc has been discovered by members of the mineral survey crew of the WPA for Sharp county, the supervisor, C. P. Whitney of the Blanville section reported. The deposit is west of Calamine in the geological stratum which bears the same name and which gives the town its

One vein is said to be 28 inches long, two inches thick of an unknown depth. Zinc mines formerly were operated at Calamine, but were closed for no apparent reason 50 years ago. Many rumors were circulated at that time, that field: "So far as the extent of the but no one knew why the expensive ore deposits is concerned, it is safe to equipment for mining and smelting was abandoned. The owners, who live in the East, still pay taxes on the land on which the deposits are found.

Optimism In Zinc-Lead Mining Area

of the late improvement in some of the heavy industries, such as steel, automobiles and the building trades, all of which draw heavily on zinc stocks un-

Under the slump which had prevailed since August, 1937, zinc production has been cut short by reason of curtailed demand, together with decline of ore county's ghost town, Calamine, may price levels below cost of production at a profit, J. H. Hand of Yellville, a mining engineer, who has been actively promote mineral development in Arkansas, and particularly in the Ozark

zinc region, said here today.

During 1936-37 renewal of activities for zinc production made considerable A large "hotel," which also served as a headway, mostly in the Rush creek dissort of clubhouse for workers, was the first nine months of 1937, around 1,000 tons of free high-grade zinc ore was mined and sold by local miners while they were developing new ore bodies, mostly on several locations. ore brought a gross price of about \$20 a ton without having to be milled, while the only equipment for mining, as a rule, consisted of picks, shovels, and

Ore Sold at Diggings.

The miners sold their ore to local buyers at their diggings, realizing a example, one miner who made a crop in the meantime, produced and sold \$250 worth of ore between the first of February and October from his lease. During the two years, several outside terprises became interested in mining projects on a substantial scale, some of them acquiring leases and starting erection of mine and mill equipment. But from August to November the price of ore fell off nearly one-half with the result that practically all such operations were suspended.

Responding to the step-up of the past two months in some lines of business, the price of zinc has made perhaps a higher percentage of advance than that of any other basic commodity. The feelof any other basic commodity. The feeling prevails that zinc prices will go still higher as business may improve with the fall season. In that case, a return of development activity in the for mines and leases of merit are being renewed from different states, Mr. Hand sa.d.

dustry, especially in undeveloped terri-tory, is the startling revelation, through a recent world-wide survey, that zinc reserves of the United States and other countries are getting near the point of exhaustion, insofar as the older estabished centers of zinc production are concerned. The survey referred to, and ernment authorities, discloses that zinc reserves in the United States were apning of 1937. With an annual zinc consumption of more than 500,000 tons over a 10-year average in this country, is apparent that unless new sources production are opened up, the coun try soon may face a grave emergency, since zinc is essential in manufacturing

Ozark Only Untapped Region. tons daily in 1917. This production was largely from newly-opened mines, the development and equipment of which kansas is the only untapped area of was slow, since most of them had to zinc resources remaining in this country to be developed. depend on returns from sales of cur-rent output to finance their way. Be-sive mining scale. Records of past procause of impassable roads during several months each year, none of the ment experiments afford proof that ore eral months. duction, resulting mainly from developdeposits are of uniform high quality and commercial extent, where prospect tests have been opened for more than 1,000 feet into the ore formations, while ore output from those works returned profits to operators. From present prospect workings, which barely scratch the ore formations in a few places, a production of approximately 80,000 tons has been realized. Ore reserves now in sight through extent of prospect workextensions of those developments onto imated by competent mining judges a 1,000,000 tons. As undeveloped ore bear-ng formations in other areas of the field are explored and proven the extent of ore reserves doubtless will disclose far greater magnitude, as ex-pressed in an opinion by the late Dr. John C. Branner, former state geologist, when he said in his official report on say that it is so great that it is un-known. Prospecting that has been done has not uncovered the hundredth part

of the ore bodies." Establishment of electrolytic smelting works in the Ozark zinc and lead area has received considerable attention in the past year or so, but recession of the past several months has not been inspiring to such projects, and nothing has been done on that line fur-ther than selection of an approved location. It is reported that this undertaking is to be renewed as mining conditions improve.

Lead Deposits

Reports Say Special to the Gazette. Yellville, Sept. 17.—A feeling of optimism among those interested in the zinc and lead mining industry, in view Ghost Town'

By CARUTH S. MOORE.

return to life. Sixty years ago lead it will probably lead the list in imporand zinc were being mined and smelt- tance. Lead ore deposits are widely scat-Company and other Eastern syndicates. rather large deposits exist in a number A large "hotel," which also served as a of localities.

Shut-Down Unexplained.

were in the offing to enlarge the works. The laborers were dumfounded, upon going one morning to their tasks, to be met with the announcement that "the mines had closed down.

That was all they ever knew. The men who superintended the work had vanished overnight. Various stories began to get about. One was that silver had been mined and minted.

The buildings rotted down. Much of the equipment was carried away. Pipes were used to run water into stock pens One may occasionally even today see the smelting pans being used for chick-en watering pans or flower beds. The mystery of the desertion remains

unsolved. The owners or their representatives and heirs, in more probability, continue to pay taxes on their holdings around Calamine. The explanation probably is that poor transportation facilities existing at that time Ozark district is assured, as inquiries made the mines less profitable than the

Believe Deposits Larger Than Realized Interest is reviving in Calamine de-Another vital factor that tends to stratum of zinc. This, hitherto untustry, especially in understand the stratum of zinc. This, hitherto untustry, especially in understand the stratum of zinc. The WPA mineral survey has recently uncovered a new stratum of zinc. This, hitherto untustry, especially in understand the stratum of zinc. posits of ore. The WPA mineral surof the settlement, and is said to indicate that the ores may be more widespread than was formerly thought. Some leases have been taken and a shaft or two been sunk.

Word is going around that "the mines may reopen." Residents are beginning to recall how "my father told me there was ore at the head of a certain creek They will tell you: "I know branch.' a bluff where the ore runs back a long ways, and I haven't ever showed it to anybody," and so on.

Zinc Mining Near Yellville Resumed After Price Raise.

Special to the Gazette.

Yellville, Oct. 30.—Several carloads of zinc ore have been shipped from mines in the Rush creek district south of here, where Yellville miners have resumed operations, following a 20 per cent advance in zinc prices. Operating hand jigs, the miners are getting out high grade free ore and are for erecting a large custom mill at making good wages. Outside inter-ests are reported considering plans a central point in the district.

Report on Zinc Reserves.

financial interests—particularly those of north Arkansas—that "somebody" compile accurate reports and estimates on the reserves of zinc in north Arkansas, has been answered, George C.

Branner state geologist announced. A long and loud plea of business and Branner, state geologist, announced

Of North Arkansas

12-11-38

By Tom Shiras

Mountain Home, Dec. 10 .- Lead was Evening Shade, Oct. 29.—Sharp the north part of Arkansas, and if and when the mining industry in this section finally gets under good headway,

The search for lead ore in north Ar- Early day lead smelters were also trict and vicinity, near Yellville, Marion county, and out from St. Joe, in Searcy county, Mr. Hand said. During the first lure in the fir cess and failure. It was the first lure ing and Smelting Company near the The settlement received its name for to lead prospectors into the hill section lead of Cave creek. It was in operathe place where the ores were found. The larger lodes of ore were just be- the strongest inducements to prospectors several carloads of refined lead. Its outginning to be touched, old timers will in the future. It is the highest priced put was hault to Russellville and tell you. The deposits were apparent- ore mined in the Ozarks, is always in shipped over the old Little Rock and demand, and promises quick money for Fort Smith railroad, to Pittsburgh, Pa.
the prospector or miner who is fortuAnother lead smelter was operated in Suddenly, something happened. What nate enough to find it in commercial Newton county in 1878, by a Mr.

it was is still a mystery. Everything was going full blast. In fact, the residents will tell you that preparations are residents will tell you that preparations. ORE DEPOSITS BEGUN BY MINING ENGINEER

Special to the Gazette.

mining engineer and geologist who has been employed by the state Geological Survey to make a survey of the zinc and lead ore reserves in the north Arkansas field, has spent the last week carbonate. The production of zinc sulgoing over the territory seeking sources of data for the work.

The territory covered by the survey will include six counties: Marion, Bax-Boone, Newton, Serrcy and Carroll. All have lead and zinc deposits and records of commercial shipments. Marion county has been the largest producer of the six. The big production of the field was made during the World war. Since that time the price has been too low to work large mines profitably. During this 1 iod a considerable amount of ore has been mined

and that his work in the county would done in the Rush creek district, which is adjacent to Rush creek, on Buffalo rive. He will make headquarters in the county seat of each county years of 1914, 1915, 1916 and 1917, the while he is carying on the work. Seek Minimum Figure.

While it is virtually impossible to establish an a wate tonnage of the maximum reserves of zinc and lead ores in the district, by checking the output from all the mines that have produced ore and taking into consideration the mineral-bearing territory a minimum can be established.

An estimate of the ore reserves is necessary to provide prospective investors in the field something of an idea of what they can expect to find in the way of ore tonnage, if they open new

The heaviest production of zinc ore that has been made since operations started in the field has been in Marion The heaviest production of lead ore h been made in Newton county es in the vicinity of Ponca, a Mineral Survey Will Provide inland village. Zinc, a small town on

Schellcraft First Prospector.

large bodies in the Ozark region was the ranner, state yesterday.

Dr. Branner said Howard Millar, the Current river, found the head of the Northfork river, prospected it to the the Northfork river, prospected it to the the Northfork river, prospected it to the the the Northfork river, found the head of the Northfork river, found the Northfork r fall of 181 discovered the source

wpa-financed state mineral sur-to the mout. f Beaver creek, in what Impetus was given the move to see is now Taney county, Missouri, and cure accurate figures on the zinc de- floated from that point down White posits at a series of meetings in north river to Batesville. From Batesville, ne Arkansas held during recent months at went northeast through what are now which discussions were held concerning Independence, Lawrence, Randolph and possibility of establishing an electrolytic zinc smelting plant in the area. Clay counties, back to Potosi. He was

Zinc was mined in proportionately the first geologist to report the occurlarge quantities in the area before and Zine was mined in proportionately the first geologist to report the octal large quantities in the area before and during the World war, but decline in prices for the ores curtailed production.

Mr. Millar is a graduate of the Missure view in Marion and Baxter counties, and on Strawberry river in Lawsouri School of Mines and Metalurgy, ties, and on Strawberry river in Lawrence county. That was 120 years ago.

Dr. Branner said.

and prospectors have been hunting for it ever since, with more or less suc-

First Lead Was for Bullets.

lters ter at Lead Hill, in Boone county. The town the first of several ores to be mined in Two other smelters were operated in prices and the long, overland haul to derived its name from this industry. in north Arkansas because of declining from shallow diggings, but several deep Missouri, railroads were built, and north shafts were sunk on Short Mountain, Arkansas smeltermen could not comin Marion county, from which a good pete with new conditions. mining engineer, who has been actively engaged for several years in helping to engaged for several years in helping to ed in large quantities at Calamine. Expromote mineral development in Arronaute several years and all in all these. While the smelting of this ore was promote mineral development in Arronaute several years and all in all these. While the smelting of this ore was promote mineral development in Arronaute several years and all in all these. The several years are the smelting of this ore was promote mineral development in Arronaute several years and all in all these. The several years are the smelting of this ore was promote mineral development in Arronaute several years and the smelting of this ore was promote mineral development in Arronaute several years and the smelting of this ore was promote mineral development in Arronaute several years and the smelting of this ore was promote mineral development in Arronaute several years and the smelting of this ore was promote mineral development in Arronaute several years and the smelting of the smelting of the smelting of the smelting of this ore was promote mineral development in Arronaute several years and the smelting of the smelting o pensive equipment had been purchased boone, Baxter, Marion and pounds of refined lead, which was marand instaled by the Arbuckle Mining mining has been done to prove that keted at Springfield and Marshfield, Mo.

which produced 50 tons of refined lead

the Missouri Pacific railroad in Boone Yellville, Nov. 19. - Howard Millar, county, has produced the largest tonnage of zinc silicate that has been p.oduced in the field. Most of the rest of the zinc ore production has been zinc phide ore, or jack, has been light, although there are prospects for a large production of this ore in future years. First Reported in 1818.

North Arkansas probably has the largest area of zinc bearing formations in the United States. Henry Rowe Schoocraft first reported the presence of zinc and lead ores in the territory in 1818 and 1819, when he made a study of the territory. Early in the Nineties John C. Branner, state geologist, made a favorable report on the field, and its development started.

But because of bad roads and other by small producers, however.

In an interview, Mr. Millar said that he would cover Marion county first.

But because of bad roads and other bad mining conditions the field was not greatly developed, although some ore was shipped. Mining was continued in rather a desultory manner until field really boomed and millions of pounds of ore were produced. After the war the price dropped and has been down since. Since 1917 the production has been light.

Conditions Far Better Now.

A great many changes have taken place in the territory since the boom that make for better and cheaper mining conditions. Roads have been built so trucks can now be used for hauling, freight rates have been reduced, and

the field is on a competitive basis with Midwestern and Western fields.

After looking the field and conditions over, Mr. Millar expressed belief that it has a bright future. The ore is here and the mining conditions are not bad.

His idea on development is a central plant in each camp operated by an individual or company that will mill ore on a custom basis and buy all that is produced. Plants of this description would not only give small operators a local cash market for their product, which would start a large number of men to work on leases, but would be a strong influence toward the development of large ore bodies

May Establish Plant This Year.

A plant of this character will probably be located in the Rush camp this winter. There is enough mill dirt already piled up on the dumps there to keep it in steady operation for sever

Another early day lead smelter in Newton county was operated by the Arkan-

During the Civil war, the Confederates operated several lead mines in the vicinity of Bull mountain, in Marion county, and shipped meir output to New Orleans, via the White and Mississippi first lead that was mined in rivers, to be manufactured into muninorth Arkansas was mined by the early tions for use by the Confederate army settlers, for bullets. Later it became one They also mined and refined saltpeter of the early day industries and several for the manufacture of powder in the lead anelters were operated. In 1851 same locality. A number of large cas lead was mined in Boone county, and iron kettles that were used in the resmelted at a smelter on West Sugar fining process are still in existence in Loaf creek. The product of this smelter
Marion and Baxter counties, and are
was hauled by ox teams to Springfield,
now used to scald hogs during hog kill-Mg.; the nearest market. Before the ing time in the late fall and early win-

Lead smelting was finally abandoned 1873 and 1874. Most of the ore came market, Lead was discovered in south

there hasn't been a year during the last half century that it hasn't been produced in commercial quantities

Prospecting during these years has widened the known lead bearing area of the territory, and operations in fu-ture years will probably see a large tonnage of the ore produced annually.

Investigations of Lead Deposits While thorough investigations of the zinc deposits of the north Arkansas field have been made, the lead deposits havbeen given only superficial study. of the lead mined to date has been invesed capite's The major part of the tomage has oeen free ore, that comes cut of the ground ready for shipment without milling. Except in the Boxley district in Newport county, where this ore occurs in fissures, ore bodies of this character are not usually very large.

These shallow ore bodies are encountered in the north parts of Baxter Boone and Marion counties and on Upper Cave creek and in the Boxley district in New-ton county. The Boxley district has

The major part of the dams on the White river and its tributaries and its tributaries and increase in ore prices would result in the building up of an important zinc mining and smelting industry in this section of the state, Mr. Millar believes as a result of his survey thus far.

There has been a demand for several years from investors in zinc and lead properties in the field for some kind of a report on potential ore reserves of the area.

One of Mr. Millar's recommendations

The major part of the dams on the White river and its tributaries and an increase in ore prices would result in the building up of an important zinc mining and smelting industry. These were rather "swank" places for the times.

But everything was stopped overnight. When workers came to the plants one morning they found the doors closed and signs up stating "Operations Suspended." More than that, the owners seemingly had vanished into thin arr.

Rumors flew thick and fast, Many more or less logical stories are told as Mountain Home, Sept.

creek and in the Boxley district in Newthe area.

Coreek and in the Boxley district in Newthe area.

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core of Mr. Millar's recommendations more or less logical stories are told as

Few Deep Tests.

The only prospecting for deep ore of any consequence that has been done in North Arkansas has been around Dodd City in Marion county Dessiminated ore was encountered at 170 feet. It runs in dolomite, will mill out about six percent and is extremely high grade. It occurs in a blanket formation but not enough drilling was done to determine its extent. One deep shaft was put down, which proved the drill hole. The lead ore found in north Arkansas is of fine quality, seldom running less than 80 per cent, metallic lead, which is the base it is sold on, and in many self-companies and substitute of the original owners. The persons paying the taxes live in the East, and vouchsafe no information to letter in dustry, Millar said:

"I think central milling plants in each of the several districts will solve the production problem when the price of ore justifies development. Each plant should have sufficient capacity to process and concentrate all the ore field may be either should maintain a cash market for ore or operate on a particular district. They either should maintain a cash market for ore or operate on a particular district. They either should maintain a cash market for ore or operate on a particular district. They either should maintain a cash market for ore or operate on a particular district. They either should maintain a cash market for ore or operate on a particular district. They either should maintain a cash market for ore or operate on a particular district. They either should maintain a cash market for ore or operate on a particular district. They either should maintain a cash market for ore or operate on a particular district. They either should maintain a cash market for ore or operate on a particular district. They either should maintain a cash market for ore or operate on a particular district. They either should maintain a cash market for ore or operate on a particular district. They either should maintain a cash market for ore or operate on a particular district. They either should ma

is scarcely a county in the hill section that has, it several legends of this nature and someone is searching for lost.

Mr. Millar also thinks zinc smelters

Special to the Gazette.

Special to the Gazette.

Jasper, March 10.-W. A. McCurry

They are mining the ore at the 52-foot level with a shaft and drifts. The ore occurs in a fissure 20 feet wide. Most of it is free ore and ready for the smelter as it comes from the ground. As much wash ore comes out with the free ore, operators contemplate installing a hand jig to wash and concentrate this ore. The price of zinc carbonate is only \$14 a ton at Harrison.

Mr. McCurry also is cleaning out a shaft on the King Solomon mine, which adjoins the Blue Bluff property, from nating. Lead now is much more desirable than zinc, as it brings about \$45 a ton. Mr. McCurry formerly operated mines in the Zinc camp in Boone

LOW PRICE, NOT LACK OF TONNAGE RETARDS STATE'S ZINC MINING

> 5-21 -39 -By TOM SHIRAS.

Special to the Gazette.

Mountain Home, May 20.—Low ore Mr. prices, rather than lack of tonnage, are responsible for lack of development of lead and zinc deposits in several north Arkansas counties, Howard Millar said yesterday after completing a survey of approximately 200 mines and prospects in Marion, Searcy, Newton, Sharp "Ghost Town" Boone, Benton and Carroll counties.

A resident of Murfreesboro, Pike county, Mr. Millar is making estimates of ore reserves in north Arkansas in connection with the statewide mineral survey sponsored by the Arkansas Geological Survey. He will make his final report about August 1, after studying ore deposits in Baxter, Lawrence and Sharp counties.

mine from shallow diggings, with little through construction of proposed power invesed capite. The major part of the dams on the White river and its tribu-

is the base it is sold on, and in many instances running up as high as 83 per cent. It carries a silver content of approximately two ounces to the ton, which is not enough to make it valuable for this metal.

The lead ores in the north part of the state are probably the basis for many of the lost silver mine legends. There is scarcely a county in the bit was a state of the state are probably the basis for many of the lost silver mine legends. There is scarcely a county in the bit was a state of the state are probably the basis for many of the lost silver mine legends. There is scarcely a county in the bit was a state of the state are probably the basis for many of the lost silver mine legends. There is scarcely a county in the bit was a state of the country have been received.

No large company has operated in the north have no facilities for miking the will of the country have been received.

World war. Small operators have no facilities for miking the will of the country have been received.

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World war. Small operators have no facilities for miking the will of the country have been received.

World is going around the mines may be reopened. There is talk, too, that the federal government may buy up stores of minerals.

Survey of Deposits in Three or warious sections of the country have been received.

ture and someone is searching for lost of lectrolytic plants hould be operated or electrolytic plants hould be operated. Second Carload of Ore Shipped

From Newton Zinc Jead Mine.

Or electrolytic plants Louid be operating.

The field to convert the clean ore into metal. He said with such plants operating, other plants using zinc as a operating, other plants using zinc as a parts of Independence counties with raw material might locate here.

Feening Shade, Sept. 16.—A special survey of lead and zinc deposits is under way in Sharp, Lawrence, and operating of Little Rock in charge,

put. The best grade of slab zinc that can be processed from virgin ores is obcan be processed from virgin ores is obtainable from our zinc carbonates. For this reason the field, with cheap power available, might be attractive to chemical plants.

One of the first efforts to smelt ore in the United States was made in 1857 at the processed activity in the ore bearing in areas.

Mr. Millar said the survey will attempt to show location and approximate amounts of various minerals and producing basis soon.

the United States was made in 1857 at Calamine, Sharp county. It was not a financially successful venture. A conadjoins the Blue Bluff property, from which he hopes to obtain a good production. This mine also produces lead and zinc carbonate with lead predomimunitions for the Franco-Prussian war.

Plans For Reopening Smelter Studied.

May Be Revived.

By CARUTH S. MOORE.

Evening Shade, Sept. 16.-A special raw material might locate here.

Paul Millar of Little Rock in of the metallic content of manganese as with headquarters at Batesville

Jasper, March 10.—W. A. McCurry and B. Bateman, who are operating the Blue Bluff mine near here, have just shipped their ssecond car of ore in 60 days.

They are operating the property, which consists of 160 acres, under a lease. It produces both lead and zinc carbonate, the latter predominating. They are mining the ore at the 52-foot level with a shaft and drifts. The ore have advanced and miners are expect-

Be Reopened

The committee organized this week to in the city of Chihuahua. He says that work toward the reopening of the smelter, which is a valuable industry for mining operations cannot be carried van Buren, is composed of William Kirchman, chairman; C. J. Franklin, Grady Putman, Mr. Taylor, Edgar Covey and Ray A. Sangster.

The committee organized this week to in the city of Chinuahua. He says that trades to the railroad at St. Joe was started this week.

Oala., is inspecting mineral deposits of this section and doing some prospectations and Ray A. Sangster. body of real value is found, the gov-ernment is quitely likely to take it over, as it has taken over the oil prop-

erties, he added. Business conditions are very uncertain there, he reported. This is the second time Mr. Shepherd has left Mexico and come to Arkansas. Evening Shade, July 22.—It is rumored Sharp county's ghost town, Calamine, may be revived. This village, in the southern part of the county, was a the southern part of the min. the southern part of the county, was a camp, in Marion county, he increased scene of activity in the way of the min-ing and smelting of lead and zinc ores nually and kept it up until the price as far back as 1870. These ores still exist dropped after the World war. He ex-there in great quantities. dropped after the World war. He expects to start with a small production associates of I the Rock have leased this time and build it up as conditions the Margarite mine here and will in-

an Zinc, Lead

any other part of the north Arkansas is that deep drilling be done on known shallow ore deposits. While in other fields deep ore is generally encountered in the same territory that produces shallow ore—and this by its found high on the mountains close thas been neglible. The reason for this is well as been neglible. The reason for this is with a deep prospecting has to more probably because deep prospecting has to make the north arkansas is that deep drilling be done on known shallow ore deposits. Most of the zinc ore shipped from this section has alone or known shallow ore deposits. Most of the zinc ore shipped from this section has nine died in the same territory that produces shallow ore—and this by the section is zinc carbonate, which usual-be to the cause of the sudden cessation of mining and smelting. The most plausist the most plausist that the expense of mining and smelting. The most plausist the most plausist the most plausist that the expense of form this section has time the more prospecting for and lead in this section than since the done on known shallow ore deposits. Most of the zinc ore shipped from this started more prospecting for zinc and making the field with a view of the cause of the sudden cessation of mining and smelting. The most plausist started more prospecting to mining engineer had lead in this section than since the died with a view of the cause of the sudden cessation of mining and smelting. The most plausist started more prospecting for deep ore of shall started more prospecting for deep ore of shall started more prospecting as the field with a view of the cause of the sudde

Because the price has been so low cotton field. since the World war zinc and lead mining in this section has lagged and little ora has been mixed. little ore has been mined. The principal ore producing counties are Marion, Boone, Baxter, Searcy and Newton. Marion county has been the

heaviest producer.

J. C. Shepherd, who produced the largest tonnage of zinc ore during the World war, has entered the field again, and has a mill at the Bald Hill mine executive vice president of the Missouri executive vice president of the Missouri and Arkansas railroad, and John Speer and Arkansas railroad, and John Speer. expects to get into production in 30 days. This mine produces lead and zinc, as do several other mines on the property he has under a working

Sees Higher Prices Ahead, "Even before the European war, the

Operations

Special to the Gazette.

Harrison, Sept. 30.—Several truck loads of machinery and equipment for the mine and ore reducing mill which

lead ores already on the "dumps" ready for milling. Hauling of concen-

freight haul of the railroad. Mr. Spear is visiting with his uncle, John Watkins, father of L. A. Watkins.

Little Rock Interests Obtain Everton Zinc Mine Lease. 10-15-39 Gazette

14.-M. L. Birch and corporate the property. This is one of

and while it has not been mined extensively it has produced a substantial tonnage of ore. Work on the property recently shows a continuation of the ore body, and a satisfactory tonnage of high grade zinc carbonate has been mined. The work thus far consists mostly of cleaning up the old drifts and getting the ground in shape for steady production.

Geologist Completes Survey Of ed in 1918, and Mr. and Mrs. Shepherd Zinc Ore Reserves. 10-18-39 Gazette

MINERAL ASSETS

executive vice president of the Missouri and Arkansas railroad, and John Speer geologist of Miami, Okla., who has been working with the railroad recently, have been investigating mineral prospects near Batesville and Heber Springs. Mr. Watkins long has backed a program of mining and industrial development in the railroad's shipping territory to increase the carload shipments originate.

easy haul to the railroad at Pindall in Searcy county, are indicated.

The Marguerite mile near Everton east of Harrison, owned by John Potts, has been leased to M. L. Birch and associates of Little Rock, who will begin operations at once. The mine in the past has produced large tonnage of high grade zinc carbonate.

essary. Each one of the boys who started with him became a mine manager in a few years.

After he got a small production started, he began to study the ore outcrops in the camp and decided that there must be well defined veins back in the bowels of the mountains. He soon verifield this assumption. He found that

FATHER OF

for the mos tpart, which established the area as a commercial field, with ore deposits capable of large production.

One of the necessities for the success of an independent in the mining industry is a spirit of optimism. Despite that, Mr. and Mrs. Shepherd had lost most of their possessions in the Villa revolution, they carried a spirit of optimism into the Rush camp.

much needed war mineral. The mangarese boom lasted until the Armistice was signed£, and then this industry collapsed.

Zinc ore prices rose some after the war, and he resumed operations on the Big Hurricane mire in Searcy county. In 1921 ore prices and mining conditions became so bad he had to suspend. Leaving Arkansas, after nine years of

getting the ground in shape for had a population of approximately 20 when they arrrived, increased to about the production.

3,000 in 1916, and everyone had a just good wages. The price of ore slumples at good wages.

Until Mr. Shepherd came to the field in July, 1912, it had been publicized bedly. Mining men in other sections of the country were told that the north Arkansas field was just a pocket field, and that these ore pockets were small; that there were no well defined leads of ore, which meant of course, that there were no real commercial deposits of ore

of ore. J. C. Shepherd was the man who disproved this erroneous report, and he seems to have done the job successfuly. One never hears anyone knock the

Learned Mining Under Illustrious Father.

"Even before the European war, the zinc situation was looking much better," Mr. Shepherd said. "The surplus is not as large as it has been and better prices were expected without the war entering into the picture. With the war demand, I look for prices to go much higher than they are now and for zinc ore for this field to be in strong demand. "Carbonate ores from this section were in strong demand during the World war. A better slab zinc can be smelted from them than any other virgin ore. The smelters, too, can handle them cheaper because they do not require roasting before going into was gained mostly in Old Mexico.

handle them cheaper because they do not require roasting before going into the retorts."

The largest producing camps in the north Arkansas field during the World war were Rush, in Marion county, and Zinc, in Boone county. Both of these camps have begun to show new life during the past 10 days and will be on a producing basis soon.

Prepare For

Prepare For

Lead Mining

Marguerite mile near Everton

ducing mili matching.

Wilson.

Started in Rush Field
On 'Shoe String.'

When Mr. Shepherd arrived in the Rush field and at Ponca have been cleaned out, and at Ponca have been cleaned out, and at Ponca have been cleaned out, and are ready for operation if prices of zinc ore advance. A survey of the Big Hurricane mining property, 17 miles south of Harrison, has been completed by Mr. Shepherd and favorable reports on working large deposits there with an easy haul to the railroad at Pindall in Searcy county, are indicated.

Marguerite mile near Everton

bowels of the mountains. He soon verifield this assumption. He found that the veins of zinc carbonate lay in and along the fault lines, r ning parallel to the surface hollows. Many of the early day prospectors cut these veins and dhove on into barren ground, which led to the assertion that the field was a pocket field.

Special to the Gazette.

Special to the Gazette.

Van Buren, June 10.—Plans for repening the smelter near Van Buren were discussed by local business leaders at meetings here this week. Built during the World war, the plant recently was reconditioned. It pormally employs about 300 persons.

At a mass meeting in the Van Buren Pitch and the land was pocket field.

The ore will be shipped from St. Joe. Atts. as a mixed lead and zinc, the sally object with officials of the Eagle Picher Company relative to textuming operations as the smeller, which was shut down several months ago. The delegation's plants are to be worked out by Roy Taylor, president of the Van Buren Merchants' Associated for the Company, was, in Henryetta, Okla, his week for conferences, with B. A. Troutnan, general manager of the smellers at Henryetta and Van Buren. The delegation will delay its trip to Jophin until it learns the outcome of Mr. Madden's conferences, with B. A. Troutnan, general manager of the smellers at Henryetta and Van Buren. The delegation will delay its trip to Jophin until it learns the concentrated has been engaged in job of munition purposes.

The committee organized this week to in the Raw Mined In Mexico.

The delegation will delay its trip to Jophin until it learns the concentrate of Mr. Madden's conferences.

The committee organized this week to in the Raw Mined In Mexico.

The delegation will delay its trip to Jophin until it learns the outcome of Mr. Madden's conferences.

The committee organized this week to in the conferences with B. A. Troutnan, general manager of the smellers at Henryetta and Van Buren.

The delegation will delay its trip to Jophin until it learns the outcome of Mr. Madden's conferences with B. As Massachustis geologist and scientists, and the mines and equipment for the text manager of the mine and ore reduction in the Marion counties, the mine and reduction properation so the mines of the mine and reduction of the mine Mr. Shepherd's first operations were on the Morning Star, oldest mine in the Rush camp, the Ben Carney and the Climax. During 1912 he also was associated with Martin Littleton, a well known New York lawyer in the while the pioneer mining men of the field were a hard working optimistic, adventurous lot, and discovered most of the prospects which later become producers, none was able to develop the mines or make any are production of consequence.

During the Villa revolution, mining with practically no demand at all with practically not all with

John H. Spear, geologist of Miami, Cala., is inspecting mineral deposits of this section and doing some prospecting work in company with L. A. Watkins, executive vice president of the Missouri and Arkansas Lines, whose policy is to promote mineral shipments from this section to augment the freight haul of the railroad. Mr. Spear his new location, and came to Rush, in Marion county, in July, 1912. In the subsequent years it was his production, for the mos tpart, which established the much needed war mineral. The mangance of the most part, which established the much needed war mineral. The mangance of the most part with the most production, and the most production, the most production, the most production with ore much needed war mineral. The mangance of the most production with ore much needed war mineral. The mangance of the most production with the most production with the most production with the most production.

perations on zinc and manganese, he eturned to Old Mexico, and turned his ittention to gold, silver and lead ores. Now he is back in Arkansas to stay.

His present operations in Newton ounty are in a section full of historic delay in the section full Confederate.

ger tonnage of saltpeter also was re-vered during the War Between the vered during the War Between the

Zinc and lead mining in the north Arkansas field has always been most cive during war periods, when the price of ore is up. Usually during peace imes the price of ore is either average r low. Becauses of better conditions, ther mining fields consolidated in the chemical industry.

Operators from Tulsa are trying to lease through the M. & A. Railway both the deposit of marl near Leslie uncovered by Mr. Watkins and the deposit of calcite near Eureka Springs.

Marketing Facilities Now Much Improved.

Until just a few years ago, conditions in the north Arkansas field were very bad, and mine operators had everything to fight if they kept going. Most of the are located from five to

too pull one ton of ore from Rush to Bufialo, on the White River Division of the Missouri Pacific, one of the shipping points for the Rush camp. Supplies and machinery were as hard to move

gain its position in north Arkansas. Once fully under way again, it would ontinue as a stable industry, he be-

Advent of Water Power To

ducement to capital to locate electro-tytic reduction plants in the territory to recovery the metal from the ore. This would save an enormous amount of money spent annually in shipment of In St. Joe Vicinity.

M. & A. DEVELOP INDUSTRIES

Gazette

By CLYDE GREENHAW.

wast amount of resources available Shirley Ready Soon. along the Missouri and Arkansas Rail-

easterly direction about 25 miles made over the line.

The Lincoln Creosote Company at deposits in the vicinity and laboratory last March, has added another cylindral excellent, and officials plan to make thorough investigation with a view to drilling. The coal found is small but is of a high grade quality, and the vein ranges from four to eleven inches with a view to drive the property of the property thick and from the surface to 14 feet Four-Year Livestock under ground. Mr. Watkins said hastill was studying the area, hoping to find a substantial and bigger vein of coal than has been found yet. The coal is located on privately owned land, but the M. & A. officials are try-life for the coarties of th ing to interest the Central State Life of Commerce. At that time Mr. Watland in the area, in prospecting on the land and in some drilling. Mr. Watkins been improved greatly and Mr. Wathas been working on the project for kins says he feels highly gratified in nearly a year, and spent last week in the results of the program, in that it

near St. Joe in Searcy county, Mr. carloads of purebred ewes have been watkins said. Tripoli is used for polishing materials and sometimes for fill uted along the line between Eureka tering processes and is used in the chemical field. He now is trying to develop a market for the deposit.

New Deposit of Marl Already Being Sought.

mineral developments by the railroad and also to the development of the manganese deposits north of Marshall by, and furnished a large volume of ad for munition purposes for the Concrate army. Some of the antiquated ining machinery used at the Old Concrate mine in war days still lies rusting in an old field near the mine. A tree tonnage of saltpeter also was re-

from clays mined from caves on creek, in this section. It was used week. Calcite is used extensively in week. Calcite is used extensively in Confederates for the manufac- abrasives, paints and in the chemical

posit of calcite near Eureka Springs.
Marl is a clay high in calcium content, used extensively in fertilizer and in various manufacturing enterprises.

Black marble deposits on the Cove creek farm of William Stephenson, north of Leslie, are being developed by a group headed by J. B. Skinner of Little Rock. The deposit is said to have some of the finest black marble found anywhere in the world, rivaling that imported from Belgium, which heretofore has supplied the American market with its finest grade. Promotion of this enterprise as well as other mineral projects along the line, is to increase the volumne of freight shipments originating in the road's terriook as many as three teams of mules ments originating in the road's terri-

Four New Lead, Zinc Operators in Field.

About four new zine and lead operators have come into the field in the past few years an indication that the industry will read and lead prices have advanced now to where it is profitable, and the Manda Industries Co., headed by Mr. Watkins, will continue to buy the ores, paying all that the market will allow, Mr. Watkins said. "We are buying the ores to get the freight out of it for the Improved county roads now lead to every camp in the field. From the camps farthest from the railroad points a truck can whisk five tons in one hour. Hydroelectric development on the White river and its tributaries during the next few years, also promises cheap industrial power, which will be an inducement to capital to locate electrotytic reduction plants in the territory to

Negotiations have been under way for several months for establishment of an ore mill on the railroad line at of in the vicinity of St. Joe. The mil would be in the form of a centra custom milling plant which will handle crude ore from all the zinc mines operating without milling facilities. This would be the kind of a plant the small mine owners have been praying for, and railroad officials believe that it 11-5-3 ting zinc and lead deposits in this territory developed and greatly stimulating the mining industry.

Harrison, Nov. 4.—Utilization of the \$50,000 Planing Mill At

along the Missouri and Arkansas Railway line with a view to developing commercially Arkansas's zinc deposits and establishment of new industries which not only will create new jobs but will increase freight shipments for the road is the main industrial program sponsored by the road's officials the past few months, L. A. Watkins, executive vice president, said today.

Coal possibly will be added to the railroad tonnage in the near future, Mr. Watkins said. New coal deposits in Cleburne county extending from the vicinity of Miller and Heber Springs in an easterly direction about 25 miles

were discovered with extensive pros-pecting last week. Extent of the coal deposits in the vicinity and laboratory last March, has added another cylin-

Miami, Okla., who is here assisting at the same time building up the soil r. Watkins.

There is a large deposit of tripoli ested in better livestock. More than 50

months by M. & A. officials in Carroll mine was one of the best producers county, a mile north of Freeman Switch and two and a half miles north of Berryville. Approximately \$10,000 has been spent in exploration, drilling and suppose her the well-real Leand survey work by the railroad. Located too far from the iron and steel industries, the ore was deemed of little value heretofore, but now may prove of conomic value. A market for the ore has been developed in recent years in St. Louis, Mo., Tulsa and Bartlesville, Okla. For the past two years the the low price of sulphur, which comes mostly from Louisiana and Texas, Mr.

Watkins said. Iron pyrite is used largely in the manufacture of sulphuric

be best to start moving this product within the next few months because of war activities, and expanding marotherwise. The increased demand for sulphuric acid probably improved sulphuric acid probably improved prices on pyrites, Mr. Watkins said. After consulting with two mapor com-

Newton County (Mo.) Lead And Zinc Moving Regularly.

Increased activity in prospecting for minerals caused the Manda Industrial Co. to start prospecting ar area along the railroad line in Newton county, Mo., for lead and zinc, early in 1938. Approximately \$7,000 was spent in drilling and prospecting the zinc and lead developments at Stark City, Mo., which now is being mined by the Eagle-Picher Mining and Smelting Co This is one of the projects being developed and sponsored by the officials the railroad. Stock piling at Stark City has been carried on for several months. Tuesday the M. & A. began moving its 1,072d car out of the mine. continue indefinitely Mr. Watkins said.

ZING MINING IN STATE RESUMED AT ACTIVE PACE

11-12-39 Gazette

Munition Sales May Buoy Price.

Harrison, Nov. 11.-With the pros-

He said that the shaft is being cleaned out at the mine and he is hauling in the low grade ore, preparatory to mining in the main shaft. Mr. Primrose announced that most of the Ponca mines are operating or soon will be placed in good condition for working. Opening of the Ponca concentrating mills has been delayed.

Lucky Dog and Jack Pot Mines to Be Reopened.

Operations at the famous Lucky Dog chant of Bruno, reported here.

Watmore accessible from Harrison by way
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Coon Hollow Mine To

J. C. Shepherd's Mines.

J. C. Shephard, veteran zinc mine operator, announced that work in the Bald Hill and Confederate mines in Newton county, near Cave creek postoffice, has been held up because water shortage. As soon as there is sufficient water flow, operations at the Big Hurricane mines south of Western Grove, will be started by Mr. Shep-

Arthur Lead Mill Being Prepared for Reopening.

Preliminary work for operating the old Arthur lead mine, near Peel, located on a 160-acre tract, and owned by the Nancy J. Mining Company, has been in progress for several weeks and included construction of an ore mill. The mine will have a capacity of 100 tons daily and a crew of 28 men will work in three eight-hour shifts. The mine will have a lease on the Bald Hill, in large or small quantities.

St. Joe, Dec. 16.—J. C. Shepherd, market for whatever ore is who has a lease on the Bald Hill, in large or small quantities.

Investigation of phospha in three eight-hour shifts. The mine-run ore is said to average 10 per cent Confederate and other properties in pure. Offices of the mining company this section of the north Arkansas Harrison on land owned by R. A. Cox, possibly will be located in Harrison winc and lead field, has just concluded will be started as soon as the weather

Zinc Deposit Near Pindall Investigated.

Railway as geologist, spent the past week near Pindall, Searcy county, investigating a zinc deposit uncovered by a farmer while digging a well.

Zinc Shipped From Eleventh Hour Mine.

Special to the Gazette.

Harrison, Nov. 25.—A carload of zinc ore from the Eleventh Hour mine of Primrose & Duty near Ponca, Newton county, which had been trucked to Harrison and loaded on the cre docks here for shipment was shipped over the Missouri and Arkansas railway to a smelter at Cof-

ORE MILL LOOMS AT HARRISON TO MEET BIG NEED

Many Operations Would Benefit. 12-11-39

Special to the Gazette.

Harrison, Dec. 9.—Establishment of an ore reducing mill in Harrison, which would handle mill ore from the Newton county mines, south Searcy county and the Zinc, Lead Hill and other Boone county mines, looms here with increased activity among the smaller mining properties and the working of the accumulations of mill ore in the old mines left when the free ore was taken out feverishly in 1917

and 1918 and sold at war prices.
Scores of small ore deposits have been uncovered, well scattered over the north Arkansas mining field, and these can be worked by the pick and shovel method and made to bring good returns to the miners, the promoters believe. They cited that for the past two years miners of smaller veins have kept about a carload of ore moving weekly from the Missouri and Arkansas Railway ore docks at Harrison and Marshall.

Mining activities during the past special to the Gazette. week included shipment of two car loads of ore from Harrison to the Cof- were resumed this week in some secand Jack Pot mines, near Bruno in Marion county, likely will be started soon, W. E. Angel, well known merand the Eleventh Hour mines of Primand the Eleventh hant of Bruno, reported here.

Mr. Angel said that Bruno now is county, and was shipped through J. C. new freeze, the latter part of this week.

two years.

A. W. Smith, Harrison lawyer and operator of the Coon Hollow mine near Zinc, on a leased 140-acre tract, announced here this week that the mine Marl and black marble deposits near eslie in Searcy county and a deposit

The deposit of Marl Already Being Sought.

A. W. Smith, Harrison lawyer and operator of the Coon Hollow mine near Zinc, on a leased 140-acre tract, announced here this week that the mine developed veins would have to be demanded by further prospecting, here are deposits uncovered in the past few mine is a high grade carbonate. This developed veins will reveal zinc and lead ores are found in nearly every township in the county, J. G. Branch creek, also is believed to have uncovered traces of silver, Mr. Hall and Parton Newton county, said. Extent of understance and the state mineral survey in Newton county, said. Extent of understance and lead ores are formed in the mouth of the Cane Branch creek, also is believed to have uncovered traces of silver, Mr. Hall and Parton Newton county, said. Extent of understance and lead ores are formed in reverly township in the county, J. G. Branch creek, also is believed to have uncovered traces of silver, Mr. Hall and Parton Newton county, said. Extent of understance and lead ores are formed in reverly township in the county, J. G. Branch creek, also is believed to have uncovered traces of silver, Mr. Hall and Parton Newton county, said. Extent of understance and lead ores are formed in reverly township in the county, J. G. Branch creek, also is believed to have uncovered traces of silver, Mr. Hall and Parton Newton county, said. Extent of understance and lead ores are formed in reverly township in the county, J. G. Branch creek, also is believed to have uncovered traces of silver, Mr. Hall and Parton Newton county, said. Extent of understance and lead ores are formed in reverse and lead ores are formed in reverse and lead ores are formed in the county and lead ores are formed in reverse and lead ores are formed in reverse and lead ores are formed in

J. C. SHEPHERD AGAIN LEASES **BIG HURRICANE**

Zinc Mine Was Big Producer Before. 12-17-39

milling plant.

John Speer of Miami, Okla., employed by the Missouri & Arkansas Railway as geologist, spent the past The property lies about a half mile 80-acre farm. Shepherd owned this property during the World war and shipped several thousand tons of ore from it during that period. At that time it was equipped with a modern 100-ton concentrating plant, which he expects to duplicate.

Lies On St. Joe Fault.

The entire property consists of 640 acres and is transversed by the St. Joe fault, an ore bearing fault which runs through this section for considerable distance. As far as this fault has been prospected, it has shown ore. The Speer and other mines beside the Big Hurricane, are located on it, and there is good reason to believe that the ore body is continuous throughout its length, Mr. Shepherd

The upper part of this fault carries carbonate, the jack or sulphide ore ying beneath the carbonate. Most of he ore produced by Mr. Shepherd luring World war days was carbonate. During the later days of his former operation of the mire he reached the jack and it was very rich.

Zinc Carbonate Dug From Farm Hollow.

Special to the Gazette. 1-14-40

Harrison, Jan. 13.—Arch Richesin of near Murray, Newton county, brought a truckload of free zinc carbonate ore here which was dug out of a hollow on his farm on the Little Buffalo river in Newton county. It was said to test about 40 per cent The ore was bought for shipment from the Missouri and Arkansas rail-

BRIEF SPELL OF **BOON TO MINERS**

1-21-40

Traces of Silver Reported.

Harrison, Jan. 20-Mining activities

W. H. Parton who uncovered a vein Findings of the mineral survey in Newton county have not been compiled fully but they will reveal zinc trying to change the course of a spring

the old Belle of Wichita mine on low-er Cave creek, which was a good pro-

Gold Prospecting Checked By Snow.

Ira Andrews of Limestone, Newton county, while buying provisions here said that the "gold boom" was buried under the snow, which has halted prospecting for gold, in progress there for several months.

ered in the Cane Branch area are near

Despite bad weather conditions, Paul Springer, operator of a mine near Murray, Newton county, hauled five tons of high grade ore to the ore docks in Harrison this week.

The cold weather has slowed min-

ing operations in the Zinc field, Larry Doyle, operator of the Coon Hollow mine, said. However, several pick shovel miners have signed leases and will operate on a small scale. Mr. Doyle says he will furnish a steady St. Joe, Dec. 16 .- J. C. Shepherd, market for whatever ore is produced

Investigation of phosphates in the possibly will be located and a lease with Eastern interests for the permits, C. R. Caughey, employed on R. S. Hart is superintendent. Title to Big Hurricane zinc mine in Searcy the state mineral survey in Boone the property was cleared during the county. Sometime next year he will county, said. Extent of undeveloped past six months by Mr. Hart. equip this property with a modern has uncovered small deposits on his

ore yet to be uncovered, S. T. Valentine of Zinc reported here. Much of the prosperity in the Zinc at present is caused by the spending of money by the Missouri Pacific rall-road in construction of two all-steel bridges across Sugar Orchard creek and other employment, which will be continued for example week. continued for several weeks. The construction work is furnishing Zinc workmen a substantial payroll.

LEAD PRODUCTION NOW PROFITABLE IN PONCA FIELDS

Special to the Gazette.

the Ponca mining fields of Newton county has increased and many new now is a paying product of the Ponca also will produce some lead. fields, and several truck loads have been hauled to the Joplin (Mo.) markets. The Manda Corporation at Harrison will be in the market within the rison will be in the market within the next few weeks for lead, J. C. Durst, buyer, announced. Production previously was not heavy enough for buy-

ing the mineral, Mr. Durst said.

Miners and truckers are optimistic over the future of the mining industry in the Ponca field, with uncovering of a good vein of Galena lead at the Bert mountain.

Mack McQuary has opened a new mine north of the Brewer mine and is shipping a good grade of zinc ore. Harry Primrose of the Eleventh Hour on the mountain side. He also is producing a fair grade of zince carbonate, which seems to be plentiful.

Zinc Production

On Increase.

Mack McQuary has opened a new mine north of the Brewer mine and is shipping a good grade of zinc ore. Harry Primrose of the Eleventh Hour Mine also is making substantial shipments of both zinc and lead.

In the Rolley Hollow, McIntosh, Philadelphia, Silver Hollow, McIntosh, Philadelphia, Vallow Rose and Morning Star mines,

On Increase.

Doyle Villines of Ponca, who operates a truck line to Harrison, has hauled three rail carloads of zinc ore

SnowsProvide Water, Mining Be Resumed

2-25-40

Special to the Gazette.

Harrison, Feb. 24.-Mining operations delayed in the north Arkansas mining area because of insufficient water, will be resumed within a few Located in South days. Springs and wells started flowing this week, following heavy snowfall the first part of the week. Much of the snow melted as it fell, adding much needed moisture to Ozarks farm lands and starting the flow in springs, wells and smaller streams.

at the mines and springs now is sufficient to start operations, and Mr. mineral survey, may lead to the open-shepherd is arranging to put the coning of a new major lead field in the Much Ore on Dumps.

milling and it is expected that the ore of the major faults in the United haul will be started soon. The ore will States, it had never been mapped or be trucked to the Missouri and Arkansas railway at St. Joe, the route crossing the Buffalo river at the Richland ford. Soon after the Bald Hill mine begins operation, it is expected that Mr. Shepherd will begin operation of the Big Hurricane mine, south of Western Grove.

George Jones, operating the Red mot been able yet to correlate this lostrict, brought 14 tons of zinc ore fault with the fault on which the istrict, brought 14 tons of zinc ore fault with the fault on which the locks last week for shipment to the Coffeeville (Kan.) smelters by the

Coffeyville (Kan.) smelters by the Manda Corporation, buyers.

Thirty tons of ore is on the dumps Must Be Determined. at the mines ready for removal to the ore docks, but bad weather conditions

zinc silicate is being mined.

from the Baker and the Brewer mines from the Baker and the Brewer mines in the past six months. W. T. Wells operates both mines and has four hand the Ponca mining fields of Newton county has increased and many new including are being opened. Lead the probably will produce a car a month of zinc carbonate diggings are being opened. Lead the produce some lead.

mineralized, at the Chimney Rock mine, where a cable system is used from the mine with a crusher and hand jigs installed at the top of the

Yellow Rose and Morning Star mines, all being operated by small producers under contract. Between 15 and 20 tons a week are sold to the Manda Corporation from these mines.

ANOTHER MAJOR LEAD FIELD FOR ARKANSAS SEEN

2-25-40

Newton County.

Special to the Gazette.

wells and smaller streams.

J. C. Shepherd will begin operations at the Bald Hill mine in Newton county. The water supply in the reservoir Newton county, discovered by the state Arkansas Ozarks.

"While this fault has been known Already a considerable quantity of ore is on the dumps ready for the for years and has been classed as one milling and it is expected that the ore of the major faults in the United

Extends of Finds

The mineral survey crew spent sevhave slowed trucking of the ore to eral weeks on this fault mapping and Harrison, J. C. Durst, buyer for the prospecting it. It found lead out-Manda Corporation, said, A carload of crops at nearly every small opening ore was shipped last week to the Cof-feyville smelters and another ship-not drive drifts or tunnels on any of ment is ready, Mr. Durst announced, the small openings made. Whether The old Alma mines, near Zinc, there are large deposits of lead along owned by Mr. Kirkwood, are being the fault remains for miners and prosperated under lease, and a high grade pectors to determine. The conditions, however, seem to be very favorable for

commercial deposits of ore. All the outcrops were found at the contact point of the Batesville sandstone and the Fayetteville shale. Most of the lead and zinc ore in North Arkansas is found below the Boone chert formation, the formations above having eroded. Southwest Missouri mines are all above the Boone chert the formations above this not having eroded in that area. This is also true of the formations lying along this new ore bearing fault in Newton

all of the metallic and non-metallic tion costs on zinc ores range from \$5 free ore as he pushes his heading minerals have been surveyed, mapped and sampled. Most of the county yet

Compton. Some of the best mines and this region will take considerable time.

Many Non-Metallic Metals Also Found.

county is rich in non-metallic minerals. Building stone, marble and lime-stone are present in inexhaustible quantities, and some excellent deposits

near Lurton, in the southern part, has been mined commercially for mines in both sections, but no large production has been made. Several properties, adjoining the Baker and Brewer mines, shipped a truck load of Brewer mines, shipped a truck load of lead to Joplin the past week.

Lead drybone and zinc carbonate are mined from a good fracture. well are mined from a good fracture. Well feet thick. The coal veins in this re-

feet thick. The coal veins in this region lie on the highest points.

Much iron pyrite and hematite also have been found. The pyrite was found in disseminated form near Ponca City, and the hematite iron ore has been found in several different

Mud Hinders Bald Hill **Operations**

3-3-40 Gazette

Special to the Gazette.

Harrison, March 2.—Although there is sufficient water supply at the mines operated by J. C. Shepherd in Newton county, operation of the Bald Hill mine, near Cave creek, is being delayed because of mud hindering operation of trucks around the mine. Mr. Shepherd and Fowler Belcher of St. Joe are directing shipping of seval carloads of zinc ore from Mans-

Bill Thompson, employed at the Canton zinc mine, near Pruitt, in Newton county, said a new shaft had been extended 25 feet down and will be sunk another 25 feet to a vein of zinc ore located by drills. The consentration will have been placed in centrating mill has been placed

Good Ore Reported In Calamine Section.

Special to the Gazette.
Smithville, March 2.—The Calamine, or east section of the north Arkansas zinc and lead field, which embraces several townships in this section of Sharp and Lawrence counties, is showing some activity.

Barr and Mathis, mining men of Coffeyville, Kan., have taken a lease on the F. M. Smith property consisting of 80 acres four miles west of Smithville, and are at work. Most of their work has been prospecting, and special to the Gazette they have located some good runs of Zinc, Feb. 3.-Mining operations

Steady Shipping Expected.

da Corporation, reported. He said carbonate ores are bringing approximately \$17 a ton. Most of the present mining is being done on a small scale, the ore being reduced by hand jigs.

During the first World war sulphide Besides the metallis minerals, the survey has disclosed that Newton while zinc carbonate brought \$80 to while zinc carbonate brought \$80 to \$84 a ton at the bin, Mr. Durst, who owned and operated an interest in the Silver Hollow mine in Marion county during the war, recalled. Zinc sulphide carbonates sold at the smelters for

The present price of \$17 per ton for zinc carbonate is less than one-third the war price, while the present price of lead is more than one-third the war figure.

Tariff Policy Blamed for Price.

The nation's tariff policy receives the principal blame for the low price of ore. Removal of the tariff on ore has enabled Mexico, Canada and other ountries to undersell producers in the nited States. The ore imports last ear totaled one-half the entire prouction of Arkansas, Oklahoma, Mis-ouri and Kansas, Mr. Durst said.

The war created an abnormal demand for ores and miners profited handsomely. The tariff removal has had the opposite effect on the normal Crusher Has 75-Total

Carload of Zinc Ore Nets \$522.

week will be shipped henceforth.

MANY TUNNELS **BEING REOPENED**

Second Carload Of Zinc Shipped.

Samples of rich jack (sulphide were started again here this week, ore) have been taken from some of their shafts. The property was worked years ago, but at that time conditions weeks by sub-zero weather. One car were bad. Good highways which run into all sections of the field now another this week. This property is make mining much easier than it was being operated on a percentage basis by the miners. The property was one of the first zinc ore mined in north Arkansas was mined in the Calamine cate in the north Arkansas field durfield. One of the first zinc smelters erected in the United States was put in operation at Calamine in 1857 All that is left of the old plant is time six tunnels are in operation. Ten or 12 more will be opened up as fast as the miners can get to them. Some of them have caved in and all of them have to be retimbered. have to be retimbered.

New Shipping Docks To Aid Industry.

The Missouri Pacific railroad is building a big ore loading dock at Zinc, and another at Bergman, seven miles up the road, so that ore can be loaded easily from the docks to the Special to the Gazette. cars. Miners have been handicapped by lack of loading facilities, but the construction of these two docks will make loading easy for them and cut in Newton county, to J. A. Barker, who always owned a large state of the second county. down overhead. who already
E. P. ("Pete") Barham has taken a the property.

lease on 40 acres in Mineral Hollow, Leonard Richardson is associated with Mr. Barker in the operation of

two miles west of Zinc, and has open- the mining property. ed up an 18-inch face of free ore in his diggings. He is operating in two tunnels. One is 70 feet in length and the other about 50 feet. He expects to start shipping ore soon. His ore is

new ore bearing fault in Newton county. Under the supervision of Ralph Huddleston, has been in progress for 18 months, and about 60 per cent of the Newton county has been operated by the supervision of the Newton and shout 60 per cent of the Newton and shout 60 per cent of the Newton county has been operated by the supervision of the Newton county has been in progress for 18 months, and about 60 per cent of the Newton county has been operated by the supervision of the Newton county has been on progress for 18 months, and about 60 per cent of the Newton county has been operated by the supervision of the Newton county has been in progress for 18 months, and about 60 per cent of the Newton county has been in progress for 18 months, and about 60 per cent of the Newton county. county has been covered. In this area and shovel methods, by which produc-

ORE MILL NEARS COMPLETION AT **CANTON ZINC MINE**

Special to the Gazette.

Crusher Has 75-Ton Daily Capacity.

The mill was constructed from rough lumber, and while it could not A car of zinc ore shipped two weeks equipment is good. It consists of a A car of zinc ore shipped two weeks ago by Larry Doyle and Charley Smith, operators of the Coon Hollow mine, near Zinc, netted \$522, they reported on receiving a report from the Coffeyville (Kan.) smelters this week. The ore tested 23 per cent carbonate and 7.1 per cent lead, Mr. Doyle said. A car of high grade ore, bought from the Newton county and zinc fields, will be shipped Monday by the Manda Corporation to the smelters from the M. & A. ore docks in Harrison. Mr. Durst expects that a car a week will be shipped henceforth.

Work on the construction of the mill

at the Jack Pot mine has started again after being bogged down by sub-zero weather. The Jack Pot property consists of 80 acres and is now under lease to L. E. Braden of Dallas.

Tex. The mill is being constructed under the supervision of Art Goatley,

a pioneer miner and millwright of this section, who lives at Dodd City.

All of the machinery for the mill is on the ground, and the hoisting house

has been completed. Elmer Murphy, ground boss, said that the mill will be completed within six weeks or two months. The mill will handle 50 tons

a large tonnage of crude, which has to be milled before it is marketable.

Hundreds of tons of this crude or mill ore now is lying on the dumps,

Barker Buys

Zack's Canton

Mine Interest

3-10-40

Work Progressing

On Jack Pot Mill.

level. They have some water to con-tend with, and have to keep a pump Jasper, Feb. 10.—The concentrating plant at the Canton mine on Lower Mill creek, between Jasper and Harison, which has been under construction for the past four months, will be completed in a few days. Practically all that operators have left to do is to place belts in the fly wheels and start the engine. The construction of the mill was delayed several weeks by subzero weather.

The property on which the mine is located consists of 285 acres and is owned in fee by W. A. McCurry, who has been mining in north Arkansas for the past 25 years. The present operations are being conducted by Pete Barker, L. F. Richardson and Ray Zeck, all experienced miners from the Joplin (Mo.) field. They negotiated a 10-year lease.

Canton are very fa-orable. The mine is not more than 200 yards from Highway 7, which runs from Jasper to Harrison, and hauling costs will be w compared to those of more iso-

lated properties.

The Canton mine is one of several

mines and prospects on Mill creek, a small mountain creek which heads in the vicinity of Marble Falls, and dashes down a steep mountain incline into Buffalo river, about finding miles from the big springs from which it starts. The creek will furnish plenty of water for milling purposes, even in the driest weather.

Three Mines Producing In Rush Camp

Special to the Gazette.

Rush, March 16.—Three zinc mines in the Rush camp are shipping ore regularly. They are the Red Cloud,

Mackintosh and Silver Hollow.

The Red Cloud, owned by J. K.
Lyons and associates is being worked under lease by William Maxey and Afton Seaton, Rush miners. Their production is all gray and yellow carbonate, and they are mining approxi-mately a ton a day. The Red Cloud formerly was mined for jack or sulof crude ore a day, and should have a daily output of approximately 10 tons of clean ore a day. One large tunnel, 200 feet long, near the mill site has been cleaned out and opened up. Operators have a three-foot face of crowd ore applied to the control of the c phide ore. Several weeks ago the present leasers prospected the tunnels and found a run of carbonate about six feet wide and three feet thick and negotiated for a lease. They are selling their ore to the Manda Industrial good ore. Another tunnel that was their ore to the Man mined during the World war will be Corporation at Harrison.

Roscoe Hicks and Gus Sester, who with other associates have a lease on cleaned out and opened up for pro-duction as soon as the mill is comduction as soon as the mill is completed. Besides milling their own crude ore, they also will do custom milling for other mines in the camp which have no milling facilities. This will increase greatly the production of the camp. All the free ores mines produce at the Silver Hollow mine, about a mile below the mount of the camp tenness of crude, which has

low the mouth of Rush creek on Buffalo river. Charles Tigue and Les Cogman have a lease on this property and are taking their ore from an old tunnel about a quarter-mile from the opening. The vein is about four feet wide and six inches thick. They have to move a lot of rock to get the ore, but are making a steady but small

MINING ON Drag Line To LARGE SCALE BEGUN AT

BALD IIII

St. Joe, April 20.—J. C. Shepherd, who has a lease on the Big Hurricane mine, near Pindall, will install a drag line on the property soon and start to excavate the old ore bearing pit, which was filled with silt and rock during a cloudburst several years ago.

"We will use this equipment in cleaning out the old pit to a depth of the ore body," Mr. Shepherd said. "Beginning at that depth, we will sink to water level on the ore and work the cave Creek area, and soon truckloads of the refined ore will be moving from the mill to the ore docks at St. Joe.

The old with many contractions on the largest producers in the north Arkansas zinc field, and which for 20 years has been idle.

Ed Mays, well known Leslie resident and formerly operator of the big stave mill business there, last week leased the Evening Star mine, located about 12 miles northeast of Marshall, the parties leasing the mine being a group of Oklahoma operators who have secured other lease in that territory.

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Way Since September.

J. C. Shepherd has leased the Bald the largest producers in the field.

Hill, Confederate, Big Hurricane and other mining properties in the area.

Mr. Shepherd reported that milling operations at the Bald Hill mine in Nanten County. ore mill has been restored at the mines and prepared for operation last September by Mr. Shepherd.

mer and fall, many of the springs and wells being dried up. Recent rains have replenished the streams and there is an abundance of water at the mill and in the large reservoir, fed by a spring above the mill sufficient to operate the flotation system.

Approximately 50 men will be employed in the mining and milling operations and on the ore hauls to St.

Special to the Gazette. erations and on the ore hauls to St. Joe and car loadings there, when the mines are in full operation. After the Bald Hill and Confederate mines are placed in operation, Mr. Shepherd plans to start operations at the Big Hurricane mine south of Western of hemselvite iron over mines are of hemselvite iron over mines are placed in operation.

mountains, said that there is a mixture of ores, with a showing of gold, silver, rich zinc and lead deposits. The land is under lease to Hutchinson & Mays, a company of miners, including Dr. W. A. Hamilton of Clarksville, and on which a rich vein of gold was reported uncovered in December. Mr. Pellham believes there is a real treasure in the ore although it may treasure in the ore although it may not assay as heavily as first expected. Prospecting carried on by the group indicated that there is assurance the mines in the Limestone area will produce some gold and silver with good showings of zinc and lead, Mr. Pellham said. Extensive excavations have been made, but work temporarily has been halted until arrangements are made for handling the ore, he said. The Jack Pot mine, near Zinc,

operated by L. Braydon of Dallas, Tex., is producing a good grade of ore and zinc silicate, which runs a little better than a 42 grade, J. C. Durst, buyer for the Manda Corporation of Harrison, said. The mine is operated 14 hours a day with use of a crusher, rolls and hand-jigs.

Charley Christian, operator of the Bert McCarthy mines in the Ponca (Newton county) field, under lease, is producing a good grade of zinc and free lead of good quality. Development is in progress, opening up new ground with prospects of a good vein of lead. Showings in a cross-cut also are good Durst said, as well as the main

Mr. Durst bought 34 tons of ores from the Penca field, 20 tons from the Zinc field and the balance to make up a 56-ton car shipment from the Rush field.

Clean Out Big Hurricane

of the refined ore will be moving from the mill to the ore docks at St. Joe for shipment over the Missouri and Arkansas railway to smelters in Kansas and Missouri.

The old pit was about 150 feet in length, 70 feet in width and 60 feet in depth. When the property was being worked before and during the World war, crude ore was taken from the surface to the bottom of the pit. the lower runs being very rich in "jack." At that time it was one of

other mining properties in the area.

The Bald Hill and Confederate mines Newton county are progressing satistics two of the heaviest ore productory, and good values are being rewere two of the heaviest ore produc-ers of zinc during the World war. The Hill is producing both lead and zinc

Operations were delayed because of insufficient water supply caused by the prolonged drouth during the summer and fell many of the summer and the summe Shipped

4-28-40

placed in operation, Mr. Shepherd plans to start operations at the Big plans to start operations at the Big plans to start operations at the Big of hematite iron ore, mined in the Crove.

Mixed Ores Reported

In Limestone Area.

C. Reliber overe of land in the Company's mine at Crystal Springs, was shipped from In Limestone Area.

C. Reliber overe of land in the Charles B. Wier of Fort Worth, Tex., at the Gloria mine. This property is the old Jack Pot, Maumee and other mines in the Salo river area. A fortune in ores was taken from these fortune in ores was tak

railroad and the Arkansas Power and Light Company, will come to Russell-ville soon to examine mineral re-

The first shipment went to the daily. Standard Brake Shoe Company of Pine Bluff and Memphis, headed by also will truck ore to the mill. Ed S. Dilley, and will be used in the manufacture of brake shoes for rail-

Manganese ore will be marketed through Reed Dennison of Cushman.

Ore Shipping Is Under Way

Revives Hopes at St. Joe of Recovering Form-

er Activity. St. Joe—With the placing of two carloads of refined zinc ore on the loading dock on the siding of the Missouri and Arkansas railway here last week, the recently inspired hope of the townspeople that it would again become an important ore shipping center seems closer to realization.

tion.
This hope was raised six months ago when J. C. Shepherd, who in World war days was the largest zinc mine operator in north Arkansas, returned from his Mexican silver mines which were closed because of Mexican opposition to foreign operators and open again entered this. erators, and once again entered this

field.

The hope was held in suspense for several months when it was learned that there was a shortage of water to operate the ore mills at the Bald Hill mine, 15 miles west of St. Joe, in Newton county, which Mr. Shepherd had leased and which was to be the scene of his largest mine operation. The long summer

and autumn drouth had dried up the springs which furnished water for operating the flotation system at the mill. Now the springs are running and there is an abundance of water in the reservoir.

Will Soon Begin

Taking Out Or

Leases Zinc Mine in

North Arkansas Area Marshall—Announcement is made of the leasing of another of the mines which in World War days was one of the largest producers in the north Arkansas zinc field, and which

The old pit was about 150 feet in Zinc Miners Prepare For Better Days May 5, 1940

Special to the Gazette.

Harrison, May 4. — Although the price of zinc ore is not justifying great activity among larger mine operators in the north Arkansas field, many properties are being cleaned and the mills repaired, with many operators apparently anticipating good

so have obtained other leases in that area. A provision of the lease stipulates that a fully equipped will are the control of the lease stipulates that a fully equipped will are the control of the lease stipulates that a fully equipped will are the control of the lease stipulates that a fully equipped will are the control of the lease stipulates that a fully equipped will are the control of the lease stipulates that a fully equipped will are the control of the lease stipulates that a fully equipped will are the control of the lease stipulates that a fully equipped will are the control of the lease stipulates that a fully equipped will be a so that a full will be a full will be a so that a full will be a so that a full will be a full will be a so that a full will be be put on the property and in opera-

erator in north Arkansas, has started operations at the Bald Hill mine in

was shipped from the Big Hurricane mine during the World war. Mr. sources in this vicinity, Dr. Smith Shepherd has guaranteed to supply said. daily. Other miners in the Toma-hawk, Water Creek and Rush fields

Coon Hollow Zinc Mill Site Leased

5-19-40

Harrison, May 18.—Charles B. Wier, photographer of Fort Worth, Tex., has leased the mill site in the Coon Hollow Mining district, near Zinc, and work was started this week cleaning the property preparatory to

is used by most of the miners in the

An excellent deposit of mill ore has just been exposed, Mr. Wier said. Machinery is expected to arrive soon. Prospecting on 120 acres between Zinc and Bergman and owned by Mr. Wier has been under way for the past 15 months and there is a good showing

Manganese Deposit Surveyed. L. A. Watkins, president of the Missouri and Arkansas railway, and Missouri and Arkansas railway, and Fred Durst, mining engineer, spent this week in a survey of a manganese deposit uncovered in White county, near Letona, on the M. & A. railway. The Arkansas state Mineral Survey has been asked to survey the doposit to determine the extent.

Taking Out Ore in Missouri. Results of

St. Joe—A force of men were put work at the Big Hurricane mine mile west of Highway 65, midway etween Western Grove and Pindall, londay morning, to begin cleaning to the property preparatory to op-

stallation of a large capacity ore mill would be a necessity.

Mill at Zinc Completed.

Completion of an ore concentrating mine in the east part of Newton county, where an ore concentrating county, where an ore concentrating mill in the Zinc mining field will be completed within a few days, Larry

county, where an ore concentrating mill is in operation.

It is not yet determined in what manner the ore from the Big Huricane will be handled. A short time ago it was announced that a custom mill would be built at St. Joe of extra large capacity for milling ore, and that Mr. Shepherd had said 100 tons daily of ore for milling would be supplied from the Big Huricane, which being located only a mile from the paved highway, would make trucking easy.

It is said the construction of the

Mining activity continues over this whole field, especially among the smaller operators and the pick

Ed Mays of Leslie has leased the Gets New Evening Star mine, located about 12 miles northeast of Marshall, to a group of Oklahoma operators who

week at the mill site in the Coon
Hollow mining area, near Zinc, by
Charles B. Wier of Fort Worth, Tex., at the Gloria mine. This property is

Planned

GAZETTE 6-30-40

mining area in Searcy county was started this week in the St. Joe fault, L. A. Watkins, president of the Missouri and Arkansas Railway and mem- tion. ber of the National Defense Committee for Arkansas, announced.

The drilling program calls for 20 Lead Near Zinc. deep holes, which, it is believed, will be an exhaustive test for the St. Joe fault. Drills and machinery for the large scale drilling will be provided while funds for the operations, including fuel and labor, will be supplied by federal agencies. The drilling was started at the old zinc mines northwest of St. Joe running in an easterly

ed to advance. Two car loads of zine Luther Timbrook of Zine is workores, bought by the Manda Corpora-

tion at Harrison, are shipped weekly to smelters while five cars are shipped weekly from the Stark City mines

Results of the drilling program will water mine already have been secured by mining interests in the drilling area and if the indications point to rich veins, installation of a large capacity ore mill would be a pagestiv.

completed within a few days, Larry Doyle of Harmone, who is operating the old Alma mine, in the Coon Hollow mining field appearance. the old Alma mine, in the Coon Hollow mining field, announced this week.

The Alma was a good producer during World war days. Completion of the ore mill was delayed by equipment, the

Operating In Zinc Camp

Special to the Gazette.
Zinc, July 13.—Fourteen zinc mines zinc, July 13.—Fourteen zinc mines now are operating and producing in the Zinc camp, and the production, while small, is running about two cars a week. A large per centage of the production is zinc silicate. A small amount of free jack or sulphide ore is being mined. being mined.

Mill at Gloria Begins Production.

The first mill to be put into opera

Mill Considered.

In the event that it proves practical and profitable, a mill for running lower grades of the minerals may be constructed, Mr. Wier said. This is the only method of profit for some of the low grade ores. About 30 or 40 per cent carbonate ore zinc is the type of ore encountered at the present, Mr. Wier said.

Preparations are being made to rid the old shaft of water for exploration for further mining. Ancil Davis is foreman in charge of drilling. Mr. Wiet free and dissiminated silicate ore in will remain at the mining area for the their tunnels, with one small face of next four weeks supervising the work

Survey Of

St. Joe Fault

St. Joe Fault

St. Joe Fault

Ben Lacey Mining

The first lead ore produced in the Ben Racey, about three and one-half

Springs and is making a small production of both free lead and zinc ore. his property is known as the Rose-

The old Minnie Lee mine near Zinc determine whether an ore concentrat- is now under lease to Arvil and Raying mill will be established at St. Joe, mond Timbrook, Fay Whitesides and Mr. Watkins said. Options and leases Gordon Brown. They call themselves the Big Four, and are making a good

Jack Pot

Special to the Gazette.

Harrison, July 13. - The Arkansas Production Company, Inc., of Little Would make trucking easy.

It is said the construction of the mill at St. Joe is still under discussion and that plans are that if constructed it will accommodate also the mines in the Tomahawk and Water Creek country, as much as 15 miles northeast of St. Joe, from which section large quantities of free ore are now being brought to the railroad.

Total total confidence of the Missouri and Laken over the lease of the Jack Pot mine, near Zinc in Boone county, L. A. Watkins, president of the Missouri and Arkansas Railway, announced today. Operations will start Tuesday. Ore products will be brought to Harrison and sold to the be brought to Harrison and sold to the Manda Corporation for shipment to the markets.

The company expects to handle 50 tons of dirt daily after a few minor changes are made in the mill. The company is an Arkansas corporation owned exclusively by Arkansas cit-izens, Mr. Watkins said.

It has been the policy of the rail-road officials to try to get Arkansas people interested in financing home-owned industries and with the Arkansas Production Company starting op-erations in this area the plan is beginning to get under way, Mr. Wat-

"National defense activities," we believe, "are going to increase the price of zinc and lead and we think now is the time to become more active than we have been in the mining

Shepherd Mill At Alice Mine Completed Gazette 7-14 -40

Special to the Gazette.

Mountain Home, July 13.—J. C. Shepherd, who took a lease on the old Alice mine in Ozark county, Missouri, just north of the Arkansas line, has completed a mill on the property and now has it in operation. He is shipping three cars a week and expects to increase this production. This property was operated early in the 1900's by the Dwyer interests, who also operated an oxide plant at West Plains, Mo. The ore is a lof grade carbonate of zinc ore, carrying about 26 per cent zinc and 20 per cent iron. The present production is going to a barnical concern which me. The chemical concern, which matures paint pigments from it. Shepherd also is making a fair production at his Bald Hill mine in Newton county, Arkansas, near St. Joe.

New Equipment For lack Pot Mine.

8-4-40 special to the Gazette. 8-4-40
Zinc, Aug. 3.—Installation of
new equipment in the concentrating plan at the Jack Pot mine, near here, has been completed this week. overlooked.

L. B. Forsee, who owns the old Madison mine near Zinc, is operating the property in a small way, and is making a nice production of free silicate ore.

It consists of a bucket elevator, another set of rolls and a rotary sizing screen. This equipment will give the mill a larger production capacity, and will size the crushed GAZETTE 6-30-40

ore.

Pearl Whitesides is producing free or the Vina Jackson 40 in Buck the ji, s, which will make concentration easier. Concentrating now is the porth Arkansas Hollow.

With the new equipment now being installed, the plant will be able to crush and concentrate approximately 25 tons of crude ore a day. The mine has a big tonnage of disseminated crude ore in the faces, and a considerable amount of free Zinc camp in many years is coming from a lease now being operated by sor and jack hammer, which will increase the production of crude,

federal agencies. The drilling was started at the old zinc mines northwest of St. Joe running in an easterly direction for more than 20 miles to the vicinity of the Maumee and Jack Pot mines on the Buffalo river.

As a result of the national defense program, prices in zinc ore are expect-

Ponca Field Producing Lead, Zinc

Pete Wells, who has leases on tons of "dead" coal a month from the Brewer and Baker mines here, is the largest producer in the dis-is coal "weathered" so that it has is the largest producer in the dis- no steaming qualities. trict. He is being assisted in concentrating the crude ore from the Baker mine by Jack and C. Hymer, Ray Trindle and Orin Troutman of Joplin, Mo. They have set up a hand jig by the creek at the foot of the hill below the mine and are haulin; crude from the mine to the jig. The crude from the mine to the jig. The crude from this property is very rich. Two of the men working only two and a half days recovered two and a half tons of lead and two tons of zinc carbonate. These Joplin men have all nate. These Joplin men have all days a week.

The State field. They The slab zinc is used by galmined in the Tri-State field. They say that the Ponca district offers wonderful opportunity for zinc and lead mining.

In an interview with Pete Wells, regarding the Baker and Brewer mines, he said:

"The Baker mine which I am working under lease, contains 160 acres and is a good producer. The openings on the property consist of one shaft 125 feet deep, with sev-eral drifts, one big open cut and one tunnel. These are all in ore. Galena, dry bones (or lead carbonate, and carbonate of zinc are the ores mined on the property. All of the openings are in true fissures.

"The Brewer mine, which adjoins the Baker, is located on a 40-acre lease. The principal opening on the property is a 65-foot shaft, from which a number of drifts with good ore faces run. This mine also produces galena, dry bone and zinc carbonate. Crude ore from this mine is now being cleaned by sluicing and hand jigging. There is a 100-ton concentrating mill on the property, which I expect to get into

100-ton concentrating mill on the property, which I expect to get into operation soon. It has no concentrating tables and I expect to add several of these to the equipment."

In addition to the leases on the Baker and Brewer mines, Pete Wells owns 400 acres of good zine land on Buffalo river, below here.

The Christian mine, three-quarters of a mile above Ponca, on Adds creek, is also making a good production of lead and carbonate. It is operated by Charles Christian It is operated by Charles Christian of Hill Top. He has a carload of ore on the dump now awaiting

shipment.
The ore here also occurs in a fissure vein and mining operations are carried on by a series of shafts and drifts that follow the vein. Mr. Wells said that hundreds of tons of drymbone (lead carbonate)

had been thrown into the waste piles as waste, when it was really valuable ore. It looks like limestone rock, but is very heavy, and carries from 60 to 75 per cent lead. Considerable ore has been recovered from the waste piles and cleaned

Zinc Field Review Compiled.

A review of the Ozark Zinc and lead district has been compiled by L. H. Hand, manager of the Ozark Mine Owners League. The review contains facts and information pertaining to ore deposits and mines in the field. Published in a 49-page pooklet, the review lists the developments and properties of 45 representative mines. Membership dues of the Mine Owners League helped pay for the limited investi-

melter At Fort Smith To Expand

9-1-40

tons, will be placed in operation at the Athletic Mining and Smelting Company smelter here about next Saturday, Raymond F. Orr, vice president and general manager, president and general manager,

said today.

The block has been under construction since June, with approximately 60 men engaged in the

Construction of the furnace block gives the plant five furnace blocks or 10 furnaces, with 4-160 retorts. The addition will require an increase in the working crew from 185 to about 200 men, Mr. Orr said.

with developments now planned, 25 per cent and the company will the production should be doubled by late fall.

25 per cent and the company will buy about 25 per cent more "dead" coal for use in the retorts. The plant has been using about 1,000 plant has been usin

vanizers, rolling mills and brass manufacturers

War Affects Plant.

The war has affected the local plant, indirectly, Orr said. It has stopped the importation of slab zinc from Belgium and other Eu-ropean countries, which before the war had been favored by a reduced

"As a matter of fact," said Orr "if this war keeps up, England soon will have to be importing slab zinc from the United States."

Another thing has happened, which affects the plant in another way. The local firm formerly bought all its ore from the Joplin field, but this field now cannot take care of all its orders, and the plant is buying ore not only from Joplin but from New Mexico and from a new field in Illinois, which never before produced are force. never before produced ore for a smelter.

A month ago the Arkansas Smelting Company at Van Buren added two furnace blocks or four furnaces. The staff of employes was increased 15 to 20 men.

Zinc Mining Pay Rolls Up

Revival in Four-County Area Gives Employment to 300,-40

ment to 300
DemoCPat 5-19-40
Zinc—Cleaning up of old zinc mines and renovating of ore reducing mills in this field was begun six months ago with the hope that the European war would bring an advance in the price of zinc to the level of 1914-18. Owners said they were preparing their mines and mills for full production "just in case."

The price advance has not yet arrived, but many of the mines and mills are operating at a moderate profit, and in the neighborhood of Zinc 50 men are employed as "pick-and-shovel" miners and are earning good wages.

good wages.

Last week a new operator entered this field in the famous Coon Hollow district, where several mines and two reducing mills were already in operation. Charles B. Wise of Fort Worth, Tex., has taken a lease there on the site of an old mine and mill, and is associated in the venture with Ancil Davis on whose land the mine is located.

Mr. Wise has placed an order for mining machinery, including a large capacity air compressor, which will furnish power to the jack-hammer drills in this mine and also to operators on adjacent properties. An unusually high grade of zinc carbonate has been found on this property and tunnels and inclined shafts will be constructed to make the main leads available. leads available.

L. C. Rayden, operator of the Jack Pot mine, and Larry Doyle, operator of properties in Coon Hollow, both have mills in operation for reducing their are produced and proving their production. ducing their ore, and are making shipments from the Missouri Pacific station at Zinc.

special to the Gazette.

Fort Smith, Aug. 31. — A fifth furnace block, which will increase the capacity of the plant from 50 tons of slab zinc daily to 60 to 70 tons of slab zinc daily to 60 tons of slab zinc daily to 60 tons of slab zinc daily tons of slab

operation in the eastern par full operation in the eastern part of Newton county are supplying more than a carload of milled ore each week for shipment from St. Joe. Lead and zinc shipments from the Pocna field in Newton county are sending two carloads a week to the smelters at Coffeyville, Kan, and other points.

Good Strike 8-4-40 Special to the Gazette. Ponca, Aug. 3.—Shipments of both lead and zinc ore are being made regularly from Ponca, and with developments now planned 25 per cent and the company will Of Lead Ore

Special to the Gazette.

Harrison, Oct. 5.-James Crumpacker, who operates a lead mine on Short mountain, five miles east of Lead Hill, reported a good strike

of lead ore this week. He has leased the John H. Roy mine. New mining machinery was hauled to the mine this week to expedite mining operations. Shipments of lead ore are slated to start moving soon. The mine is located in the area which has become famous for its lead mines, operated profitably in the early "90's" and from which the town of Lead Hill ed its name

Oklahoma Firms Interested.
Miami and Picher (Okla.) mine operators are becoming interested in the mineral developments in the north Arkansas region, J. R. Harlin, well-known mine operator of Miami, said this week while on a ties. He said that major interests latter on hand jigs. may undertake operations on a large scale.

500-Pound Chunk of Free Lead Ore Recovered.

Special to the Gazette 10-14-40
St. Joe, Oct. 12.—J. C. Shepherd, who is operating the Bald Hill and Old Confederate mines near here, has a power shovel in operation at the latter mine. Most of the dirt the machine is recovering is mill dirt. One day this week, however, it turned up one chunk of free lead that weighed approximately 500 pounds. Mr. Shepherd also has completed a log washer. The mill dirt is passed through this first, which removes all of the clay and other solubles and the solids are passed through a regular ore concentrating mill. Lack of water is impeding his milling operations.

Water Needed At Several

Mines

Gazette 10-14-40

Special to the Gazette.

Harrison, Oct. 12.—Active mining Harrison, Oct. 12.—Active mining and milling operations at several of the producing mines in the north Arkansas area have been retarded the past two weeks because of a shortage of water. Leases on old proven mines are being obtained in the past two weeks because of a shortage of water. Leases on old proven mines are being obtained in the past two weeks because of a shortage of water. Leases on old proven mines are being obtained in the past two weeks because of a shortage of water. Leases on old proven mines are being obtained in the past two weeks because of a shortage of water. Leases on old proven mines are being obtained in the past two weeks because of a shortage of water. Leases on old proven mines are being obtained in the past two weeks because of a shortage of water. Leases on old proven mines are being obtained in Newton county, and the Alice mine in Ozark county, Mo., is making a good production at this time at the Alice, and is operating his mill at the Bald Hill and Old Confederate, in Newton county, Mo., is making a good production at this time at the Alice, and is operating his mill at the Bald Hill and Old Confederate, in Newton county, Mo., is making a good production at this time at the Alice, and is operating his mill at the Bald Hill and Old Confederate, in Newton county, Mo., is making a good production at this time at the Alice, and is operating his mill at the Bald Hill and Old Confederate, in Newton county, Mo., is making a good production at this time at the Alice, and is operating his mill at the Bald Hill and Old Confederate, in Newton county, Mo., is making a good production at this time at the Alice, and is operating his mill at the Bald Hill and Old Confederate, in Newton county, Mo., is making a good production at this time at the Alice, and is operating his mine in Ozark county, Mo., is making a good production at this time at the Alice, and is operating his mine in Ozark county, Mo., is making a good production at the Alice, and is operating his mine in Ozark county, Mo., is mak proven mines are being obtained ing the depression and resumed operations about two years ago on kansas zinc and lead field.

Milling operations have been stopped because of a water shortage at the Bald Hill and Confederate mines in the eastern section of Newton county, Fowler Belcher, mine superintendent, said. The mines are two of the J. C. Shepherd properties. However, the steam shovel at the Confederate mine still is in operation cleaning out the old pits and opening up new ore veins. As soon as mining operations are resumed at the Bald confederate of the management of the management and the raised the grade of the ore produced at the Alice to a satisfactory metallic content, which gives him a better market.

Roy Dardin has a small custom mill in operation in the Rush Creek district in Marion county, and is making a fair production of concentrates. A considerable part of the crude he now is passing through the plant is coming from the dumps, at mines that have been operated for the alice to a satisfactory metallic content, which gives him a better market.

Roy Dardin has a small custom mill in operation in the Rush Creek district in Marion county, and is making a fair production of concentrates. A considerable part of the crude he now is passing through the plant is coming from the dumps, at mines that have been operated for the alice to a satisfactory metallic content, which gives him a better market.

Roy Dardin has a small custom mill in operation in the Rush Creek district in Marion county, and is making a fair production of concentrates. A considerable part of the crude he now is passing through the plant is coming from the dumps, at mines that have been operated for the alice to a satisfactory metallic content, which gives him a better market.

Roy Dardin has a small custom mill in operation in the Rush Creek link. Ore can be obtained in practically unlimited quantities.

Smelter Capacity Weak Link.

The smelter branch is the ore production of concentrates. A considerable part of the crude he now is passing through the plant is coming from the dumps, at mines that have been operated for the alice to a satisfactory metallic c operations are resumed at the Bald Hill and Confederate mines, it is expected that the power shovel will be transferred to the Big Hurricane mine, south of Western Grove, has been hauled to market, Mr. which in World war days was one of the heaviest zinc producers in the north Arkansas field.

Of the heaviest zinc producers in Arkansas Employes of Zinc Control of the north Arkansas field.

Copper Mine May Be Tested.

Negotiations are under way with several large mining interests for leasing of proven ore deposits.

Firm, Receive Banuses Of Z leasing of proven ore deposits and also new prospects if war markets create a demand for further operations of the zinc and lead mines, George McClain of Maumee, one of the largest owners of mineral lands in this area, said here this week. He is the owner of the old Tomahawk copper mine, seven miles northwest of Gilbert. Drilling operations may start soon at the Tomahawk to determine the extent

with Mr. McLain with a view to reopening some of the mines in which both men are interested. Mr. Palmer operated the famous Jack Pot mine, 15 miles south of Yell-ville, in the World war days. Mr. Palmer said that one obstacle to profitiable mining operations 20 profitable mining operations 20 years ago was the long ore hauls And Copper to the railroad over poor, mountain roads. Road improvement, including a network of farm-to-market roads built over this entire area in the past two years, has solved this problem and large trucks now can operate from railroad points to inland mining properties. A. J. Deu-Pree and Tanner DeuPree, who have mining interests in this section, accompanied Mr. Palmer.

New York, Jan. 15 (P).—C. Donald Dallas, president of Revere copper and Brass Inc., said today "there simply isn't sufficient copper and zinc available in the country to supply the demand."

"Even at our [company's] pres-

Addition Made To Gloria Mine Lease.

Special to the Gazette. 10-14-40 increases in productive capacity now under way will make this condition extremely serious.

"Copper mines in the United ating a small mill, have bought a lease on an additional 300 feet from William Thornton. The old Gloria zine mine is located on their new holdings, and is producing a large tonnage of mill dirt, practically all of which is silicate of zinc. The mill is making a production of approximately three tons of clean ore addy, on the days it is in operation.

States are operating at capacity yet stocks are being reduced at the rate of about 20,000 tons a month and there is practically no copper for sale at the present time. Hence, buyers are bidding premiums for what small lots are offered."

The federal deal to bring in 100,000 tons of foreign copper, starting in March, Dallas claimed was independent of the present import tariff to

Enters Zinc Field

Ponca—One of the largest entrants into the zinc and lead field of north Arkansas in point of acreage of land leased during the past few months is W. O. Kruger of Atlanta, Ga., who has either leased or bought 3,600 acres of mineral lands in the Newton county area between Western Grove and Ponca, and now has a force of 20 men employed in that area prospecting some of land and developing known deposits. The work in Newton county is being directed by E. M. Walker of St. Joe, who directed many mine operations in World War days.

Pleas Green Lead Mine Has New Lessee.

Mr. Ragland believes he has one Mr. Ragland believes he has one of the largest lead producers in this section. He also is interested in other mines in this area and believes that material needed in the defense program soon will give stimulus to lead and zinc mines in this area.

Spectal to the Gazette. Harrison, Jan. 18.—There has not been much increase in the production of lead and zinc in the north Arkansas field thus far this winter, but an anticipated higher price soon promises to step up the production in the early spirits. in this area.

Christian Operations at Ponca

other mines operating in the Ponca, Boxley and Kingston fields has been slowed down until the mass

Miami, Okla., Dec. 24 (AP).-The Eagle-Picher Mining and Smelting Company announced Christmas conuses of two per cent of annual unofficial estimates placed the total at around \$50,000. Those receiving bonuses included 1,500 mine and workers in the tri-state areas; smelter workers at Henryetta,

The St. Louis Shelting and the companies operators, who evidently did not to 320 employes. Most of the small-ing and the copper ore deposits.

Roads No Longer Hindrance.
N. A. Palmer of San Antonio, employes turkeys and hams.

Gazette 1-16-41

New York, Jan. 15 (A).-C. Donper and zinc available in the country to supply the demand."
"Even at our [company's] pres-

ent capacity production," Dallas said, "running six days a week, three shifts, we are facing a shortage of raw materials. Substantial

the Almy tract, and are now oper- States are operating at capacity yet

ing the present import tariff to two cents a pound from four cents; ing most of the 40 acres of the Almy (2) or by setting the tariff at two tract, which lies across the hollow cents a bound in a reciprocal treatv lin, well-known mine operator of tract, which lies across the hollow diami, said this week while on a from the Gloria, and will continue tour of the zinc and lead areas in operations there. He is mining both Boone, Marion and Newton counfree ore and mill dirt, cleaning the ties. He said that major interests latter on hand jigs. low copper to flow in.

Zinc Shortage Acute.

The situation in zinc is still more acute. Dallas said, "because there is a bottleneck both in prime Western and in the refined grades necessary for the manufacture of cart-ridge brass."

Dallas estimated 1942 zinc consumption in excess of 1,000,000 tons. This contrasted with other estimates that use would increase from around 600,000 tons in 1939 to about 800,000 in 1941. In 1942, he added, consumption would be still greater as new brass mill produc-

Zinc, Lead

1-19-41

production in the early spring.
J. C. Shepherd, who is operating the Bald Hill and Old Confederate, producing a big tonnage of car-bonate. He also is operating a mill year's requirements. Those estion the same property. By more mates have been abandoned be-thorough washing and concentrat-

John Dirst Plans Mill.

John Dirst, who has a lease on the Silver Hollow mine in the Rush Creek district, contemplates erect-

duction is coming from the dumps Okla.; 250 workers at Galena, Kan., and 275 at Van Buren, Ark.
The St. Louis Smelting and Reat the Brewer mine. A large amount

mixed ore this week. W. A. McCurry, a pioneer miner in the field, who has a lease on the Chimney Rock property, expects to start operations soon. Prices of Zinc And Scrap **HeldTooHigh**

He also is getting some galena. Charles Christian, who is operating the Ponca mine, sold a car of

Gazette 1-25-41

Washington, Jan. 24 (A).—The contention that prices of scrap and secondary zinc were unduly high was advanced today by the Defense Commission following a conference with representatives of the industry. Lean Handarson defense comtry. Leon Henderson, defense com-missioner in charge of price stabilization, said the group agreed to submit a report in a few days on how requirements of customers may be adequately met during the national defense preparation.

"Although the price of primary zinc has remained at 7.25 cents per pound at East St. Louis the past four months, some producers of secondary zinc recently have been charging premiums above the price," the commission said. "The price of zinc scrap, source of the secondary zinc, has jumped sharply. "It is clear that the actual ton-

nage of metal which has been sold above the base price is very small compared to sales of primary and secondary zinc. Nevertheless, the sales are undoubtedly an unsettling influence on the market.

"Some secondary producers and scrap dealers have contributed to the situation by 'over-reaching'—trying for the highest price obtainable. In addition, consumers have been made unduly anxious by exaggerated rumors of shortages and high prices.'

Priority On Inevitable

Gazette 1-26-41

New York, Jan. 25 (A).-Trade quarters here today said establishment of a priorities system for zinc was "inevitable" because of inability of the industry to supply defense, British and civilian needs

National defense officials asked that unnecessary buying of zinc temporarily be suspended to keep price levels stable. The commission charged that prices of scrap and secondary zinc were unduly

Users who need zinc for such urgent projects as army cantonments find it possible to obtain immediately only trifling amounts. Waiting lists are maintained and delivery dates stretch months ahead

in some instances. Representatives of the industry met with government officials several months ago and planned ex-

one week's supply, lowest since September, 1937.

ing a mill on the property soon.

The Gloria mine in the Zinc district in Boone county, still is operating part time and producing a small quantity of zinc silicate consentrates.

Cember to the lightest level of the ligh

Operations in the Ponca district in Newton county have been continuous all winter, but the production has not been large.

Next move probably will continuous from Washington, where Leon Henderson, price commissioner in charge of price stabilization, is charge of price stabilization, is tinuous all winter, but the production has not been large.

Charge of price stabilization, is every charge of price stabilization charge. Stabilization of Zinc Prices to Be Sought.

Washington, Jan. 30 (A).—Leon Henderson, price stabilization commissioner for the Defense Commission, said today measures would be adopted soon to end "the present unstable and dangerous price situation" in the zinc scrap and secondary zinc markets.

Recommendations have been submitted by an industry committee appointed by Harry Goldstein, presdent of the National Association of sent zinc scrap dealers and second-ary smelters. Henderson said its report merited "careful analysis."

Rogers Hotel Owner to Head New Mining Firm.

bakery and hotel owner here has terials. been elected president and treasurer of the Harris Mining Company by the stockholders. Incorporation papers and application for a charter have been mailed. The company was formed several weeks ago to operate zinc mines near Aurora, Mo. The company owns 100 acres on which there are two shafts, one 283 feet and the other

Lead Mine Being Opened Up In

East Boone County.

Special to the Gazette.

Harrison, Feb. 1.—Thomas W.
Wilmoth of Fort Worth, Tex., and
L. B. Foresee of east Boone county
have leased 40 acres of the John
Roy mining property, near Peel,
and are even lead with the commission of the State Agricultural and Industrial Commission, on the matter. and are opening a new lead mine.

Surface lead ore is making a good showing, Mr. Wilmoth said here, and a fair grade of ore has been uncovered in a new 12-foot tunnel leading to the new mine. Two other men also are employed at the mine.

Agricultural and Industrial Commission, on the matter.

The two Arkansas men are seeking to obtain a REA transmission line from the Grand River Authority dam in Oklahoma, to the zinc mining areas of the state.

Mr. Fitzhugh said the REA was prepared to install the lines if the

Power for Zinc

Mines Sought

Democrat 2-6-41

Thomas Fitzhugh, chairman of the State Department of Public Utilities, and State Geologist George Branner scheduled a conference with Rural Electrification Administration officials in Washington today on a proposal for a transmission line from the Grand River dam in Oklahoma to north Arkansas zine and lead fields.

REA Asked To Construct Power Line

Gazette 2-7-41

Washington, Feb. 6 (A).-Three Arkansas officials asked the Rural Electrification Administration to-day to examine proposals for fi-of considerably more being develnancing power lines to serve a oped. group of lead and zinc mines in north Arkansas.

They were Thomas Fitzhugh, chairman of the Arkansas Department of Public Utilities; Dr. George Branner, state geologist, and H. Thatcher, executive director of

Adkins had advanced a plan to make low-cost electrical power ville regarding the construction of available for lead and zinc mining defense power facilities at the Norand milling both as a national de- fork dam. fense measure and as a method of improving economic conditions the mining area.

The Arkansans suggested that the

velopment of a manganese field Arkansas railway officials from east of the lead and zinc district Stark City, Mo. Labor is being furalso was discussed. The officials planned further conferences with Most of the producing zinc mines

ment to establish a system of prior-

ities, it was learned today. Officials indicated imposition of priority controls in the near future was improbable, and would be avoided if possible. Before resort to direct control, it was said, the OPM probably would ask producers to allocate deliveries or attempt by other means to work out orderly plans of distribution to industrial consumers.

Although priorities have been applied to army and navy supplies and some semi-finished products essential to the armament program, Special to the Gazette, I-2I-41 essential to the armament program, Rogers, Jan. 20.—Earl A. Harris, none has been issued on raw ma-

REA Power

Wayne Stair, production super-intendent, was named vice presi-dent, and Loren J. Ely of Benton-ville, secretary.

Democratical Production Super-The possibility of getting REA power lines into the zinc mining power lines into the zinc mining sections of the state "looks favor-able," but considerable more study

prepared to install the lines if the project could pay its way.

The fact that the zinc areas are widely scattered, and mine owners tentative plan to use the power for mining only, and not for smelting purposes, are creating difficulties in obtaining the program, Mr. Fitzhugh said. He added an effort was being made to induce the mine owners to install electric smelting plants, thereby using more power and making the transmission lines more justifiable.

Gazette 2-23-

Power Line Will Depend Upon Potential Industrial Load.

the Oklahoma Grand river dam to the north Arkansas zinc and lead region apparently will depend on the potential industrial load, Rural Electrification Administration officials indicated in Washington conferences with Arkansas representatives last week.

Development of the Arkansas zinc district would offset the steadily increasing national zinc shortage.

Jead industry much more by opening up or either to finance production and milling of ore than it could in approving a \$614,000 REA line which state officials have requested was expressed by J. H. Hand of Yellville, manager of the Ozark Mine Owners League, today.

Because the present problem fundamentally is not one of power but of lack of machinery, expenditude the Gezette 3-16-4

increasing national zinc shortage. Dr. George C. Branner, state geolothere are estimated at from 125,000

State Geological Survey estimates during the past two years regarding reserves in 174 Arkansas zinc mines were submitted.

Dr. Branner, Chairman Thomas Fitzhugh of the Utilities Commis-sion and H. K. Thatcher, director the Arkansas Agricultural and Industrial Commission.

The officials said Gov. Homer M.

of the Agricultural and Industrial Commission, conferred with William Knudsen, Office of Production

Uncover Carbonate.

REA finance a transmission line from the Grand River dam, in Harrison, Feb. 15.—Test drilling from the Grand River dam, in Oklahoma, to the Arkansas lead operations along the fault line exand zinc fields. Such a line, they said, would provide a source of low-cost wholesale power to two existing REA systems, the Carroll Elec- northern part of Searcy county to tric Co-operative, and the Ozark Rumal Electric Co-operative. They east of the Big Hurricane, Ras estimated that the cost of putting Gaines and W. T. Davidson, farm-

the district on a production basis would be about \$614,000.

Test drilling was started several The posibility of eventually mak- weeks ago when the drill rigs were electricity available for de- located there by the Missouri and

the REA before returning to Arin Searcy county are along this
kansas.
fault line. Drilling first was started west of the Big Hurricane, and the drills have struck a sheet of carbonate of zinc not more than 30

expected that operations on a largethey now carry ore reserves, such er scale will be undertaken soon, as to assure quick and large pro-Power shovels will be used to move duction. But their operation is out the dirt over the shallow carbonate of the question since they are withof zinc deposits.

Mill Planned At Lone Star Zinc Mine

ore mill was started this week at equipment, particularly since the power factor is a minor item in the Lone Star mine in Searcy county, one and a half miles south

He said that the cost of a mill sum to its "lair," but expects to.

Several days ago he had eight nounced.

Hand drills were used this winter during the prospecting period in the tunnel and surface mining, Mr.

Mr. Palmer operated several zinc mines in this section during the Star mine.

More Needed

Gazette 2-23-41

Yellville, Feb. 22. - Belief that basis. the federal government could Production In assist North Arkansas's zinc and Construction of a power line from the Oklahoma Grand river dam to lead industry much more by open-

but of lack of machinery, expenditure of \$614,000 for an REA line

heartened by the interest shown by state officials but believed that an

always would be the cheapest form of power, especially in the remote areas. No details of a loan system whereby the government would aid whereby the government would aid as the World war did. Ten big mills proximately a carload of mixed lead as the World war did. Ten big mills always would be the cheapest form tions. lead and zinc miners was suggest-ed. The R.F.C. makes mining loans only for strategic and critical min-

Efforts "Appreciated."

out facilities for economical mining

first and paramount essential factor is equipment for mining and milling before zinc production can be established in this field on a substantial basis, even at the best proven mines, and that power facilities, even if offered as a gift, and not save least mining intercould not serve local mining interests any useful purpose until these other essentials can be made avail-Special to the Gazette.

Harrison, Feb. 22. — Erection of would seem logical to procure fia 100-ton capacity concentrating nancial aid first for mine and mill

of Maumee, N. W. Palmer of Harof a capacity of 100 tons daily was
rison, one of the owners, anof a 200-ton mill was approximateof a 200-ton mill was approximately \$40,000. These figures include mine dump. It is common knowledge that zinc carbonates in some The mine is being operated by cost of individual power units of the Ozark Zinc Mining Company, the Ozark Zinc Mining Company, and content of the North Arkansas field carry a small content of caderic carry and carry and equipment was hauled this week to the site. Equipment includes air compressor drills. Hand drills were used this winter the optential mining investors out of assayed as a whole from the dump, the said of the north Arkansas field carry a small content of caderic carry a small carry a small content of caderic carry a small content of caderic

Mr. Hand said that present dis-Palmer said, and a quantity of high grade zinc carbonate is piled on the dumps waiting for the mill to vented acceptance.

He estimated that if \$614,000 were mines in this section during the first World war, including the Lone mills at a cost of \$30,000 each, the section could produce 150 tons of concentrates daily. Such a set-up would employ 400 men, he said.

"The present problem is not that of power but the implements with of power but the implements with which to prosecute mining in strong productive fashion," he concluded. "If private enterprise fails to act, then the government might consistently broaden its policy of aid to England, so as to stimulate its supply of zinc by furnishing us tools to work with, not on lend-lease basis, but on a sound loan lease basis, but on a sound loan lease basis, but on a sound loan lease basis.

Special to the Gazette. 3-16-41 Rush, March 15.-While the progist, informed defense authorities. would be "getting the cart before Known recoverable zinc reserves the horse," he declared. Mr. Hand, long a leading figure in the state's mining field, said that members of the league were heartened by the interest shown by

> First announcement of the proposal was made from Washington, D. C., by Thomas J. Fitzhugh, chairman of the Arkansas Utilities Commission, and Dr. George C. Branner, state geologist. The dispatch quoted these officials as saying that Governor Adkins had advanced a plan to make low-cost electrical power available for lead and zinc mining and milling, both as a national defense measure and for improving economic conditions as a national defense measure and for improving economic conditions in the mining area.
>
> Most of the dirt milled has been hauled in from old dumps. It has been a big help to the small minto nty Pete Wells is operating the country of the dirt milled has been hauled in from old dumps. It has been a big help to the small minto nty Pete Wells is operating the country of the dirt milled has been hauled in from old dumps. It has been a big help to the small minto nty Pete Wells is operating the country of the dirt milled has been hauled in from old dumps. It has been a big help to the small minto nty Pete Wells is operating the country of the dirt milled has been have a conditions and the country of the dirt milled has been have a conditions and the conditions have a condition of the dirt milled has been have a condit in the mining area.
>
> Mr. Hand estimated that \$614,000 would enable 20 mills of 100 to 200tons-per-day capacity to be built.
>
> He expressed doubt that electricity He expressed doubt that electricity elevery would be the cheapest form.
>
> He capacity would be the cheapest form.

as the World war did. Ten big mills were in operation in the camp during that period, and hundreds of tons of ore was mined and sold weekly. Rush then was one of the Mr. Hand said that efforts to ob-tain the REA line would be ap-South, having a population of more preciated by mine owners, mine than 3,000 persons. The price of ore workers and the residents of the then ranged from \$60 to \$80 a ton. workers and the residents of the section not now enjoying electricity. Now the top is around \$24 (40 per Such a line, however, would not cent ore). Mining conditions now effect the desired goal, he predicted, due to the lack of available machinery. He said that power was day and a half to haul a ton of ore to shipping points. Now as weakmachinery. He said that power was day and a half to had a ton of each one of but not the foremost requisite for a mining boom in the field.

"During the war period of 1915-18, several local mines were equip-18, several local mines were equip-18. Several small operators in the county with a view of acquiring the county with a view of acquiring ore, states that within six weeks he will put in operation the three other large producing zinc mines under large pro

No Priorities on Zinc, Nickel And Aluminum. Gazette 2-8-41 Washington, Feb. 7 (P).—Some industrial consumers, concerned over possible shortages of aluminum, zinc and nickel, have asked the Office of Production Management to establish a system of priorities it was always at the concerned the office of Production Management to establish a system of priorities it was always at the surface at the deep-daily capacity, mostly built on short daily capacity, mostly built on short daily capacity, mostly built on short term leases, and mills were distant the sheet seems to be found at many places along the fault line and that it easily can be mined with a power shovel. Some work is under way at the Big Hurricane, one of the J. C. Shepherd lease properties, and it is when they were closed down, and they now carry ore reserves, such that the sheet seems to be found that the sheet seems to be found at many places along the fault line mantled as leases expired after the war," he said. "Shipments of zinc ore during 1917 amounted to 24,000 tons. Most of the mines were in their better stages of production when they were closed down, and when they were closed down, and they now carry ore reserves, such that the sheet seems to be found that the sheet seems to be found that it easily can be mined with at many places along the fault line war," he said. "Shipments of zinc ore during 1917 amounted to 24,000 tons. Most of the mines were in war," he said. "Shipments of zinc ore during 1917 amounted to 24,000 tons. Most of the mines were in war," he said. "Shipments of zinc ore during 1917 amounted to 24,000 tons. Most of the mines were in war," he said. "Shipments of zinc ore during 1917 amounted to 24,000 tons. Most of the mines were in war," he said. "Shipments of zinc ore during 1917 amounted to 24,000 tons. Most of the mines were in war," he said. "Shipments of zinc ore during 1917 amounted to 24,000 tons. Most of the mines were in war," he said. "Shipments of zinc ore during 1917 amounted to 24,000 tons. Most of the mines were VALUABLE CADMIUM

By TOM SHIRAS.

of the ore or for putting it in condition for marketing.

Says Power a Minor Item.

"It is therefore obvious that the who operates the Baker and Brewwho op er zinc and lead mines here, reported an assay of lead and zinc ore that showed a cadmium content of 20 per cent, which is the largest amount of this rather rare metal shown in any assay ever reported in north Arkansas. Cad-mium metal is said to be worth 80 cents per pound. A ton of crude carrying 20 per cent would produce 400 pounds of this metal, which would be the richest crude ore ever discovered in the north Arkansas

sections of the north Arkansas

potential mining investors out of assayed as a whole from the dump, the Arkansas field. and have them assayed separately; then I can find it," he said.

One Per Cent Previous High. The eight samples he had assayed as a whole were samples of dry bone (lead) and zinc carbonate. He probably will find the cadmium in the zinc ore, as this is the ore it always is associated with. Until Mr. Well's had this assay made, no zinc in the field ever had been reported carrying over one per cent cadmium, and most of it less than this. His discovery might be an imporcarrying over one per cent cadmium, and most of it less than this. His discovery might be an important one to the Ponca district,

Production In

| Production In | Production In | Production In | Production In | Production In | Production In | Production In | Production In | Production In | Production In | Production In | Production In | Production In | Production In | Production In | Production In | Production In | Production In | Production In | Production In | Production In | Production In | Production In | Production In | Production In | Production In | Production In | Production In | Production In | Production In | Production In | Production In | Production In | Production In | Production In | Production In | Production In | Production In | Production In | Production In | Production In | Production In | Production In | Production In | Production In | Production In | Production In | Production In | Production In | Production In | Production In | Production In | Production In | Production In | Production In | Production In | Production In | Production In | Production In | Production In | Production In | Production In | Production In | Production In | Production In | Production In | Production In | Production In | Production In | Production In | Production In | Production In | Production In | Production In | Production In | Production In | Production In | Production In | Production In | Production In | Production In | Production In | Production In | Production In | Production In | Production In | Production In | Production In | Production In | Production In | Production In | Production In | Production In | Production In | Production In | Production In | Production In | Production In | Production In | Production In | Production In | Production In | Production In | Production In | Production In | Production In | Production In | Production In | Production In | Production In | Production In | Production In | Production In | Production In | Production In | Production In | Production In | Production In | Production In | Production In | Production In | Production In | Production In | Production In | Production In | Production In | Production In property is managed by Will Maxey, who is opening up some new ground. There is a rich face of ore in the old heading in this mine, but the old drift, 600 feet long, leading to the heading, has not been cleared and cannot be worked. A leased by Berry Ragland of Cave leased by Berry Ragland b out, and cannot be worked. A group of Little Rock men is investigating the property and expects to open it up and put a mill on it mine was a big producer and was soon. They also are investigating other properties in the camp. The Red Cloud, directly across Buffaloriver from the Edith, also is making a small production of free ore.

Yellville Dock Planned.

A group of men in Yellville are organizing the Ore Producers As

organizing the Ore Producers Association, with a small capital stock, to buy ore in small lots. They expensive REA line would be useless now.

The camp now has one custom estimate there are 200 prospects in mill in operation. It was installed due one if the mines in this area. duce ore if worked, and expect many of them to be worked when a

and zinc ores a month.

Clara Wright, operating the 16th Section mine in the Ponca City district, is sinking a shaft into an old

The greatest drawback to production in the north Arkansas field is lack of operating capital.

To Open Zinc Mines St. Joe J. C. Shepherd, who has been operating the Alice mine near West Plains, Mo., for several months

which is in Newton county. Inves-Perial to the Gaze 3-23-41 tigations in other sections of the zinc and lead field might also disclose it in larger quantities than hitherto found.

Cadmium is a white metal with a slight bluish tinge by reflected light. It is whiter than lead or zinc, but less than silver, has a high luster when polished, and breaks under a gradually increasing strain, with the fibrous or scaly fracture characteristic of a soft, tough metal. It is somewhat harder than tin, but not so hard as zinc and like the former metal it emits a peculiar cracking sound when bent. It is malleable and may be rolled into thin sheets. Chemically cadmium belongs to the diatomic group of elements. Its symbol is Cd, and its equivalent 58. It is used principally in alloys, making some more hard and brittle and others more malleable, according to the

Usually Associated with "Jack." Practically all of the cadmium found in the world is found associated with zinc ore. In some "jack' or zinc sulphide ore, sulphide of cadmium runs as high as three per cent. This however, is unusual. It also is found in the carbonates and silicates of zinc in most sections which produce these ores, but in an undetermined state of combination, as it usually is not found in quantity sufficient to be appreciated by the analysis of samples.

If further investigations by Mr. Wells prove that the carbonate of zinc ores in the Ponca district carry cadmium generally in any such quantities as his assay showed, these ores will be in strong de-

Four producing mines of the J. C.

operations the past few months. J. H. Hand, manager of the Ozark Mine Owners League, has been promised an investigation of the alleged discrimination by Leon Henderson of the National Defense Commission and Paul M. O'Leary of the Price Stabilization Division.

Kansan Surveys Zinc Ore of Marion County.

Specia, to the Gazette. 4-73-4" Yellville, April 12.—J. A. Lower of Wichita, Kan., has been in Marion county this week investigation months ing the zinc mines and deposits of the county with a view of acquiring several properties and building a large plant to mill and concentrate the ore. The aviation industry requires much zinc of this

CHARGES ARKANSAS ZINC PENALIZED \$8 A TON BY INDUSTRY

Special to the Gazette. 4-13-41 Yellville, April 12.-A price discrimination against the North Arkansas zinc field amounting to \$8 a the Zinc camp, are making the ton was charged in a report filed largest production in the camp. with Leon Henderson, head of the During the last few weeks they Office of Price Administration and Civilian Supply, by J. H. Hand of Yellville, manager of the Ozark Mine Owners League. The charge was based on a comparison of prices was based on a comparison of prices was based on a comparison of prices. paid for zinc ore in the Tri-State field (Missouri, Oklahoma and Kansas) with those paid in Arkansas's

"Today they are paying \$48 a ton in the Tri-state field for jack or sulphide ore that runs 60 per cent zinc (1,200 pounds of metal)," Mr. Hand reported. "The highest price they offer for our highereds care." they offer for our high grade car-bonates, which run 40 per cent, and contain 800 pounds of metal is \$24 a ton. On this price basis the Tristate field operators get four cents a pound for the metallic content of their ore and the Arkansas operators, three cents, or 25 per cent

Operators here believe that this difference in price is one of the reasons that the development of the zinc industry here has lagged since the first World war. It seems apparent that some of the large producers, who virtually control the zinc smelting industry of the Southwest, are unfriendly toward

Hot Springs, April 24.—Officials of the Housley Mining Company of Hot Springs announced today sale

fault, which has been in progress several months, is said to be revealing some good deposits of ore.

Three holes have been sunk.

John Dirst and Art Goatley, who are operating the Gloria mine in

The Christian mine in the Ponca district is producing steadily, making about a car of free mixed ore

Lone Star Mill To Serve Two Mines.

Special to the Gazette. 6-15-41

Yellville, June 14.-N. W. Palmer, who is operating the Lone Star zinc mine near Mull, Marion county, will start construction soon on a 100-ton mill. Since he has been operating the mine most of his production has been free carbonate. Joe DePree, his brother-in-law, is operating the Silver Run mine in the same section. Ore from both mines probably will be milled on the new plant.

Art Goatley of Zinc, who was injured by a bar falling from the rafters of the mill at the Gloria mine, is recovering. The accident the zinc smelting industry of the Southwest, are unfriendly toward new production projects, and resort to price squeeze methods in order to suppress competition, operators charge.

The Department of Justice which will start an inquiry April 24 to determine whether a current "serious shortage" in high class zinc used in defense industries is due to other than natural trade causes.

So critical is the zinc shortage that the OPM (Office of Production Management) wants the army to use substitutes for galvanized sheeting and pipes in camp construction.

happened about three weeks ago, when one end of a crowbar, used in straightening out a pulley on the dimension that the mill started, the shaft knocked the bar off and it struck Mr. Goatley in the back.

John Dirst, who has been working the Jack Pot for the last six weeks, has produced 30 tons of silicate concentrates. The crude ore was milled at the Gloria mine.

L. A. Lowry, who recently took over the Darden mill at Rush, Marion country, is adding an extra elevator and a concentrating table. happened about three weeks ago,

ing and pipes in camp construction. The Edith mine in the Rush camp

Zinc is essential in galvanizing.

Housley Mine Near Glenwood
Sold to Florida Resident.

Special to the Gazette. 4-25-41

Het Springs April 24 Officials.

The Edith finite in the Rush camp
is producing some free ore.

J. C. Shepherd is dewatering the shaft at the old Campbell mine on the St. Joe fault, near St. Joe, Searcy county. Plans for the operation of the property have not been released.

See clipping under

Hot Springs, April 24.—Officials of the Housley mine, 22 miles southwest of Hot Springs announced today sale of the Housley mine, 22 miles southwest of Hot Springs and near Cedar Point, Hot Spring county, to Mrs. Lena P. Price-Williams of Jacksonville, Fla. The mine is said to have produced zinc, lead and silver.

About 15 acres was involved. Mrs. Price-Williams has acquired other acreage near Glenwood.

Reported "strikes" of ore have sent residents and visitors scurrying to the mine several times during the last 30 years, but most of the short-term lease operators were forced to abandon operations when their funds became exhausted.

Martin A. Eisele, Hot Springs National park, is president of the Housley firm, while Tom K. Martin is secretary. Approximately 15 Housley heirs are stockholders. The mine was acquired nearly 50 years ago by E. Vander T. Housley, early Hot Springs resident.

Production

Of Zinc Still

Lagging

Special to the Gazette. 5-18-41.

Harrison, May 17.—Even with the Edward a ream was enthusiastic context of the property of the propects for the real-cerning the prospects for the real-cerning the prospects for the real-cerning the prospects for the real-cerning the propects for the real-cerni

Special to the Gazette. 5-18-4]

Harrison, May 17.—Even with the advanced price, the production of zinc ore has not shown much increase during the last 30 days. Because most of the camps have no milling facilities, the free ore mines have stacked up a large tonnage of mill dirt, or crude ore, which would represent a good profit if milled. This now represents a frozen asset.

Walter Milum recently opened up a good prospect of both jack and a good prospect of both jack and a good prospect in this area tak-

The only smelter in this area tak-

here, it is expected that his metal output will be taken by the aviation industry in Wichita.

Zinc is being used for making dies used for stamping metal parts for planes.

Carbonate on his farm near Pyatt in gine carbonate ore is the Ozarks in Marion county. He probably will constitute in Marion the carbonate.

Inman urged that special effort be made in getting the known jack deposits opened up and in operation while the price is good. He says that smelters are now 200,000 tons behind current orders for zinc metals.

The representative of the American Co. also conferred with H. H. Hand, manager of the Mine Owners League of Yellville, Mr. Hand is also advising mine owners over this area to take advantage of the present satisfactory prices to resume zinc production.

Prominent Geologist Expresses Faith in Arkansas Zinc Field

a member of the Arkansas Utilities Commission. Having served in several sessions of the legislature as representative, and as senator from his county and district, Mr. Kimsey has made a reputation as an advocate of developing the mineral resources of Arkansas, as well as for rugged honesty in the conduct of state and business affairs. His comments here on the zinc and lead situation in North Arkansas are timely and to the point. Every one who is interested in advancement of zinc and lead mining industry in Arkansas will welcome this kind of "Sales Talk? from official source as a change from critical and negative representations, of which this district has been administered an overdose heretofore.

During World War days there defacilitated endeavor, where men were metals. with the easy profits while the war on Arkansas sources are belated, it the more luscious and ripening fruit; and ready at the outset of the pres-in this way many zinc and lead de- ent world conflict the facts herein posits were cluttered and clamored referred to. over for "high grade" to the discredit of the district as a potential long time source of a dependable Nearing Production. nature. These things are no particular discredit to many of the operators who were active in the field at that time, and under conditions then existing, but for ourselves and others at this time to permit ourselves to be deceived to the extent of helioning these former "ross."

Special to the Gazette 6 = 29 = 41

Harrison, June 28.—Operation are under way at the William Campbell mine, a mile north of St. Joe, near the old lime plant siding of the Missouri and Arkansas railway. Work is being directed by J. C. Shepherd.

Operations will be resumed soon at the Bald Hill mine in eastern tent of believing these former "pros- at the Bald Hill mine in eastern pectors" exhausted the field is, and Newton county, and after these two are in full operation, the Big Hurri-

to their long time basis of systematic underground mining of ore of no better quality than the ores of Arkanter quality than the ores of Arkan-sas is no sound reason why we should ployed. condemn "our own children" simply because they may have gotten their Tri-State Search faces dirty by association through For Zinc Deposits

portation by truck of the lead and way. zinc ores to railroad points from Lone Star Mill To whence they can be carried over comparatively short hauls to smelt- Be Started at Once. ing centers; and where it was practically impossible to carry suitable Special to the Gazette 7-13-41 mining and milling machinery during those days, heavy equipment can now be delivered economically and with dispatch.

Sphalerite (zinc sulphide) and special to the Gazette Maumee, July 12.—Construction of one of the largest zinc concentrating plants built since the World war will start this week at the Lone Star mine, located one and a half miles east of Maumee. The

Sphalerite (zinc sulphide) and Smithsonite (zinc carbonate) with Galena (lead sulphide) beckons from the hill slopes and valleys of Marion, veloped an urgent need for zinc, and Newton, Searcy, Boone and Baxter 150 tons of crude ore a day. Gilthe inability of the older and long counties and some adverse publicity bert, on the M. & A. railroad will be the shipping point. Mr. Palmer has been working on the property the government and its war industrial person has been able to disprove the for several months and has proven activity spurred various and sundry estimates and opinions of competent to seek out new sources which would authorities who have by diligent carbonate. It is underlain with jack lend themselves to immediate pro- search convinced themselves that, or sulphide. The crushing and confitable expoitation, as a result of properly approached and developed, which many people of meagre or less these deposits will produce over a three sets of rolls, three jigs and three sets of rolls, three jigs and means floundered into the yet virgin long period a sufficient amount of three concentrating tables. The districts of northwest Arkansas, zinc and lead to place Arkansas in a tables will handle the fine ore. where now remains evidence of their prominent column in respect to the near mining efforts; evidence of unnation's needs for these important Zinc Sulphide

interested primarily in "getting at | Zinc and lead ore prices are now the best first" and getting away at attractive levels and though data should last. In some of these evil is possible still for enterprising dences lie tragedy in that circum- interests with co-operation and sancstances of the moment led men to tion of state and Federal departdiscard and pass over obvious and ments to offset much that has been sound procedure to reach and gather lost by our failure to have assembled

should be a discredit to ourselves.

Because older and more developed fields have long since settled down

are in full operation, the Big Hurricane min, south of Western Grove in Searcy county, also will be worked. Mr. Shepherd said.

Drills have located extensive veins

no particular grounds upon which states that a research campaign is Arkansas should content herself to being started in the Kansas sector not attempt to market some of its of the Tri-State mining district, in products and enjoy some of the nor- an effort to discover new deposits mal profits; but more especially is of zinc. The Zinc and Lead Prothere no good reason why we should ducers Association of that entire refrain from realizing on these things district is joining in the search. while there is a shortage of zinc This move goes to emphasize the which not only holds out great commonly known fact that the prinpromise of more profit, but in addi-cipal known ore reserves of that tion creates a duty to our national field are nearing the border line of welfare which men of means and exhaustion. If new ore deposits ability should not overlook; nor cannot be found in that area, milshould they allow themselves to be lions of dollars worth of mining and misled as to the workability of our milling equipment there soon will be zinc deposits as may have been the idle from lack of pay ore ground. case in respect to other Arkansas Naturally those operators had rather minerals, by people who for some spend money in the hope of finding peculiar reason may have been and ore deposits, still unknown in that who may now be more interested in field, than to tear down and move preventing new production than in into another fied, or quit entirely. any new sources which might offer It is stated that the present shortage competition to their private or cor- of zinc supply is a factor in stimuporate interests, or possibly their lating this new research campaign national or even international de- which is to be conducted under the signs. In this connection it might direct supervision of the state geol-Yellville Mountain be said: Any person or interest ogist of Kansas, who is wide awake below is a recent statement by hands of possible intrigue to the in his state. While the state of Hon. Joe W. Kimsey, a geologist of hands of possible intrigue to the in his state. While the state of recognized ability, and who lately extent of smothering facts which Kansas, through its official agent, was chosen by Governor Adkins as would, if allowed to be known, lend is taking a risk chance to hunt for strength to our State and Nation, zinc deposits that may, or may not should not enjoy the distinction of be found, the state of Arkansas has a worthy citizen, nor be allowed to large, known and visible zinc reenjoy the prerogatives of leadership. serves, ready for quick production Where during the World War No. under proper equipment; but some One days the mountainous sections official agencies in Arkansas have of northwest Arkansas were travers- seemed afraid to invite mining entered only by trails, there are now prise to take a chance here, lest such miles of highways suitable for trans- ventures might go wrong in some

Mining Gains In Rush Camp

Special to the Gazette. 7-13-41

Yellville, July 12. — Considerable activity is developing in the Rush camp on Buffalo river in Marion county, and in other sections of the north Arkansas zinc field. New production efforts are being turned toward jack or sulphide ore rather than carbonates and silicates. This is because of the low price and poor market for the latter. Jack now is bringing \$48 per ton for 60 strong demand. Carbonates and silicates are bringing \$24, with a very sluggish market. Most of the carbonates and sil-

icates that have been mined in the north Arkansas field during the last few years have gone into the manufacture of paint pigments and none into slab zinc. The reason for this is that very little of this class ore is mined in the United States, and smelters are not prepared to handle it in small quantities. If and when the production of car-bonates and silicates climbs to 1,000 or more tons a month, special smelter blocks will be put into op-eration to take care of it, and will

convert it into slab zinc.

During the last few years Roscoe
Hicks of Rush has been working
the McIntosh mine on Rush creek
under a lease. During his operations he shipped considerable free
ore produced a lot of mill dirt and Because the zinc supplies have been meeting normal demands has been Mountain Echo

Yellville 6-25-41 under a lease. During his operations he shipped considerable free A recent press report from Joplin ore, produced a lot of mill dirt and

pened up four good headings in he mine. He recently subleased the property to I. A. Lowry and associates of Wichita, Kan., and

hey started active work in the round this week. They have a 0-ton mill in operation and the mine promises a good steady pro-

duction.

The Edith mine in the Rush camp has recently been taken over under lease by the Chase Mining Company, a newly formed organization of Wichita (Kan.) operators, and active work is in progress. Pat McCormick, a miner who was active in the development of the camp during the World war, is employed by the company. They are driving new tunnels back under the mauntain to the old face, which the mountain to the old face, which to make fortunes from zinc and lead was a very rich working face, at mining. the time the zinc mining industry collapsed after the World war. A large tonnage of mill dirt is being taken from these tunnels. The company will start the erection of a modern 100-ton concentrating plant soon to handle the produce other partners opened the Morning Starting of crude. The Edith was one tion of crude. The Edith was one mine on Rush creek. of the large producers in the Rush

Camp during the World war.

A group of Joplin (Mo.) men on mining operations or to buy prohave taken a lease on the Beulah visions with. Just our picks and shovels and Zinc Basin properties in the Rush camp and will start operations soon. The Beulah is one of We lived on Buffalo river catfish and Venison so long that we grow thin and the few mines in the camp which produces strictly sulphide ores and gaunt. I finally traded my interest in it is said a mill will be erected on the property as soon as the mine the mine of all the cove oysters and the property as soon as the mine the mine of all the cove oysters and the property as soon as the mine of the mine is cleaned out and headings opened soda crackers I could eat."

An excellent run of ore has been uncovered on the old Mulholland mine on Rush creek. This property is owned by Lon Berry, Kin he said: "My grandfather received \$65 Reed and Harve Keeter, all of Marion county, who have been working it for several weeks. All the work that has been done has been in open cuts. Some sulphide ore that runs as high as 50 per cent has been mined, in addition to some high-grade carbonate. Some boulders of pure carbonate of zinc weighing as much as 100

pounds have been produced.

John Dirst, ore buyer for the
Manda Corporation, who owns a
lease on the Batey mine in the
Jimmy Creek district north of
Yellville, said he expected active operations to start on the property soon. The Batey produces only sulphide ore of a high grade and the vein there is very rich, produc-ing a concentrate that will average

over 60 per cent metallic zinc.
J. C. Shepherd, who recently took over the Campbell mine at St Joe, in Searcy county, has bought the mill at the Jack Pot mine near Zinc and 15 moving the plant to the Campbell. The Campbell mine produces sulphide ore.

Lucky Dog Mine Under New Lease.

Special to the Gazette. 8-3-41

Harrison, Aug. 2.—George Andrews and Ernest Ray have leased the Lucky Dog mine in Searcy county from B. G. Lewallen and are installing a complete ore reducing mill and crusher. The building is nearly completed, and most of the machinery has been installed.

The Lucky Dog mine was a big producer during the first World war days. It is located about seven miles east of St. Joe. After the post-war slump in zinc prices, the mill was abandoned and much of the milling machinery on the site was carried away by gangs which plundered deserted mine mills and sold the machinery for mills and sold the machinery for

The new mill is of 100-ton capacity. The new owners say the mine and mill will be back to former level of production soon.

Mr. Lewallen, Missouri and Arkansas railroad agent at Marshall for many years, and Pete Reeves have a lease on 1,000 acres of the Dowdle lands on Silver Hill where

Dowdle lands on Silver Hill, where they hope to uncover the fabled lost silver mine of Indian Wood-

Power drills were moved this week from the Lucky Dog mine to the site, a mile west of Highway 65, where it tops Silver Hill, south of Buffalo river, and where the operators believe they have discovered the entrance to the "lost" silver mine. Mr. Reeves said a tunnel must be drilled to release the waters of a subterranean lake and then he believes the ledge of silver ore will be found.

Prospecting in the Ozarks

Early Mining in Northern Arkansas Had Its Hardships Comparable to Those of the Distant West's Most Picturesque Days.

By Tom Shiras





Free silicate of zinc ore, ready for shipment, is being examined at a zinc camp in Boone county in the picture below. At the right are tunnel miners in the zinc mines of Boone county.



for his interest in the mine."

The first prospecting for lead and zinc on record was done by Henry Rowe Schoolcraft, a geologist and scientist, who came to the Ozarks from Watervleit, N. Y. Schoolcraft left Potosi, Mo., on November 6, 1818, with three companions, a Mr. Brigham of Massachusetts, a Mr. Pettibone of Connecticut and a hunter named Robers. Mr. cut and a hunter named Roberts. Mr. day and he turned back. Mr. Roberts, the hunter, deserted the fourth day, and Schoolcraft and Pettibone continued

He said: "We had no money to carry

In a recent interview with J. A. In-

their adventure alone. They were hardy New England individuals, but neither was a hunter and a great deal of time they had barely enough food on which

Their course lay from Potosi, Mo., to the head of the Current river, thence to the head of the Big Northfork, down the Northfork to its mouth, back up the river to the mouth of Pigeon creek, in Baxter county, and over the divide to the White river. They then went up White river to the mouth of Beaver, thence through what are now Boone

and Marion counties across the state ried on in the vicinity of the town. The line into Missouri and over the south- first mining and smelting operations west Missouri zinc and lead field. From carried on there started in 1851. The that point they came back to the settlers dug the ore from clay pockets mouth of Beaver, then by canoe to and brought it to a smelter operated by Batesville, overland from Batesville William Bennett. Two other lead smeltthrough Independence, Sharp, Law- ers were operated there before the Civil rence and Randolph counties to the war. One was owned by a man named Missouri line and to Potosi, the point Fine. In 1871 Colonel Childers operated from which they started. Schoolcraft a smelter in the Lead Hill territory and was the first writer to record the pres- continued for three years. Another lead ence of lead in north Arkansas. He also smelter was operated in this vicinity by identified manganese, zinc and iron an Illinois company early in the 70's. Major Durham, the only lead smelter-

Workers in a Boone county mine are hand jigging ore in the picture

above. At the left is a scene at the Monte Cristo Concentrating Plant,

Rush Creek Camp, Marion county.

There was no mining of zinc in north Arkansas in those days. Some lead was mined in small quantities to supply the

early settlers with rifle balls for hunting purposes, and to protect them from

Lead was so much in demand in the

early days for ammunition purposes that it was the first ore mined in the

Arkansas Ozarks. Lead Hill, in Boone county, gained its name from lead

mining and smelting operations car-

the Osage Indians.

Lead Hill and Dodd City, Marion county, Marion coun waist. Some skilled Confederate cavalryman had operated on him a dozen
times or more, and as he stood there
showing me the red scars, criss-crossed
across his torso, he said: "I guess you'll
believe it now."

dictions have come true. Most of the
ore shipped from the field is carbonate
and silicate.

Reuben Willett, who represented the
Edgar Zinc Company of St. Louis, was
the first ore buyer in the field, with
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and mining land owners in eral weeks opening up extensive ore
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the four miles long is being surother fields as a field of no commercial reserves at the Lone Star and Silver
the first ore buyer in the field, with
believe it now."

A Cushing, a mining engineer
of Los Angeles, Cal., has a force at
the first ore buyer in the field, with
believe it now."

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shipped by railroad to destination. factured gunpowder. That produced in the Lead Hill area was hauled by team to Springfield, Mo., where a lead market was maintained.

Lead smelting as an industry in north Arkansas ended late in the 80's. Southwest Missouri mines had started production, and because they were located on railroads and conditions were better, Arkansas smeltermen could not compete with them.

The first zinc mining and smeltering in north Arkansas was in Sharp county in 1857. It is said that the zinc ore smelted at Calamine at this time was the first to be smelted in charcoal retorts in the United States. The smelting operations were done by the Independence Mining Company, which also mined the ore it smelted. A Mr. Hoppe of St. Louis was one of the principals, and a Mr. Faber, general manager of the operations. The operations of this company were stopped by the Civil war, and their equipment was used or destroyed by the Confederate army.

Early in the 70's the Independence Mining Company sold their holdings to the American Zinc Company, and this concern operated the mines and a smelter for about two years. The only evidence left of these operations is the old foundation on which the smelter set, and the abandoned mines.

Early miners in the Calamine region were well received by the pioneer citizens, but those that entered the western part of the district were not so fortunate. Former State Geologist John C. Branner, speaking in one of his reports of early conditions in this section of the field, said:

"Prospecting in the western part of the zinc region began in a modest way in about the year 1886. The early prospectors were men of small means and large faith. It is almost impossible today to realize the difficulties they had to contend with. At that time very few people living in the zinc region knew zinc ore when they saw it, and fewer still believed that it would have any value. The prospectors were looked upon as unbalanced, were openly derided, and in some instances were compelled to defend themselves 'vi et amis,' against attacks made for the purpose

of driving them out of the country. "In contrast with this modest beginning was the rush into this same region in 1899, when every conveyance going into the zinc region was literally crowded for months by miners and prospective miners entering this new field."

It was not an easy journey from any of the Middle Western or Southern cities to the new zinc and lead mining field in those days. Many of those from the South came as far as Batesville on the railroad, then took a steamboat to the most convenient up-river point, then went by hired conveyance or by one of the old stages that used to ply through the country. Others came to West Plains, Mo., by rail and by stage to destination. By this route

Mining and Prospecting Company, near the Cave creek area in Newton county still not equal to those of other fields, erties. Boxley, in 1882 and 1883. The pig lead produced in Newton county was hauled to Eureka Springs and Russellville and to Eureka Springs and Russellville and saltpeter, from which they manusching by railroad to destination featured guppowder.

Still not equal to those of other fields, operations were nearly suspended when the price of ore dropped after the war. In 1939 things began to pick up again. On the Paymaster and Mine Sixteen the price of ore dropped after the war. In 1939 things began to pick up again.

> for many years, and who was a member of the company that engaged in Other zinc fields are nearing exhaus.
>
> Completed At it from the cave clays.

hoppers, built along the same style as tries in the northern part of this state. the old-fashioned ash hoppers, in which Activity Increases in Zinc the mountain housewives used to leach lye from wood ashes. The hoppers were kept full of this clay and a small stream of water was kept constantly trickling through them. This water picked up the saltpeter in solution, and was evaporated in huge castiron kettles, the saltpeter gathering as salts in the bottom of the kettles after the water was boiled off.

Special to the Gazette, 8-6-41

Harrison, Aug. 5.—Prices of zinc ores which are climbing to a point where mines in the north Arkansas field can be operated at a profit, is providing a stimulus for opening new fields.

Much activity in the mining industry is in evidence at almost all of the old producing zinc mines in

Most of the lead and saltpeter recovered in this section by the Confederates was moved by small boats down the White river to the Mississippi and thence to New Orleans. Few of these cargos were captured by the Federals but they finally located the sources of supply, raided them and stopped production.

The Old Confederate leads in operation soon, Roy Hand of Yellville, reported here. Mr. Hand is associated with his father, J. H. Hand, secretary-manager of the Ozark Mine Owners League. Particular activity in noted in the Rush field. Stanley Hanford and associates of Batesville have installed an ore concentrating mill at the Leader mine and will put it in full operation with Pat Mc-

The Old Confederate lead mine near Cormick as foreman. The Edith the head of Cave creek in Newton counmine at Rush also is being equipty took its name from these operations ped with a mill and is expected to and some of the old equipment used and some of the old equipment used and some of the old equipment used by the Confederates is still lying in an old field close to the mine. A number of old kettles used in refining saltpeter are still in existence in Baxter and other mines in Newton county, and other mines in Ne Marion counties. Eben Woods of Flip. in the zinc and lead mines in Boone pin owns one of these historic kettles, county. and, notwithstanding the fact that it was badly cracked around the rim by Mining In the Federals when they captured the plant, it still holds water and he uses it to scald hogs in at butchering time. Rush-Buffalo

The only zinc smelter ever built in the western part of the zinc field was built at Rush by John Wolfer and as Area Picks Up sociates, who opened up the Morning Star mine. It was built of stone and is still standing.

Years ago the writer met John Wolfer, who was living in a small log cabin on a mountain farm in the southern part of Baxter county, and he told the story of why the smelter was built.

"It was not built to recover zinc double-track tunnel and have glear."

values," Mr. Wolfer said. "We sent some of our zinc carbonate to an assay office back East for assay, and they sent us back a report showing that it workings have targed the with a double-track tunnel and have cleared the site for construction of a 100-ton milling plant, having bought the mill equipment, which is being moved onto the site. The new mine workings have targed the wink are carried very good silver values. There was no transportation at that time and we could not sell the zinc ore at a profit, so we thought we might smelt this ore and save the silver. this ore and save the silver.

samples proved unreliable. We put in a wide, and have not reached the exlot of hard work constructing the tent of the deposit in either length smelter and burning charcoal to fire it or width. In addition to this ore with. The first charge we fired proved the mountain, the new operators, to us that we had wasted our efforts.

man of early days whom this writer it was 52 miles to Mountain Home, 70 No silver ran out at the bottom, and ever met, operated a smelter between Lead Hill and Dodd City, Marion county, late in the 70's.

Major Durham, like other early min.

The Campbell mine is a shaft mine, the ore coming from two fine headings in deposit of ore on the lower levels. However, the pushing operations to get the upper by rail and to destination by stage.

Major Durham, like other early min.

The Campbell mine is a shaft mine, the ore coming from two fine headings in deep mining in the Tri-State district, have discipled a rich deposit of ore on the lower levels. However, the pushing operations to get the upper pushing operations to get the upper pushing operations. Another shaft sunk near the pushing operations to get the upper pushing operations. This mine, the ore coming from two fine headings in the Tri-State district, have discipled a rich deposit of ore on the lower levels. However, the pushing operations to get the upper pushing operations to get the upper pushing operations. The campbell mine is a shaft mine, the ore coming from two fine headings in the Tri-State district, have discipled a rich deposit of ore on the lower levels. However, the pushing operations of the result in the Tri-State district, have discipled a rich deposit of ore on the lower levels. However, the pushing operations of the result in the Tri-State district, have discipled a rich deposit of ore on the lower levels. However, the pushing operations of the result in the Tri-State district, have discipled a rich deposit of ore on the lower levels. However, the pushing operation of the result in the Tri-State district, have discipled a rich deposit of ore on the lower levels. However, the pushing operation of the result in the Tri-State district, have discipled a rich deposit of ore on the lower levels. However, the pushing operation of the result is the rich and the

altpeter, from which they manuactured gunpowder.

In 1939 things began to pick up again, on the Paymaster and Mille Sixteen

Mining conditions in north Arkansas properties.

Mill construction work at the Extension to the Gazette.

Yellville, Sept. 13.—More miners are taking to these hills to prospect for new free ore diggs and pet for new free ore diggs and the control of the Gazette. deposit from bat guano, that filtered Good roads lead to all camps. Phone being rushed. into the underlying clay in the caves. and mail service is available. Freight George Foster, a long-time citizen of Mountain Home, who has been dead truck to mining supply houses and

saltpeter mining, once explained to the tion and geologists now class the north writer the process they used to extract Arkansas field as the only virgin field left in the United States. It is probable McIntosh They mined the clay from the caves that within the next decade zinc minand ran it in crude dump cars to huge ing will be one of the largest indus-

Mining Operations.

of the old producing zinc mines in Most of the lead and saltpeter re- this area, and new ones will be

"The chemists to whom we sent our an area 800 feet long by 600 feet

have four neadings. The each about 12 feet wide and 10 feet high, which run approximately 12 1-2 per cent high grade carbonate ore.

The McIntosh is one of the oldest mines in the Rush Creek camp. Roscoe Hicks, who hold the original lease, has mined 500 tons of free carbonate ore on the property durcarbonate or on the property dur carbonate ore on the property during the last six years. The mine is being operated by Mr. Lower, under a sub-lease from Mr. Hicks. The property is owned by the McIntosh Zinc Mining Company of Lynn, Mass.

LONG AWAITED RISE IN PRICE OF ZINC BOON

Special to the Gazette. 9-15-41

north Arkansas zinc carbonate and and obtained a recovery of 16 per silicate ore has been advanced cent in concentrates, carrying

Two new 100-ton mills started operations this week and are operating steadily, and the production of the field during the next 30 days is expected to double.

The new mills are located at the Lucky Dog and Campbell mines, both in the St. Joe district. Both are milling crude sulphide ore.

times or more, and as he stood there showing me the red scars, criss-crossed across his torso, he said: "I guess you'll believe it now."

Lead smelters also were operated in Newton county, on Cave creek in 1876 and 1877, by the Boston Mining and 1877, by the Boston Mining and 1877, by the Boston Mining and Smelting Company; another was operated by the Missouri and Arkansas that have been recorded in history are the operations in Newton and Marion counties that were carried by the Missouri and Arkansas that have been recorded in history are the operations in Newton and Marion counties that were carried by the Missouri and Arkansas that have been recorded in history are the operations in Newton and Marion counties that were carried by the Missouri and Arkansas that have been recorded in history are the operations in Newton and Marion counties that were carried by the Confederate army. In the Cave creek area in Newton county still not equal to those of other fields, a nied of no comment of the said that its ore demining a noilling a 100-ton pletted in 60 days.

Gloria Mine Has New Lessee.

In the Zinc camp in Boone countive, william that the silver for the solver reconstructing a road to the Silver Hollow mine for the Silver Hollow mine and who have acquired leases for the did in history are the operations in Newton county which was badly needed at that time.

But because mining conditions were balas, Tex., are investigating propose of extensive mining and milling operations.

J. A. Cushing, a mining engineer mill.

In the Zinc camp in Boone countive, the Also is reconstructing a road to the Silver Hollow mine for the Silver Hollow mine or the silver Hollow mine or the silver Hollow mine or the s

to revive old prospects, as some of those already engaged have been making lucky strikes, and cashing in on their mining ven-

Ground Hog to Be Reopened. Charley Boyd and associates are continuing development extension while recovering some high grade free ore at the Prince Fred property in the Cow creek area near Buffalo City. Work is expected

Rush, Aug. 25.—J. A. Lower of Wichita, Kan., who has a lease on the McIntosh zinc mine here, when he has completed a modern 50-ton mill, installed mining equipment this week to supply the mill with its daily capacity of crude ore.

The new equipment consists of a large compressor and engine and three large air drills. With this equipment operators easily can keep the mill supplied with crude. They have four headings in the mine, each about 12 feet wide and 10 feet high, which run approximately 12 1-2 per cent high grade carbonate

Chase Mining Company of Wichita, Kan., is making good headway on construction of its mill at the Edith mine.

Gentry and Dean, owners of the Yellow Rose, which joins the Edith property, recently put a force to work, opening a new tunnel to the south of the old mine workings. The shaft at the Beulah mine

near Rush was pumped out last week for inspection by St. Louis interests, who are said to be taking over the mine for operation on the lower ore level.

Lone Star Tests Favorable.
To get his operations at Lone Star mine, south of Rush, out of the guessing stage, as to ore yields to be expected from milling, N. W. Palmer, the lessee, had 10 tons St. Joe, Sept. 13.—The price of of average mine run ore milled silicate ore has been advanced from \$17.50 to \$25 a ton, and many hew small free ore mines are being opened up.

The Manda Corporation, which buys most of the ore now produced in the north Arkansas field, is running ore trucks all over the field, picking up small lots at the smaller mines. Sulphide ore is bringing \$48, the same price being paid in the

mines. Sulphide ore is bringing \$48, the same price being paid in the tri-state district. This price is expected to advance to \$60 within two weeks, which would raise carbonate and silicate ores to around \$35 a ton.

Two Mills Begin Operations.

Two Mills Begin Operations.



Harrison, Sept. 27 .- An ore mill and crusher have been installed at the loading platform of the Missouri and Arkansas freight depot in Harrison by the Hurricane Mining Co. The machinery was shipped

Zinc Mining Gradually Picking Up

Special to the Gazette. 10-12-41

to stimulate increased production, where dependable zinc ore reserves

While during former mining activities here the carbonate and silicate of zinc denosite received. cate of zinc deposits received pre-ferred attention, by reason of be-ing more plentiful near the surface, and therefore more cheaply mined than the deeper beds of higher grade sulphide ore, the lat-ter-now is getting a play. Old drill records that disclose important runs of jack deep below the valley levels in many places, are valley levels in many places, are ed into one company, which now is the company of the company. A herd, a former large producer of carbonate ore only in this field, has reopened the Excelsior mine shaft near St. Joe, in which a good run of jack appears around the 100-foot level, and recently started to produce of carbonate ore, consisting mostly of rich mill crude. A mill probably will be built on this property soon. The mill on the Excelsior or Campbell mine near St. Joe is in operation most of the time. It is property in the produce of carbonate ore, consisting mostly of rich mill crude. A mill probably will be built on this property soon. operations there under mill equip-

the old Olympia mine at Kingdon Springs in Jimmy creek district north of Yellville. Disclosure of the name of the lessee is not authorized. Four drill holes at 400-foot intervals, to depth of 150 feet bedieness of the lessee is not authorized. The mill is one of the best of the second three seconds of two air driven drills. The mill is one of the best of the second three seconds of the second three second three seconds of the second three seconds of the second three seconds of the second three second t low creek level, and verified by a shaft, through 40 feet of disseminated zinc sulphide ore, afford the chief basis of present interest in this property, although it had been unnoticed since these explorations.

drills, The mill is one of the best equipped in the field. The crushing equipped in the field equipped in the field equipped in the field equipped in the field equipped in the fi were made many years ago, be- is operated by a 60-horsepower oil cause it is a jack proposition.

The Marican Mining Company

of Wichita, Kan.; which is reopening the Edith mine at Rush, has considerable new ground. blocked out, and is driving ahead, pending completion of a 100-ton mill under construction, for which the ma-

operations at the Yellow Rose mine operates about 12 hours a day and at a point several hundred feet to one side of the old mine workings; also discovery of a lower ore of all the Hurricane Mining Comstratum in a shaft at the old mine pany's properties.

Tex. A milling test of average mine run ore from that property, made at Lower's custom plant at Rush, gave a recovery of 16 per cent zinc carbonate concentrates of 42 per cent grade. Mr. Prior of 12 per cent grade. Mr. Prior of 14 per cent grade. Mr. Prior of 15 per cent grade.

Special to the Gazette. 11-16-41 St. Joe, Nov. 15.—Three concentrating plants in the St. Joe area are running steadily, and the output of zinc ore gradually is increas-

that were sunk into the lower run have been reopened in some instances. For example, J. C. Shep-

ducing a straight jack or sulphide zinc concentrate that runs around Under the direction of J. A. Cushing, mining engineer from Los Angeles, the Silver Hollow mine tunnel on Buffalo river near Rush, is being dewatered. This mine is opened for 1,300 feet into the mountain. The heading is 50 feet below the level of river bed. Zinc sulphide only is found in the last few hundred feet of the drift.

New Olympia Ore Stratum.

A lease was recently closed on the old Olympia mine at Kingdon Springs in Limpur areals district.

engine.

Two New Bald Hill Shafts

Operations at the Bald Hill mine have increased since two new producing shafts have been sunk. One is 80 feet deep and the other 70. Producing shafts have been driven from each shaft, and all shafts are chinery has been received at the in rich carbonate mill dirt. They are getting approximately 20 per cent recovery from their crude. The mill Rush are found in the opening operators are having no more dif-a continuation of the ore run ficulty in getting plenty of water

souri and Arkansas freight depot in Harrison by the Hurricane Mining Co. The machinery was shipped here from West Plains, Mo. The mill has a capacity of about 50 tons daily.

The mill has a capacity of about 50 tons daily.

The Lucky Dog mine, located on Rock creek, about eight miles from Rock creek, about eight miles from Rock creek, about eight miles from St. Joe, is in operation most of the time. It is producing about 12 tons of high grade sulphide concentrates a week. The mine is being operated in Rush camp, under direction of Pat McCormic, an expert miner, are preparing to equip the mine with a mill, as early as material and machinery can be provided.

Mill construction is proceeding at the Lone Star mine near Mauthendant boom sentiment, the zince mining industry gradually is picking up in the Ozark district, with Special to the Gazette. 10-12-41

Yellville, Oct. 11.—Without attendant boom sentiment, the zinc mining industry gradually is picking up in the Ozark district, with a slow gain in production, while substantial development operations and mill equipment at several properties are under way.

Owners of most of the better proven properties manifest no anxiety to dispose of their holdings at present, in view of growing demand for zinc, together with obvious shortage of supply that is facing industrial and defense requirements. All feel that a material advance in price of ore must sooner or later take place in order

The mill is of modern design and turns out a very clean product that turns out a very clean product that truns out a very clean product that the Lone Star mine near Maumee, under supervision of N. W. Talmer of San Antonio and Dallas, Tex. A milling test of average mine run ore from that property, made at Lower's custom plant at Rush, are recovery of 16 per cent zinc carbonate concentrates of 42 per cent grade. Mr. Palmer estimates that he now has 3,000 tons of similar grade ore already stacked out for milling.

Output Of

Zinc Gaining

The mill is of modern design and turns out a very clean product that turns out a very clean for turns and turns out a very clean product that turns out a very clean p

pumps are working now to de-water the tunnels. It is expected that a mill will be installed at this

that a mill will be installed at this mine soon.

Lon Berry of Yellville and associates, who own the Mulholland mine in the Rush camp, have opened up a good face of free carbonate. During the last two weeks 16 tons of high grade carbonate have been sold from the property.

Operations at the Edith mine, in the Rush camp, under the supervision of Mr. Maxey, foreman, are going along steadily. Operators have driven their new tunnel back to the old face and are producing a good tonnage of free carbonate ore and building up a big reserve of crude for milling purposes. Twenty tons of free ore was produced and sold from the property this week. They gradually are accumulating material for the construction of a mill, which will be built in a few months. The mill on the McIntosh mine is operating part time. Besides milling their own ore, operators also do some custom milling.

Stanley Hanford of Batesville and Pat McCormick of Rush, who own the lease on the Leader Hollow mine, have driven their main tunnel into a fine deposit of ore and are working out plans for a new mill.

are working out plans for a new

The price of carbonate ore has been increased to \$29 a ton delivered at Harrison, with 75 cents a point increase for all ore running over 40 per cent and the same amount per point decrease for ore under that.

soon. It is a dry process mill and the machinery is in shipment now. The Big Jumbo is a jack mine, the ore outcropping on a high bluff on the banks of Buffalo river. The Chicago men also have leased large tracts of other mineral bearing

400-Pound Boulder Of Zinc Unearthed.

Special to the Gazette. 11-23-41 Harrison, Nov. 22 .- A boulder of pure zinc, weighing more than 400 pounds, was unearthed by Elli Wages on the Bald Hill mining property near Cave creek in eastern Newton county, this week. Mr. Wages is doing some independent mining on the property under lease

to the J. C. Shepherd interests. Mr. Wages is mining several tons of free ore each month, which is trucked to Harrison for shipment.

Work Started On Pilot Rock Mine.

Special to the Gazette. 11-30-41 Yellville, Nov. 29.—The Pilot Rock Mining Company, recently organ-ized by Texas and Oklahoma interests, has started work on the Pilot Rock mine in the Dodd City camp in north Marion county. Among the principal stockholders are W. B. Weston, Dallas, Tex., and Fred P. Branson and Mamie S. Hammonds of Oklahoma City. While the construction of a new mill is planned, it will not be built mill is planned, it will not be built until after sufficient headings are opened up to keep it supplied with crude. The Pilot Rock is one of the older mines in northern Marion county and produced a large tonnage of ore during the World war. It was under the management of Neal Dodd at that time. The produces both lead and zinc.

Zinc, Lead Mining Gains

in another part of the field by one Prices Much Lower them soon. A thorough drilling test of the larger zinc companies is ex- Than in World War 1. pected to be started soon. Much

After this process a much more started the activity then. Jack satisfactory assay can be made of the shipments. This ore now is being used by a Detroit concern instead of tin for rustproof purposes, and it is working very satisfactorily.

Carbonate Replaces Tin

torily.

The Hurricane Mining Company, operating the Bald Hill, Excelsior and Hurricane mines in the St. Joe section is making a good, steady production, shipping two cars of ore weekly, with their production increasing. Ore from the Bald Hill is a mixed ore, That from the Excelsior is sulphide or jack. There is plenty of water for continuous operation of both mills. Some of the highest grade carbonate ever found in the field is being mined at the Bald Hill from new shafts. It runs from 40 to as high as 50 per cent

MAJOR FIRMS MAY ENTER ZINC NORTH ARKANSAS

the demand for both jack and car-bonates is much stronger than last year and the price has been raised several dollars on both grades, it is expected that the production of zinc ore in the North Arkansas field will be much greater in 1942 than

Three mills are in operation now, a fourth one will be completed early this month, and several more are planned. These plants produce jack and carbonate concentrates. A much larger production of free ore by pick and shovel miners also is anticipated.

Largest Middle Western Firm Now Making Tests.

Two large concerns are expected to enter the north Arkansas field soon. One is one of the largest zinc and lead concern in the Middlewest. The Manda Corporation has been obtaining leases along the St. Joe fault for the last 30 days and now has 9,000 acres under lease. The big Middlewestern connew prospectors and mining men cern will start drilling operations new prospectors and mining men cern will start drilling operations

Activity in the north Arkansas more interest is being taken in the field at this time, however, is much field by outside investors than at less than it was when the World war started in 1914. In just a few months after it broke out hundreds Carbonates Shipped to Detroit.

Arkansas carbonates have found and Buffalo river areas and areas a new market in Detroit. All of the around Zinc, in Boone county, and carbonate purchased by the Manda started operations. There is carbonate purchased by the Manda started operations. There is no Corporation at Harrison is crushed such interest displayed today. The and pulverized before shipping, price was the big factor which

As Rust-Proof Agent.

much heavier now than it ever had been in the field before. It has been discovered that Arkansas zinc carbonates can be used in rustproofing sheet metal, formerly rust-proofed with tin. Tin is a vital defense metal at this time, and much of the supply has been al-located to munitions. This situaoperation of both mushighest grade carbonate ever found in the field is being mined at the Baid Hill from new shafts. It runs from 40 to as high as 50 per cent as it comes from the ground. Edith Mill Nearly Completed. Edith Mill or pile. Operators estimate them shave and sold. This month all the ore from all the headings is going into the mill ore pile. Operators estimate their stock of mill ore now runs about 2,000 tons, which will get the lass per a may be a special to the mill ore pile. Operators estimate their stock of mill ore now runs about 2,000 tons, which will get the lass per a may be a special to the mill ore pile. Operators estimate the mill ore pile. Operators estimate their stock of mill ore now runs about 2,000 tons, which will get the lass per a may be a special to the difference. L. A. Watkins, president of the mill ore pile. Operators estimate the mi

ington soon and make applications the docket at Marshall so that the for necessary loans. for necessary loans.

Iron Pyrites of Carroll

Berryville, in Carroll county, wil. be mined. For many years sul-phuric acid was manufactured from iron pyrites running over 50 per cent sulphur. It still is used to some extent for this purpose, but pure sulphur has replaced it at many plants. With the latter the process of manufacture is much quicker. If operations are started, production probably will go to the new chemical plant at Chotau,

The investigation of phosphate deposits in Independence and Izard counties, which will be started soon, is expected to be extended into Searcy and other counties, where there are known deposits of phos-

Operations Resumed At Campbell Mine.

Special to the Gazette. I-18-42
Harrison, Jan. 17.—Mining operations at the Campbell mine, a mile north of St. Joe and operated by the Hurricane Mining Company, were resumed this week after work had been halted the past week because of the frigid weather.

W. P. Campbell of St. Joe owns the land on which the mine is located. Good shipments of ore are being shipped from the mine and concentrating mill, Mr. Campbell said, and larger pumps are being installed to take care of the water in the deep shafts, which are being worked.

water in the deep snarts, which are being worked.

Mr. Campbell is one of the pigneers of that area. More than 40 years ago he was a guide for the Branner surveying party of which Herbert Hoover, then a kid surveyor, was a member. He and Mr. Hoover camped together.

drifting into the north Arkansas zinc and lead fields is increasing weekly, and it is expected that mining operations in the field will show a big increase in 1942 over 1941. Men representing Memphis capital have been negotiating for properties around Rush, Marion county, and probably will take over some of them soon. A thorough drilling test PEGGING OF

Special to the Gazette. 1-25-42
Harrison, Jan. 24.—As a result of the government pegging the price of zinc spelter at 11 cents at East St. Louis, a wave of prosperity is in store for all zinc mines in the north Arkansas field, J. C. Dirst, miner in the Rush field, asserted

Mr. Dirst formerly was mineral buyer for the Manda Industrial Corporation and now is interested in several mines in the Rush field.

in several mines in the Rush field. He has formed a partnership with N. J. Cushing of Los Angeles, Cal.

The several mines in the Rush field. He has formed a partnership with N. J. Cushing of Los Angeles, Cal.

The 11-cent price is for all new zinc production and is one-third above the present price, Mr. Dirst said. Most Arkansas mines have not been operated in recent weeks because of weather conditions, and practically all the output from this section will go as new production. Most of the output from the Tricking been discovered that Arkansas winc carbonates can be used in rustage field will remain at the old price, the increase over the average for the past two years being age for the past two years age for the past two years being rated as new production, Mr. Dirst stated.
The government guarantee that

the price shall remain at the 11-cent level for the next two and a

It is expected that new money for financing mines operating on good, proven deposits can be had from the Defense Metals Corporation, and a representative of north Arkansas miners will go to Wash Judge Shina advanced the case on instances are made applications. might not be stopped.

The company's lease on the mine

County May Be Mined.

There is some possibility now that the big deposit of iron pyrites near the company's lease on the mine property was ordered canceled because of failure to comply with the terms of their lease from Mr. Le-

wallen and the others. Thirty days was given the company or anyone else who might desire to reorganize the company and operate the mine before the sale of the property. If a new company is not organized or the old company makes a new lease and settles the established claims, the property will be sold to pay the debts, Judge Shinn ordered.

average for the past two years being rated as new production.

The guarantee by the government that the price shall remain at the 11-cent level for the ensuing 2 1-2 years is encouraging expansion of all mining enterprises in this area with the installing of larger capacity ore mills at several of the mines.

Information on zinc ore available in that section of the state was compiled by John Bransford, head of the Agricultural and Industrial Commission and data was forwarded to H. K. Thatcher, Arkansas Washington representative, who previously has been doing promotional work in behalf of the Arkansas ore.

Special to the Gazette. 2-8-42* Harrison, Feb. 7.—George Shepps & Co. of Dallas, Tex., have bought the over mill and mining aguingment.

SYSTEM TO BE USED AT

ess is said to be the invention of Earl Stumpf, inventor of the Stumpf air-flow cleaning machine, which revolutionized work in the coal fields. Dry processing of other ores has been done many years, but the system has not been used previously in north Arkañsas. The water floating system has proved water floating system has proved. vater floating system has proved effective in concentrating Arkansas ores, but obtaining water through-out the year has been a problem at

John Stone, a mining and ma-chinery expert from Chicago, is directing the installation of the machinery and the erection of the machinery and the erection of the mill. Large crushers, air compressors and other machinery arrived here via the M. & A. railway 10 days ago and was removed by truck to the mine site.

Giant Hammer to Be Used. Another feature of the company's operations will be the use of a giant steel hammer, half the size of an automobile and operated by engines, which will be used to break down the ore, eliminating the necessity of using dynamite in the tun-

Company trucks will bring the concentrates to Harrison, and they will be shipped via M. & A.

Price Pegging Spurs Activity.
Pegging of zinc spelter at 11 cents
by the government is reviving zinc mining operations in north Arkan-sas, since most ore will be classified as new production, receiving the

Prosperity Seen For Zinc Miners

Democrat 2-1-42 Harrison—J. C. Dirst, for several years mineral buyer for the Manda Industrial Corporation, on the M. & A. Ry., and now interested in several mines in the Rush field in partnership with N. J. Cushing of Los Angeles, Cal., while in Harrison recently, reported a great wave of prosperity coming to all zinc mines in this north Arkansas field, as the result of the government.

mines in this north Arkansas field, as the result of the government pegging the price of zinc spelter at 11 cents at East St. Louis.

Mr. Dirst said the 11-cent price is for all new zinc production, and is a full one-third above the present price. He stated that practically all of the north Arkansas output will go as new production, as the mines as new production, as the mines as new production, as the mines are involved in court as new production, as the mines are involved in court as new production, as the mines are involved in court as new production, as the mines are involved in court as new production, as the mines were involved in court as new production, as the mines were involved in court of product that can be obtained, Mr. Stone said. "This is the first time that any real machinery has been installed in this section for mining ores, especially as the price of the machinery. Mr. Stone will a few the machinery are unrecting to the machinery. Mr. Stone will a few the mine are unrecting to the machinery. Mr. Stone will a few the mine are unrecting to the machinery. Mr. Stone will a few the mine are unrecting to the machinery. Mr. Stone will a few the mine are unrecting to the machinery. Mr. Stone will a few the mine are unrecting to the machinery. Mr. Stone will a few the mine are unrecting to the machinery. Mr. Stone will a few the mine are unrecting to the machinery. Mr. Stone will a few the mine are unrecting to the machinery and machinery are an extended to the machinery. Mr. Stone will a few the mine are unrecting to the machinery and machinery are an extended to the machinery. Mr. Stone will a few the mine are unrecting to the machinery and the machinery. Mr. Stone will a few the machinery and the machinery are an extended to the machinery. Mr. Stone will a few the mine are unrecting to the machinery and the machinery are a few the mine and the mine are unrecting to the machinery and the machinery are an extended to the machinery and the machinery are an extended to the machinery and the machinery a

the property will be sold to pay the debts, Judge Shinn ordered.

Leo Godwin of Harrison, temporary receiver, was appointed permanent receiver and was instructed to preserve the property and sell it if necessary.

Evidence showed that the mine was a good ore producer, and efforts will be made to put it into full operation again. A 100-ton ore mill has been set up at the Lucky at Rush field in operation. These include the Silver Hollow, Lonnie Boy, White Eagle, Silver Queen, La Rue, Lucky Tiger and others in the heart of the field.

Mr. Dirst and his partner now have some of the best mines in the Rush field in operation. These include the Silver Hollow, Lonnie Boy, White Eagle, Silver Queen, La Rue, Lucky Tiger and others in the heart of the field.

full operation again. A 100-ton ore mill has been set up at the Lucky Dog mine.

Market For

Market For

Zinc Sought Democrat 125-42 Efforts to obtain a market for northwest Arkansas zinc have been started by the State Agricultural and Industrial Commission. Information or zine see agricultural

DRY CON the ore mill and mining equipment at the Lucky Dog mine, six miles northeast of St. Joe in Searcy county. The sale was made by J. L. Godwin, receiver for the Rock Creek Mining Co., which for a time owned the lease to the Lucky Dog and installed the mill.

Special to the Gazette.

Harrison, Jan. 31.—North Arkansas's first zinc ore plant using a dry concentrating process in place of the usual hydraulic system is being installed at the site of the Haskett mines, six miles north of Jasper on the Big Buffalo river. The lands are under lease to the Big Jumbo Mining Company of Chicago, Ill.

The new zinc concentrating process is said to be the invention of Earl Stumps invention of the Roy of the Lucky Dog it is believed that the Shepps company will move the mill and machinery from the Lucky Dog into the Control of the Roy of the sale of the property was made to satisfy the creditors' claims.

While-not definiately announced, it is believed that the Shepps company will move the mill and machinery from the Lucky Dog into the Bush field where the control of the Roy of the sale of the property was made to satisfy the creditors' claims.

chinery from the Lucky Dog into the Rush field, where the company

Test runs are expected to be made at the Edith mine at Rush and at the Lone Star mine at maumee in Marion county next week, J. H. Hand of Yellville, manager of the Mine Owners League, announced here.

N. W. Palmer of Harrison is directing operations at the Lone

recting operations at the Lone is Star mine, and the Edith Mine is operated by the American Mining the Co. of Wichita, Kan. The lease of the McIntosh mine was taken over recently by C. S. Freeburne of Wichita, Kan., who also is operating the Edith mine.

Mr. Hand said that Mr. Free-

burne plans to construct a mill at the McIntosh mine soon, while a group from Dallas, Tex., has ac-quired the Leader mine lease at Rush and is moving in machinery.

The premium price recently announced to be paid by the government on newly mined zinc is having a stimulating effect on development prospects in the Ozark district, Mr. Hand said.

Sharp County Zinc Mine Being Opened.

Special to the Gazette. 2-8-42
Pleasant Grove, Feb. 7.—J. W.
Bettes of Pleasant Grove, Stone county, has started mining operations on zinc ore in the Calamine field near Poughkapaie. Poughkeepsie, Sharp county. He has located a good run of sulphide ore in a 28-foot shaft recently sunk, which apparently will furnish enough crude ore for the operation of the operation of a mill, which he expects to build soon.

the mine were involved in court as new production, as the mines here have not been operating, while most of the output from the Tribate field will remain at the old price, only the increase over the section for mining on a large scale, here the chinery sold, and now is being moved to the Clabber Creek area in the production, as the mines were involved in court chinery has been installed in this section for mining ones, especially north of St. Joe, and other drills continued. The government is infault line to further develop mining.

Smelter To Reduce **Operations**

Fort Smith, Ark., Feb. 25 (AP) .-The Arkansas Smelting Company at Van Buren will reduce operations and production by 25 per cent Sunday to cut fuel and labor costs, Roy Warren, manager, said to-night. About 125 of 350 men em-ployed by the zinc smelter will be laid off.

Mr. Warren said an increased gas Mr. Warren said an increased gas rate placed in effect last December 3 by the Twin City Pipe Line Company made the curtailment necessary. In the face of government price ceilings on metals, Mr. Warren said, the rate increase served to wipe out the company's margin of operational profits.

A. B. Harper, president of the Twin City Pipe Line Company.

Arkansas mining area heretofore, but obtaining water throughout the vear has been a problem at the vear has been a problem at the vear has been a problem.

A. B. Harper, president of the Twin City Pipe Line Company, said the higher rate was ordered into effect by the state Utilities

Mill Completed At Edith Mine.

Special to the Gazette. 3-1-42
Rush, Feb. 28.—The new mill at the Edith mine in the Rush camp has been completed and mining ophas been completed and mining operations to supply the plant with crude ore are under way. The company is headed by C. S. Freeburne of Wichita, Kan. Development of the ore body on the property has been in progress for several months. The mine produces a high grade carbonate ore. The mill has a capacity of 100 tons a day. pacity of 100 tons a day.

Mine Near St. Joe Closed For Improvements.

mine, near St. Joe, operated by the Hurricane Mining Company under the management of J. C. Shepherd, have been suspended temporarily pumps and other machinery are being installed, W. P. Campbell, owner of the land on which the mine is located, said. while new and large compressors,

ore reducing mill will be installed.

New System To Be Used In Zinc Mines

Special to the Gazette. 3-15-42
Harrison, March 14.—Installa-

tion of a dry concentrating system, replacing the usual hydraulic process used in the North Arkansas zinc mining areas, has been completed at the mine of the Big Jumbo Mining Company, six miles north of Jasper, and operations are expected to start next week. The company has 160 acres under in the Newton county area and is interested in the develop-ment of other mines in that area. This will mark the first dry con-

centrating process in the North Arkansas zinc mining areas. The new process is the invention of Earl Stump of Harvey, Ill., nationally-known inventor for air-flow cleaning machines and which have cleaning machines and which have been used successfully in coal fields, John L. Stone, mining and machinery expert from Hazel Crest Ill., said. Mr. Stone and Mr. Stump are directing installation of the machinery. Mr. Stone will

Ores will be mined from the open pit and later drift tunneling will be followed, Mr. Stone said. The new process includes a large frost ball that weighs 3,000 pounds, hoisted with crane, which will be wind in bracking drift. used in breaking down the ore, eliminating the necessity of using dynamite in the tunnels. The huge ball is hoisted by a crane, then dropped into the box of ore, breaking the ore up to cob, leaving a larger per cent of pure ore in the cob box. The ore then is run through a crushing plant and screened to equal size then it is taken through an air separator.
The ore, handled by long conveyor belts leaving the cobbing box, produces about 30 tons an hour. This soon.

the year has been a problem at To Expand most mines.

A test run has been made of the machinery before actual operation to synchronize the machinery. Other Improvements Planned.

Plans are under way for erec-

and 50 men will be employed when production starts, in the mining of the ore and in the mill. Good hard-surfaced roads have been completed to the mining site, with a road crew working on a 24-hour shift. Several culverts were built and the road now is in good condition with good drainage the year round. Thirty men were employed on the road project.

Special to the Gazette. 3-8-42 Harrison, March 7.—Mining and milling operations at the Campbell

mine is located, said.

When the mine resumes operations, the output and the capacity of the ore mill will be doubled, Mr.

Special to the Gazette.

Ponca, March 14.—The Northwest Arkansas Mining Company, com-Campbell said.

Extensive drilling on the St. Joe fault with new and powerful machinery is under way by the Hurricane company, Mr. Campbell said, and much new mining operations is promised for that field, which is already a big producer.

The Lucky Dog, the zinc mine east of St. Joe, which was closed down a short time ago by court action and the ore mill sold, will shortly reopen it is said, and a new ore reducing mill will be installed.

Arkansas Mining Company, composed of Joplin (Mo.) men has taken over the Brewer, Kilgore and House mines and properties near here and have started active development work. S. C. Byrd, a former mine operator in the Joplin district, who has operated mines at Webb City and Duniweg, is in charge.

After they get sufficient ground opened up they will build a big concentrating plant that will handle 200 tons of crude ore daily. They are cleaning up the old drifts and tunnels in the Brewer mine, and expect to start a new shaft on the Brewer property soon, sinking to a depth of 135 feet or more. Ore on the properties consists of lead, lead carbonate, jack and zinc carbonate. Some cadminum also is reported.

This is the first large mining project ever started in the Ponca district, and if the ore bodies turn out as expected they will make a big production. The crude averages 10 per cent. All the mines they took over produced ore during the World war and before, but there has been little activity recently until the new concern took over.

Former operations never fully proved up the ore bodies. The ore all lies in fissures, some of them as wide as 35 feet. Most of the work done hitherto has been done on the upper parts of the fissures, no deep shafts having been sunk below water level. Geology of these fissures indicates that they may be very rich at greater depths.

Zinc Mining Activity Resumed In North Arkansas.

Special to the Gazette. 3-15-42
Harrison, March 14.—Zinc mining activity in the Searcy and Newton county fields is being resumed by the Manda Industrial Corporation, L. A. Watkins, president of the company, announced. J. C. Shepherd also is operating the Bald Hill mine and mill near Cave Creek postoffice.

A new drill rig started this week on the Campbell mine property, north of St. Joe, and other drills

tion of zinc in the North Arkansas Ozarks can be increased so as
to eliminate the necessity of importing zinc ores, he said.

To Mine From Open Pit,

Ores will be mined from the ores.

Workers along this fault line from minerals that can be utilized in the war effort," Mills said. "We have discussed the matter with Dr. R. R.

Sayers, director of the bureau, and than any which have yet been developed.

New machinery is being installed in both the mine and mill at the Campbell mine, operated by the Hurricane Mining Co., with increased power for the pumps taking the water from the deep shafts. Increased mining and milling activity is expected from the St. Joe field, officials of the Manda cor-

field, officials of the Manda corporation said.

The Bald Hill and Confederate properties again are in operation by J. C. Shepherd. The problem of supplying water to the ore milling operations has been solved and a steady stream of milled ore to the railroad shipping points at St. Joe and Harrison is expected to start and Harrison is expected to start special to the Gazette. 4-6-42 soon.

St. Joe, April 4.—The announce-

Gazette 3-26-42

Washington, March 25 (A).—Evan Just, secretary of the Tri-State Zinc tion of a warehouse for zinc ore storage from the mines in this area. A smelter plant also will be erected. Both will be located in the center of activity, Mr. Stone centage depletion for lead and zinc Mr. Stone said that between 40 mines before the House Ways and Means Committee yesterday. He reviewed the tax situation and said, "Percentage depletion was devised to bring greater simplicity and certainty for the taxpayer and the government." ernment.

He said it was well kno n Congress "intends, temporarily, to impose tax burdens which all of us realize cannot be borne permanently without serious consequences to our economic structure. The limiting factor today is the point where outright wreckage begins, rather than simple impairment. Within this limit the immediate and vital objective is the successful vital objective is the successful prosecution of the war effort."

War Needs Great.

"The compelling need for metals in our war program is too well understood to require elaboration. Now, however, a new complication appears on our horizon. At the present enormous rate of output, the lead and zinc mining industry is depleting its known ore reserves so rapidly it carnot expect to confine more than first expect to the state of the sta tinue more than five years without establishing new operations. In our own district this expectable life narrows to three years. To develop new operations in metal ming requires large capital expendi ing requires large capital expendi-tures and usually more than five

years of preparation.

"Where is the mine operator to find the funds to carry on this essential development? In his own suit are two pockets from which he can ordinarily do so. In one pocket from which this variety of ore has been produced are turned mines. is his income and in the other are the capital reserves he has accumulated through depletion deductions. But is is perfectly evident that out of sheer necessity Congress must take nearly all the conhave led over sulphide is because gress must take nearly all the contents of all income pockets, our own included. The mine operator is reduced essentially to what remains in his own depletion deduction pocket. If you permit the Treasury to empty that, only Uncle Sam's pocket, the Treasury itself, is left to finance our necessary task.

Fast Depleting Reserves.

"The cost of finding new metal"

"The cost of finding new metal ore reserves will be much higher in the future than it has been in the past. We warn Congress we have not been able to find new ore re-serves as rapidly as we have de-pleted them in the past 10 years. In other words, the incentives to prospect for the metals are already nadequate to sustain an important

Hopes for Investigation

Of Lead and Zinc Deposits, Gaze the Representative Mills (Dem., Ark.) expects investigations of lead and zinc deposits in Arkansas to be assured under funds proposed for the Bureau of Mines in the Interior Department appropriations bill reported to the House.

The bureau would receive \$651,-

265 for investigation of domestic sources of mineral supply.

Included in the minerals to be investigated next fiscal year, zinc and lead "occur in various parts of Arkansas.'

'It is our hope that investigations will be conducted in our state and that they will disclose additional

than any which have yet been de-veloped. believe he is very friendly to our suggestion that these surveys be

Special to the Gazette.

St. Joe, April 4.—The announcement made recently by the R. F. C. that it would loan up to \$20,000 to small mine operators who are mining ores essential to national defense will give the north Arkansas zinc and lead field new capital with which to put new mines in operation, and to better equip the mines now in operation.

The greatest handicap the field has had since the second World war started has been lack of capital. Operators of many good properties have had to discontinue work because of lack of finance.

The north Arkansas zinc and lead field, is the only undeveloped field of its kind left in the United States. During the World war it produced millions of pounds of zinc and a large qunatity of lead. Prices for these ores were much higher then than they are now, and the producers, once they got started, were able to finance themselves with output.

Only Undeveloped Field in U. S.

Only Undeveloped Field in U. S. Not only is the north Arkansas zinc and lead field the only undeveloped field in the United States, but its ore-bearing formations

The first commercial zinc ore mined in north Arkansas was mined in Sharp county in 1857, and one of the first charcoal smelters ever erected in the United States was built and operated at Calamine, in Sharp county, in that year.

The second zinc smelter built in parth. Arkansas was as Purch in

north Arkansas was at Rush, in Marion county, now one of the leading zinc mining camps in the field. This old smelter, built from stone,

still is standing.

Three Varieties Produced. The north Arkansas field produces three varieties of zinc ore sulphide, or jack, which is the primary ore; and carbonates and silicates, secondary ores. The car-bonates are a combination of zinc and limestone and the silicates combination of zinc and silica. T sulphides run on an average of 60 per cent metallic zinc, and the car-

been produced are tunnel mines. Silicates have shown the second

can be mined without having water to contend with. Most of the sulphide ore, or jack, lies below water level, and has to be mined from deep shafts.

Zinc metal derived from the carbonate ores makes the finest grade of metal that can be produced. During the first World war carbonate ores from the north Arkansas field were in strong demand for this reason. for this reason

Facilities Improved. During the first World war min-ing conditions and transportation and zinc mining industry in country. We urge that you conditions, and when the price of do not jeopardize our nation's fu-ture supply of these metals which

At that time there were nothing At that time there were nothing but mountain trails leading from the mining camps to the shipping points which made transporation charges high. Because of this it was difficult and expensive to get equipment and supplies into the field. There was no electric power that produced with Delegation. except that produced with Delcos,

Today these conditions are changed Good hard surfaced roads lead to every camp, and most every section has power. Tru are used instead of mule teams.

The principal ore producing centers today in the north Arkansas field are St. Joe, Rush, Harrison, Ponca, Jasper, Pindall, Yellville and Zinc. There are many other sections, however, that probably will come into production in a few

F.C. loans will give the north Arkansas zinc field, the Batesville-

Make Lead Strike In Marion County.

Special to the Gazette. 4-6-42
Flippin, April 4.-W. N. Christian, John Ballard and Albert and Walter Reed of Flippin reported

To Develop Arkansas Zinc Mines

Gazette 4-24-42

Production of zinc and lead ore from the rich northeast Arkansas zinc field in Lawrence and Sharp counties will be a arted within the next 90 days, Charles Hayden Gunter, Lawrence county mining engineer, said yesterday on his return

from Washington.
Mr. Gunter went to Washington in an effort to obtain government financing for development of the deposit, but through the efforts of deposit, but through the efforts of Garrett Whiteside, secretary to Senator Caraway, obtained what Mr. Whiteside said was "a pocketfull" of propositions from private capital.

Mr. Oder said the copany would begin buying manganese in about two weeks for use when the

gin installing machinery and equiption.
ment immediately, Mr. Gunter said,
Activities at Zinc and production should be under way in the Casper and Harris Mines Increasing. mines in Lawrence county within

Mr. Gunter said the ore will be shipped to smelters at East St. Louis, Ill., and Van Buren to be processed. It is hoped eventually to establish a smelter in Lawrence county when production becomes large enough to justify one, he said.

The large zinc deposit in the field is said to be the best in the United States. The ore is approximately 63 per cent zinc. Leases on most of the deposits are held by outside

New Zinc Mill Will Be Built On Gloria Mine.

Special to the Gazette. 5-17-42
Zinc, May 16.—The first modern mill in the zinc camp to be built since the World war will be started in a few days by the Moark Mining Company at the Gloria mine.

tent. Ore is sold to the Manda Corporation at Harrison.

Drilling is in progress by a Picher, Okla., company on the Batey mine, on Jimmys creek, north of Yellville. It is reported drillers have struck some good runs of high grade sulphide.

Guy Moore of Jasper, Newton county, is producing a good tonin a few days by the Moark Mining Company, at the Gloria mine.

The title to the land is owned by heirs of W. H. Almy, who operated the mine successfully during the World war. The company is made we of Fare Company is made to the Manda Corporation at Harrison. C. T. Rabenau. The latter is in in the Zinc camp, are opening up charge of operations. Some good some rich deposits silicate of zinc faces of ore have been opened up ore. Enough faces have been opened up or the property since operations started several weeks ago and plenty of crude is in sight to keep the new plant operating when it is in charge of operations.

stalled. New Interest Shown in Marion

New Interest Shown in Marion
County Zinc Fields.

Special to the Gazette. 5-17-42
Yellville, May 16.—During the last two weeks interest in zinc mining in Marion county has increased appreciably and several new concerns are entering the county.

Every effort is being made by citi-Every effort is being made by citi-zens here to encourage the min-ing of zinc for the all-out war ef-by secured, the operators plan

Ambrose Estes, formerly of Yell-ville, who has been living at Houston, Tex., for several years, and who was active in the zinc mining industry here during the World war, has returned, and is working out plans to increase ore production. Approximately 95 per cent of the best mining land in the county is owned by non-residents. There has been little active. is owned by non-residents. There has been little active mining work done on any of it. During the past few weeks Mr. Estes has written to all of the non-resident owners about operation plans, and has received more than 100 letters from them. Most of them have indicated willingness to start work if some definite plan can be worked out. This effort probably will result in much new mining during the next few months.

Albert and Walter Reed, John Ballard and Scott Rorie of Flippin,

Besides the financial help the R. who have been working a lead prospect north of here have struck some rich dessiminated ore during Cushman manganese field probably will be assisted greatly in opening new mines and putting better equipment in the older ones. holds, it will be one of the best found in this section.

Zinc Mine Mill at Rush to Be Operating in Two Weeks.

Rush, June 6.—The 100-ton mill under construction at the Leader Walter Reed of Flippin reported they have made a good strike of lead on a lease on Fred Morton's land, about 20 miles north of here on Music creek. Most of the lead encountered comes in free form ready for shipment, they said, asserting that from three square yards of excavation they recovered 500 pounds of free ore.

To Develop

Offices Opened by Zinc Mining Firm at Batesville.

Special to the Gazette. 0-10-42.
Batesville, June 9.—Offices were opened yesterday in the former North Arkansas Bank building by the American Zinc Company of Arkansas, a subsidiary of the American Zinc, Lead and Smelting Company of St. Louis, Mo. Robert Ammon, chief metallurgist of the parent company in St. Louis, will be

The company will operate mines and a treatment plant for the Metals Reserve Company, a government-owned organization, in the production of manganese ores in this district. Preliminary work has been conducted by Charles R. L.

These private enterprises will be- processing plant is put into opera-

Special to the Gazette. 6-14-42 Yellville, June 13. — Interest in zinc mining in the north Arkansas field continues to increase and

field continues to increase and new prospectors and operators are coming in daily.

The Edith mine at Rush, operated by the Maricon Mining Company, has struck some fine ore and the 100-ton plant is operating steadily. Ore is high grade carbonate of zinc and the concentrates run 40 per cent metallic content. Ore is sold to the Manda Corporation at Harrison.

up of Ray Anderson of Green Forest, Ernest Simpson, Sterlin Hurthe Gloria and Red Mill properley and H. E. Rhu of Berryville and ties belonging to the Almy estate

Rich Vein of Zinc Sulphide Ore

Zinc and Lead Mining On Increase 7-19-42

Black Rock, July 18.—Zinc and lead mining operations in the Lawrence and Sharp county areas are increasing, and there is a possibility that the Clear Spring settlement near here may develop into

a large lead producing section.

Nearly every well that has been dug in this area recently has shown lead. Ed. J. Korn and associates who have a lease on the Gibson land in that area are sinking shaft on one drill hole that showed a vein nine feet thick. The shaft is down 34 feet, and some lead has been encountered. The vein starts at the 51-foot level. Other drill holes on the property also have shown lead. If this shaft proves up successfully, there is little doubt

but that heavy operations will be started in the settlement soon.

Crusher Plant Busy.

W. E. Verkler, who operates the Lawrence county limestone property and property and property and property are placed by the property and property are placed by the placed by the property are placed by the placed by the placed by the property are placed by the placed b erty near Black Rock, is running the plant two shifts. He is producing ground limestone to sweeten the soil on that part of the air-port near Walnut Ridge, which is being sodded. He recently constructed a new office and put in a new set of scales. Mr. Verkler-contemplates installing a jaw crusher and screens.

This plant soon will be crushing zinc ore. Mr. Verkler has made an agreement with L. B. McCutchen of Memphis to crush the crude ore which he will mine from the Poe property near Eaton. Mr. Verkler will do the crushing and M. Weight will do the crushing and Mr. Mc-Cutchen will install hand jigs for concentrating and cleaning. C. H. Gunter of Smithville, who

Drill Test Reports Will Be Available

Gazette 7-26-42

Information on the prospective drilling of the United States Bu-reau of Mines will be available to bona fide operating companies who are prepared to mine newly discovered ore bodies, J. R. Thoenen, district engineer for the bureau, an-

Township plats showing drilling progress will be placed in the office of the bureau, 603 Union Life building, tomorrow. The plats will show the location of the holes drilled, and whether the holes contained and whether the holes contained

Information concerning the amount and grade of ore discovered will be considered confidential and will be given only to the land owner by the bureau. The ownership of the land will not be made public by the bureau, Mr. Thoenen said.

A warning was issued to land owners against signing long-term leases with "fly-by-night" operators, who obtain leases to hold for speculative purposes. It was explained that the ore can be of no benefit to the land owner or the warnings. to the land owner or the war effort unless it is extracted.

has a lease on the Casper min near Eaton, Lawrence county, ha cleaned out one of the old tunnels which is about 200 feet long ,and opened up a good face of jack Zinc shows all the way from the heading to the face. The face carries a vein of practically solid jack running from 10 to 16 inches thick. The ore is very high grade running around 63 per cent metallic content. The vein proper carries about 70 per cent ore in volume. Mr. Gunter expects to be producing in two weeks.

State Has Chance For Test Plant

July 31 1942

Arkansas mining men believe there is some chance the state may get the \$350,000 Bureau of Mines pilot plant and laboratory for scale tests of a new process for producing zinc. Interior Secretary Ickes announced plans for the plant Wednesday.

The new process employs natural gas in a direct reduction of zinc ore into the metal. It has proved successful in the laboratory and the proposed plant will provide first commercial tests. The plant will be located somewhere in the "southcentral section of the country," a Washington dispatch said.

Arkansas's stores of natural gas Arkansas's stores of natural gas will be an argument for location of the plant in the state. The car-bonate type of zinc ore, the prin-cipal variety found in the state,

may not be suitable for the tests, metallurgists said.
Sulfide, or "jack," zinc ore is believed to be the most suitable type for the direct gas process because the sulphur vapors given off in the process would burn and thereby help the smelting. There are some deposits of sulfide zinc ore in the state. The smelting process now in use is of the blast furnace type, used in reduction of incorporations. used in reduction of iron ore.

Four Zinc Mines to Be Opened Near Harrison Soon.

Special to the Gazette.

Harrison, Aug. 4.—Four of the J.

C. Shepherd mines soon will be in full operation, Mr. Shepherd said today. New pumps have been installed at the Excelsior mine north of St. Joe.

The new pump equipment with a capacity of 1,200 gallons a min-ute, is being used to keep the 300 feet of working space free of water. The Ball Hill mine and the mill in Newton county, near Cave Creek

and the Confederate, both Shepherd mines, are being operated, and it is expected that the Big Hurricane will be in production soon. Mr. Shepherd believes that there will be great activity in the north Arkansas zinc field soon.

Old Sharp County Zinc Mine Back in Operation.

Special to the Grzette 8-27-42
Calamine, Aug. 26.—The old Calamine zinc district in Sharp county, one of the first to be opened in the United States, is humming with activity again. Ben H. Bryant and Jack Manning have started work on the Fugat Hollow mine near Calamine, and are developing a fine body of jack (zinc sulphide) a fine body of jack (zinc sulphide) ore. They have 480 acres under lease and have opened some rich They expect to start a tunnel in the mountain soon, and open some big faces. They are doing their hard work with ccompressor and air drills. After they get sufficient faces opened they plan to build a 150-ton con-centrating plant at Calamine to process the ore from their own mine, and to mill ore from other mines on a custom basis. Zinc ore was smelted by the charcoal process at Calamine in 1857. The foundation of the old smelter still ex-

Zinc Production May Be Increased Soon.

Special to the Gazette. Harrison, Aug. 15.—Production if zinc ore in the north Arkansas field has not picked up much dur-ing the past 30 days. Some operators have made application for government loans to open up their properties and buy equipment. If these materialize operation next fall probably will show a healthy

Ed Mays of Leslie has been clean-ing up the Evening Star mine, be-tween Harriet and the Buffalo river ferry on State Highway 14. He probably will get it into operation in few weeks. It was mined during the the weeks, it was mined during the World war and made a good production. The old working tunnel is 300 feet in the mountain, and carries a four-foot face of carbonate ore. He also has found good outcrops on other parts of the property.

property.
Pat Watkins of Harrison, who
bus zinc and lead ores for the
Manda Corporation, reported purchases of two cars of ore during chases of two cars of ore during July, one from the Bald Hill, operated by the Hurricane Mining Company, and the other from the Edith and other mines on Rush creek, in Marion county. Mr. Watkins reported also purchases from J. B. Butler, operating a zinc mine near Eaton, in Lawrence county.

The Moark Mining Company, operating the Gloria and other mines

erating the Gloria and other mines at Zinc, in Boone county, have completed a small mill and shipped its first car of ore this week. The plant handles approximately 25 tons of crude ore a day. It recently opened up a rich vein of silicate in a tunnel back of the mill, which produces from four to six tons of concentrates a day running over 40 per cent metallic zinc.

Mill for Zinc Concentrating Completed

Special to the Gazette.
Smithville, Aug. 20.—The Victory Mining Company, owned by Leo F. Willenborg and associates of Batesville, has completed a zinc concentrating mill on its property near Eaton, in Lawrence county. The plant has a capacity of 75 tons a day, and was placed in operation this week. It is located on Cypress creek, which affords a good supply of water. J. B. Butler, a pioneer operator in the Lawrence-Sharp county field, is in charge of operations.

The mining operations are carried on in shaft and strip pits. The ore is galena and jack. Besides milling its own ore, the company will operate the mill as a custom mill, which will be a big help to other operators who have no mill-

ing facilities.
T. M. Romslo, with the Bureau of Mines, stationed at Little Rock, has been in the field several days examining the operating mines and old prospects, to determine the ex-tent of the ore bodies and their possible production.

More Good Ore Found. The Gibson lead mine in the Clear Springs settlement, near Black Rock, Lawrence county, is making some good showings. During the past month, the shaft has been driven from 34 feet to 40 feet and some good ore has been encountered. The drill hole on which the shaft was sunk showed eight feet of lead starting at 51 feet, with good dessimnated lead ore continuing to 68 feet.

C. H. Gunter of Smithville, who owns a part of the old Graceland mine tract, has 400 tons of crude stacked up at the mine, which he probably will haul to the Victory mill. He also has a lease on the Casper property containing 380 acres. This was one of the first zinc mines opened in Arkansas. He has a report on the property made by Purdue, more than a half century ago. The vein in the old tunner which he has cleaned out runs from 12 to 18 inches thick. expects to start active operations on the property soon. Several other good prospects also are located on the property, one of which is a promising vein of carbonate.

Mill Installed As Zine Field Is Extended

Jasper A new zine concentrating mill and ore plant has been completed and put in oberation at Jasper, and is another of the modern and permanent improvements being made in this zinc mining area, marked by the discarding of old mills and machinery.

The company is the Newton County Mining Company, headed by Chas. H. Herman, Chicago, with some local parties also interested. The plant is in charge of Peter Wells of

Jasper. The buildings were constructed of lumber cut by the company's own sawmill from timber on its lands.

The new mill will take care of ore from the company's three mines including the Keys Cap, Spanish Lamar and Brisco. The company has 2,000 acres of mineral lands and will bring its own drill rigs in for further drilling.

Mining activity is marked over this area. This week a carload of milled carbonate ore was shipped to a Ft. Smith smelter from the McIntosh mine at Rush, shipment being made from Yellville. A large force is at work at the Campbell mine at St. Joe, carloads of milled ore going out regularly over the M. & A. railroad.

Under the direction of the Little Rock office of the U. S. Bureau of Mines, an extensive drilling program has been started in the Rush field.

From People

(Make your letter as short as possible If it is more than 500 words, it will be cut or returned. Your name does not have to be published, but don't send an anonymous letter or sign a fictitious

12-8-42 Gazette Headline in the Gazette Said To Be Erroneous and Damaging.

To the Editor of the Gazette: I am writing to call your attention to a headline in the publishing of which it seems to me you have done an injustice to a part of your own state of Arkansas which is not only an important part of the mineral possibilities of Ar-

kansas, but is of great importance to the war effort of our country.

I refer to headline on Page 8 of your issues of December 4 as follows: "No Zinc Ore Found in Rush Area."

That is a very damaging headline to this extensive zinc district, because of the fact that many, many people will not take the time to read the entire article, which is not one-tenth as damain. aging as is indicated by your headline. It merely states that no zinc ore was found in the few holes drilled by the Bureau of Mines at the locations where they drilled and they themselves say in the article that this does not indicate there is no ore there elsewhere. So far as the drilling that was done is concerned, no one with any knowledge of the district expected them to find any ore at the locations where they drilled and all who have any knowledge of the district agree with Dr. John C. Branner who said approximately "the zinc ore reserves of the North Arkansas zine district are so great as to be unknown."

Your newspaper is one of the best in the country, and your first obligation is to publish the news, regardless of whom it may hurt, but you also owe allegiance to your own state's people and it is no doubt your policy to foster development of the resources of Arkansas as much as possible; therefore, when a news item of this type comes to your editors, it seems to me they should look twice before leaping, and not unintentionally destroy the efforts of those who are trying to get development work done in any part of the state, if it is a worthy

evelopment.
With best wishes for your continued Harrison, Ark. C. S. Woods.

CAPITOL Lead, Zinc Mines Said To Need U.S. Aid

Gazette 4-20-43

Financial aid from the Metals Reserve Corporation would be of much value in developing small zinc and lead mining operations in

Northern Arkansas during the war, State Geologist Joe W. Kimzey said

Independent operators are finding it difficult to raise funds to purchase equipment and establishment of one or more stock piles by the MRC would give them sufficient funds to go ahead, Mr. Kimzey said. Stock piles could be established conveniently at St. Joe, Yellville

and Harrison, he said.

The stock pile would permit the "little miners" to obtain ready cash for purchase of additional equipment, Mr. Kimzey said, as they wouldn't have to wait until they accumulated car load lots for shipment.

Money, Equipment Needed.
Financing and equipment are the chief difficulties facing the state's new crew of "pick and shovel" miners, the state geologist declared.

miners, the state geologist declared. He said it is hard to find equipment after they get the necessary money. Transportation problems can be overcome, he said.

A new processing mill will be completed within the next two weeks in the Rush district, Marion county, Mr. Kimzey said, to handle ore from four old mines. Another has been constructed at Jasper. has been constructed at Jasper, Newton county. The geologist reported increased mining activity in nearly all active fields of Newton, Marion, Boone and Searcy counties.

Harrison Daily 4-20-43

Lead and Zinc Mines Said To Need U.S. Aid

Little Rock .- Financial aid from the Metals Reserve Corporation would be of much value in develcping small zinc and lead mining operations in Northern Arkansas during the war, State Geologist Joe W. Kimzey said yesterday.

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Harrison Daily 4-20-43

RFC Loan To Lo Roy Mine

Roy F. Wernecke, partner-manager of the Lo Roy Mining Company has received notice that the RFC has granted his company a loan to further develop by the churn drilling method the mining property, near Jasper. Mr. Wernecke goes to Little Rock Thursday to confer with Wm. A. Riggs to complete all the details. Mr. Riggs was in charge of the RFC mining loans in this area before that

function was transferred to the Joplin office.

Mr. Wernecke has been a pioneer in the present drive to develop this mining field, having come here about 18 months ago and actively engaged in the work. He has sold considerable ore having gotten out some high grade zinc sulphide. He is enthusiastic concerning the future of the north Arkansas field and sees the necessity of developing the mines here to supply the great demand for the metal by the government.

Miles Brabazon of Chicago, Ill whose interests have been in the gold producing Rocky Mountain area until the war caused a great demand for zinc, has been visiting here with Mr. Wernecke. Mr. Brabozon has been in this area several times during the past year and has the highest regard for the Newton county field, he states. He is of the opinion that this area should be exploited as soon as possible and that a great amount of high grade ore will be found.

The Lo Floy mine near Jasper has produced some of the richest ere to go from this field.

Texans Buy Tract and Start Mining Zinc. 5-18-43

Special to the Gazette.

Yellville, May 17. — The Hall
Mountain Mining Company comprised of a group of Texas men,
has bought 1,220 acres of zinc land
has bought 1,220 acres of zinc land on Hall Mountain, in Marion county and have started operations.

Owners include J. C. Jones, W. T. Hall, Fred R. Schmidt, and Milton Harber. Several mines that were World war I producers are located on the property, among them the Truex and Willett mines. The new owners have build a new road to their properties and have started levelopment. They have also bought mill and other mining equipment.

Zinc Mining Shows Gains Past Month

Gazette 5-23-43
Special to the Gazette.
Yellville, May 22.—Zinc mining

in the North Arkansas field has snown some gains during the last 20 days, and from present indications, gains will continue. Three mills now are in operation.

The terrific rains the first of the

week practically closed down all mining operations in the field, but they will start in a few days. The Silver Hollow Mining Com-pany, which has been conducting

development operations eight months, is now in production. It operates the Silver Hollow and Silver Queen properties in the Rush Creek District in Marion county. Its present operations are at the Silver Hollow. This is one of the few mines in the Rush district producing jack. The biggest strike in the mine was made last week when drillers shot into a vein of ore that carried 40 per cent jack. This is one of the richest veins ever encountered in the district. Operations are directed by W. J. Cushing and John Dirst of Yellville. Art Goatley is mill superintendent.

Music Creek Development. Reed Brothers of Flippin still doing development work on their lease on the Fred Morton land, 20 miles northwest of Flippin, on Music creek. They recently found a deposit of disintegrated carbonate ore in dust form that runs high in zinc content for which they probably will find a market. They also have encountered some

good runs of carbonate.

The Excelsior mine, operated by the Excelsior Mining Company of

the Excelsior Mining Company of Harrison, is in production again, producing high grade jack. It has encountered and is now testing out some new faces of ore. Doyle Palmer is in charge. He expects to ship a car of ore in May.

The Hurricane Mining Company, J. C. Shepherd in charge, is sinking its third shaft in the St. Joe fault at the Hurricane mine. He sank two others to a depth of 70 feet, 150 feet apart, struck good carbonate ore, and ran cross drifts across the fault. The third shaft is now down to a depth of 40 feet, but has not yet reached the ore horizon.

The Moark Mining Company, operating the Almy, Jackpot and crating the Almy, Jackpot and other properties at Zinc, in Boome county, has its mill in operation and will ship a car of silicate of zinc this month. It has completed a trestle from across the narrow valley to the mill, over which it will move mill ore to their plant. As soon as flood damage is cleared in the company will be company will. up, the company will start a new prospect tunnel at the Jackpot. It recently installed a new compressor, concentrating table and drift drill. C. T. Rabineau of

Zinc is in charge.

James Rogers, operating the Coon Hollow tract at Zinc, is driv-Coon Hollow tract at Zinc, is driving a new tunnel into ground that lies behind a series of tunnels that made a big production during the World war. He has checked all of the ore-bearing ground these tunnels were driven in, and they show an average of 13.40 per cent zinc. He also has tested the bearing clays that run from 20 to 30 per cent and has driven into some ore through the roofs of the old tunnels. old tunnels.

Little Damage To Zinc Mines By Floods Gazette 6-13-43

Special to the Gazette.
Yellville, June 12.—Although many mines in the north Arkansas zinc field were flooded in May, no serious damage resulted. Most of them have been pumped out and are in operation again. The situation in the field is better than it has been since the war started. Some production is being made, and new mining men are entering

and new mining men are entering the field.

Buffalo river, which rose as high as it did in 1927, flooded the Silver Hollow mine, but it has been pumped out, and the machinery is dried and back in operation. John Dirst and W. J. Cushing of Yell-ville are in charge of operations. The Rush Creek Mining Company, operating the Lonnie Boy, White Eagle and LaRuh, will resume work soon. By late summer the Rush Creek district, which was the largest producer of zinc ore in the field during the World war, will be in good production. Most of the ore produced in the district during that period was carbonate. The major portion of the production this year will be high grade jack.

More Brilling Expected.

Dr. S. A. Trengove of Rolla, Mowith the Missouri state Geological Survey, is assisting the Bureau of Mines, out of the Little Rock of

with the Missouri state Geological Survey, is assisting the Bureau of Mines, out of the Little Rock of-fice, as consulting engineer. He and Louis Brichta spent last week inspecting mines and prospects in several areas of the north Arkan-sas field. It is possible that more drilling will be done in that sec-tion

At the Hurricane Mining Company, operating the Hurricane mine, near Pindall, one prospect shaft was damaged by flood waters. Operations are in the charge of J. C. Shepherd. A large tonnage of ore has been proved up on the property during the past few months with shafts and cross-cut drifts.

drifts.

The Excelsior Mining Company, operating the Excelsior mine near St. Joe, had to stop operations for a short period because of flood waters. The mine has been pumped out and is in operation again. They

waters. The mine has been pumped out and is in operation again. They produce a high grade jack. Doyle Palmer is in charge.

Gets Government Loan.

LoRoy Wernecke of Harrison, operating the Jumbo mine on Buffalo river, between Harrison and Jasper, has obtained a \$5,000 government loan for prospect drilling ernment loan for prospect drilling purposes. He will start this work as soon as he can locate a churn dril-

purposes. He will start this work as soon as he can locate a churn driller. During the past few weeks he produced 16 tons of high grade jack, concentrating it on hand jigs.

James Rogers of Harrison, operating the Coon Hollow mine in the zinc district of Boone county, has his investigation work on the ore deposits on the property nearly completed and is planning a mill.

Reed Bros. of Flippin, doing developing work on a lease on the John Morton land, north of Flippin, have encountered another new type of ore. It is copper pyrites imbedded in lime spar. The spar is almost as clear as glass and the ore scattered through it resembles flecks of gold. The quantity has not been determined.

Arkansas Gazette 7-11-43

Tells of Finding Zinc and Lead in Logan County.

To the Editor of the Gazette:

If you think this item is worth any-If you think this item is worth anything for defense you may publish it. In 1915 I was hunting gold in Logan county. Arkansas, but found most everything but gold. I found an outcropping of zinc, rich free rosin Jack ore, a pick and should levent to hearin with Boone. and shovel layout to begin with. Boone-ville nearest town, four miles to shipping point. This was a zinc and lead formation that would cover a township or more. At that time the lead and zinc mines were shut down, and as I was after gold I passed it up. Now I'm too old to mine. For anyone or parties wanting a zinc or lead mine, it will pay to investigate.

Star Route, Wooster, Ark.

Arkansas Gazette 10-9-43

State Geologist Surveys Boone County Zinc Possibilities.

Special to the Gazette. Harrison, Oct. 8.—J. C. Roehm, Harrison, Oct. 8.—J. C. Roehm, associate geologist of the Arkansas Geological Survey, is making a special study and investigation of the possibilities of zinc ore production in the Rush Creek, Marshall, St. Joe, Harrison and Jasper areas.

Mr. Roehm's work in the North Arkansas mineral field possibly will be directed toward working out two, three or four central points around which other properties could made to serve configuous pro-

ducing properties.

Arkansas Democrat 10-10-43

Bureau of Mines Will Prospect Zinc Ores

Prospect Zinc Ores

Yellville—J. R. Thoenin, Little Rock, district engineer of the U. S. Bureau of Mines, has been making a trip through zinc fields. He states that drilling in the zinc districts of Boone, Marion and Searcy counties will be started this month with a view of ascertaining the extent of certain known bodies of ore.

This drilling, he said, will be different in its purpose from that done in Marion County by the Bureau of Mines several months ago. Then drilling was for the purpose of locating deep ore bodies, with no regard to the known bodies of ore at shallower levels.

In each of three reports Mr. Thoenin has made to the Bureau of Mines, he has recommended the establishment of stock piles in the North Arkansas district, which would give the smaller operators a market at all times for whatever quantity of ore they wish to dispose of. This would enable them to continue operations steadily.

Production Of Zinc Ore Shows Gain

Special to the Gazette. Yellville, Nov. 13.—Zinc ore shipments from the North Arkansas field will show a slight gain over September and October. Government loans to mine operators appear improbable, but there is a slight possibility that one or two such loans may be made.

The Silver Hollow Mining Company, operating the Silver Hollow

pany, operating the Silver Hollow and Silver Queen mines in the Rush Creek district shipped a car of zinc sulphide concentrates this week, and probably will make another car before the month expires. Alvin Wight, who is connected with the company, is directing operations.

Production at the mine is showing a good increase which is attributed to a better labor situation and reconditioning of equipment, both in the mine and mill. Operators expect to keep the mill rolling four days a week instead of two. Their recovery from the crude is running about nine per cent, very high grade sulphide concentrates.

Exploratory Operations at Truex.

The Hall Mountain Mining Company, J. C. Jones of Yellville in charge of operations, will ship a car of high grade zinc carbonate this month. The company is operating the Truex and other properties on Hall mountain. The ore was mined from the Truex, on which miners are conducting exploratory operations. They are getting very good results, and expect to develop several good mines.

The Moark Mining Company, operating the Almy. Jackpot and other properties in the zinc district in Boohe county, are in operation, and probably will turn out a car of silicate concentrates by the end of the month.

Bureau of Mines Active in Field.

The Bureau of Mines is active

the month.

Bureau of Mines Active in Field.

The Bureau of Mines is active again in exploratory work in the field. A drilling program has been started and operators are sinking holes on the Hurricane mine in Searcy county. Some carbonate has been encountered. Operations are in charge of R. B. McElwaine, whose headquarters are at Harrison. Other sites where they will drill are at the Speer and Coon Hollow mines. T. M. Romslo inspected drilling operations this week, Felix A. Vogel, also with the Bureau of Mines, is in the field inspecting a big pyrite deposit near Berryville, in Carroll county, and other iron deposits in the field that might be utilized in a postwar program. gram.