Commission Sets Gives Promise Oil Allowables Of Producing For Three Fields

El Dorado, April 18.—Permanent Smackover Lime try about six miles brado, April 18.—Permanent production allowables were fixed for three new Arkansas oil pools and a number of petitions were granted by the Oil and Gas Commission in an executive session after the quarterly statewide hearing at the Union County Courthouse here today.

No change was made in allow-

to be drilled on alternate 40-acre tracts, with surface casing set at 500 feet and cement set to top of hole.

The California Company's P. D. Burton Jr. et al. No. I well in NE NE 9-18S-23W, Lafayette County, was granted an allowable of 100 barrels per day.

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An allowable of 114 barrels per day was set for the new Springhill Field which straddles the Arkan-sas-Louisiana border and was sas-Louisiana border and was opened by Pan-Am Southern's Lucy Burns No. 1 in SW SW 7-20S-22W, Columbia County. Although operators in the Field asked for 20-acre spacing, the Commission set a 10-acre regulation to conform set a 10-acre regulation to conform 2,600 feet. to Louisiana spacing governing the

On petition for Lee and Mark-ham Production Company and A. C. Allyn, an allowable of 100 barrels per day was set for the Price No. 1 in SE NW 18-16S-25W, Miller County, Garland City-New

Other applications granted:

Stanolind Oil and Gas Company, to integrate and adjust rights and equities of all interests in Pettet Lime production in N½ NE 11
Inc., was nearing complete the large of th 20S-22W, S½ NE Section 11, and week end on a shallow test in west 673 feet of SW NW of Section 12-20-22W, North Shongaloo Field, Columbia County.

Three wildcats are being drilled in the County.

Field, Columbia County.

Arkansas Louisiana Gas Company and Arkansas Oklahoma Gas Company, to integrate all interests in the drilling and production units in the Cecil Gas Field, Franklin County, described as all of Sections 21, 23 and 30-9N-28W and all of Sections 24 and 26-9N-29W

Three wildcats are being drilled in the County.

Crow's well is the Thurman No. 1, NW SE 12-20-23, headed for 3,-200 feet to Tokio Formation. Total depth reached was not revealed.

One wildcat has just begun. This is Lyon, McCord and Logan's Allie Vaughan No. 1, SE SW NW 3-17-

Sections 24 and 26-9N-29W.

McAlester Fuel Company was granted a permit to drill their C. M. Wesson B-8, 200 feet west of east line and 765 feet north of south line of SE NW 24-15S-19W.

Ouachita County Wesson Field in the Russell Goode No. A-1, SE SW 36-18-19, near Atlanta Field. It will be drilled to Ouachita County, Wesson Field, in

Ouachita County, Wesson Field, in exception to the rules.

McAlester also was granted permission to inject salt water produced in the Wesson Field into the Tokio formation for the R. W. Wesson B-5 well in NW SE SE 24-15S-19W.

The hearing was conducted by P. M. McLaughlin, director of conservation and production. O. C. Bailey of El Dorado, Commission chairman, presided at the executive session. Other commissioners in attendance were R. S. Warnock Jr. of Magnolia, Basil Hoag of Texarkana, James D. Reynolds of Camden and O. G. Murphy and Ed Hollyfield of El Dorado.

County gave promise of a good producer this week as another

No change was made in allowables for the settled pools. Total allocation for controlled oil pools effective May 1 will be 69,723 barrels per day and controlled gas pools 52,557 MCF per day. Oil production from all sources is expected to total 93,948 barrels daily.

Wells in the Horsehead Field of Columbia County opened, by Mc-

Wells in the Horsehead Field of Columbia County opened, by Mc-Alester Fuel Company's McCollum A-1 in NW NE 22-19S-21W, were granted 100 barrels daily with gasoil ratio set at 2,000 to 1.

An 80-aere spacing regulation was set for this field with wells to be drilled on alternate 40-acre tracts, with surface casing set at producer completed by Marine last December to

from perforations around 2,200 feet. The operator is continuing to test. Nine miles southeast of El Dora-

Completion In Columbia

is Lyon, McCord and Logan's Allie Vaughan No. 1, SE SW NW 3-17-

lanta Field. It will be drilled to

2,974 Oil Rigs Reported Active

Dallas, April 12. -A total of Dallas, April 12. —A total of 2,974 rigs were active in oilfields of the United States and Canada this week, Hughes Tool Company reported to American Association of Oilwell Drilling Contractors.

This compares with 2,879 a week ago, 2,839 a month ago and 2,406 in the comparable week of 1951

the comparable week of 1951.

In the Arkansas-Louisiana-East

Texas area, 149 rigs were active, up five from the previous week. Rigs in operation in other areas: Pacific Coast, 159; Oklahoma, 338; Kansas, 190; Rocky Mountain, 177; Canada, 171; West Texas and New Mexico, 747; Gulf Coast, 628; Illinois, 96, and North Texas, 319.

Oil News

Activity Scheduled In Bear Creek Field 3 New Fields Of Northwest Union To Be Given

GAZETTE 4-20

El Dorado, April 19.—Activity in the Bear Creek Field of north western Union County is expected to resume soon after a lull in operations there for several months.

Oil News

Allowables

Field Rules Also Will

ARKANSAS DEMOCRAT, Sunday, April 13, 1952-3D

the R. W. Wesson B-5 well, NW 1-4
SE 1-4 SE 1-4, section 24, twp. 15
S., range 19 W., Wesson Field,
Ouachita county. Well Testing

Eight Given **In Smackover** Permits To Drill Wells

Three Wildcats Drill in Union

Big Lime Wildcat In

Columbia Also In

Gazette State News Service

El Dorado, April 19. Wildcat exploration was under way in three areas in Union County this week

Deepest project is Curtis Kinard's Taylor No. 1 in SE NE NW 28-18S-12W, where crews were drilling below 5,000 feet. The Taylor is located one mile north of Strong and in only a half prile gardeness. is only a half-mile southeast of a failure recorded some months ago.

It is slated for the Smackover lime formation at 6,500 feet.

Marine Oil Company was drilling below 4,110 feet on the Olin No. 1

in SW SE 29-17S-12W, also planned for the Smackover lime. This new test is three-fourths of a mile east of a good heavy crude producer

G. Bradham was preparing to test the A. T. Munday No. 3 in SE SW NE 25-17S-16W, only a few feet from the A. T. Munday No. 2, abandoned at 2,400 feet. The new try will be tested at 2,200 feet, where production is expected to be found production is expected to be found in the Nacatosh sand. The original well was drilled through this forma-





Say 4-19 Union Wildcat Commission Sets Gives Promise Oil Allowables For Three Fields

El Dorado, April 18.—Permanent production allowables were fixed north was recorded as a dry hole. for three new Arkansas oil pools

An allowable of 114 barrels per day was set for the new Springhill Field which straddles the Arkansas-Louisiana border and was opened by Pan-Am Southern's Lucy Burns No. 1 in SW SW SW 7-20S-22W, Columbia County. Although operators in the Field asked for a 20-acre spacing, the Commission set a 10-acre regulation to conform to Louisiana spacing governing the to Louisiana spacing governing the

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Other applications granted:

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Field, Columbia County.

Arkenses Livisian County.

Gazette State News Service
Magnolia, May 10.—Milton Crow,
Inc., was nearing completion this
week end on a shallow test in
Columbia County's Springhill Field.
Three wildcats are being drilled in
the County.

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Crow's well is the Thurman No.

1, NW SE 12-20-23, headed for 3,-Arkansas Louisiana Gas Company and Arkansas Oklahoma Gas Company, to integrate all interests 200 feet to Tokio Formation. Total in the drilling and production units in the Cecil Gas Field, Franklin depth reached was not revealed. One wildcat has just begun. This County, described as all of Sections 21, 23 and 30-9N-28W and all of Sections 24 and 26-9N-29W.

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South line of SE NW 24-15S-19W, Ouachita County, Wesson Field, in exception to the rules.

McAlester also was granted permission to inject salt water produced in the Wesson Field into the Tokio formation for the R. W. Wesson B-5 well in NW SE SE 24-15S-19W.

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The hearing was conducted by P. M. McLaughlin, director of conservation and production. O. C. The test has been drilled to 9,-200 feet of a proposed depth of 10,150 in Smackover. Promising shows were found in Tokio at 3,100 feet, but Pettet Lime, Travis Peak and Cotton Valley tests were fruitless. servation and production. O. C. Bailey of El Dorado, Commission chairman, presided at the executive session. Other commissioners in attendance were R. S. Warnock Jr. of Magnolia, Basil Hoag of Texarkana, James D. Reynolds of Camden and O. G. Murphy and Ed Hollyfield of El Dorado. 2,974 Oil Rigs

Of Producing

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Kansas, 190; Rocky Mountain, 177; Canada, 171; West Texas and New Mexico, 747; Gulf Coast, 628; Illinois, 96, and North Texas, 319.

by M. E. Tumlinson.

East Field Activity
Testing has been resumed on C.

J. Saulsbury & Sons' Moody No. 1
in W1-2 NE NE 19-17S-14W, El
Dorado East Field. Operations on this well were shut down for sev-

GAZETTE 4-20

Oil News Activity Scheduled In Bear Creek Field Of Northwest Union Bigging and a proper deposition of the property of the service of the property of the p

Three Wildcats **Drill in Union**

Gazette State News Service

El Dorado, April 19. Wildcat exploration was under way in three areas in Union County this week as one new try was chalked up as duster. Deepest project is Curtis Kinard's Taylor No. 1 in SE NE NW 28-18S-12W, where crews were drilling below 5,000 feet. The Taylor is located one mile north of Strong and

is only a half-mile southeast of a failure recorded some months ago. It is slated for the Smackover lime formation at 6,500 feet.

Marine Oil Company was drilling below 4,110 feet on the Olin No. 1 SW SE 29-17S-12W, also planned for the Smackover lime. This new test is three-fourths of a mile east of a good heavy crude producer completed by Marine last Decem-

Two miles west of El Dorado, E G. Bradham was preparing to test the A. T. Munday No. 3 in SE SW NE 25-17S-16W, only a few feet from the A. T. Munday No. 2, abandoned at 2,400 feet. The new try will be tested at 2,200 feet, where production is expected to be found production is expected to be found in the Nacatosh sand. The original well was drilled through this forma



Oil News

The Defense Minerals Exploration Administration has approved a \$100,000 search for manganese ore in the providing thus providing new hope that Arkansas may be able to push still further forward in the production of the rare and vital steelmaking agent. Manganese ore has been exported commercially since 1850 from the Batesville-Cushman area and a multimillion-dollar beneficiating plant is now being built there to expand production. But although the presence of the ore in the Ouachitas has been known for years no exploitable deposits have ever been 1, which opened a new heavy crude pool late last year. The Pine is

Manganese, which is used in toughening steel, has been in short supply since ing steel, has been in short supply since
shortly after World War II, largely because Russia controls much of the
world's output. Although the American

A mile north of Strong, Curtis
Kinard was drilling below 4,400 feet
on the Taylor No. 1, SE NE NW 2818S-12W. This wildcat also is slatedworld's output. Although the American 18S-12W. This winder also is shown for the Smackover lime expected to steel industry has succeeded in obtaining increased shipments from other foreign sources, the value of a domestic eign sources, the value of a domestic try on the Mrs. A. T. Munday farm, three miles west of El Dorado. supply—which would not be subject to three miles west of El Dorado. Crews were below 2,400 feet on the obvious enough.

dict anything about a mineral survey which is merely getting started. But the very fact that the Inland Mining the drilled to 2,750 feet. Dalias, April 12.—A total of 2,974 rigs were active in oilfields of the United States and Canada this week, Hughes Tool Company reported to American Association of Oilwell Drilling Contractors.

This compares with 2,879 a week ago, 2,839 a month ago and 2,406 in the comparable week of 1951 Corporation of Dallas entered into a contract of this magnitude with the 117 Wells Completed federal government indicates that the venture is worth the effort. It goes In Oklahoma Fields without saying that a solid "strike" of Tulsa, April 12 (A).—Oklahoma oil ore in this partially-explored area would add great impetus to Arkansas's expanding industrial economy. And, of far greater importance at a critical time like this, it is equally clear what its effect would be on the nation's steel industry.

Tulsa, April 12 (AP).—Oklahoma oil of field operators completed 117 wells of field operators completed 117 wells of this week, a drop of 20 from the previous week. The Tulsa World's survey showed 133 new wells staked, against last week's 116.

Oilers brought in totaled 64. They had an initial daily crude output of 4,595 barrels. No gassers were reported. However, gas flow from the oil wells was 5,470,300 cubic feet daily.

More Manganese? 6 Azerta Another Wildcat

east of El Dozado. Scheduled for the Smackover ime formation around 6,000 feet, the new try is about three-quarters of a mile east of Marine's Pine No. making 90 barrels of 12 gravity crude per day but as yet no direct offsets have been drilled.

he hazards of wartime shipping is No. 2, located in SE SW NE 2517S-16W, just a half-mile northeast of a dry hole drilled by Bradham last year. The first well was drilled

Three sites were abandoned. Footage drilled totaled 430,117.

Settled Fields Yield Four New Producers El Dorado, April 12.—Lion Oil Company has staked location for the fourth wildcat try in Ashley County. It is the Crossett Lumber Company No. A-3, 490 feet east and 525 feet south of NW C NE SE 11-18S-6W. Lion crews were nearing pro-

For producers this week as two tries neared completion and several new starts were announced.

Marine Oil Company's Thermone Additional Service

Gazette State News Service

Union County yielded ber Company No. B-1 in SE NW
8-18S-5W, where the drilling bit was below 3,476 feet. This company's first two tries in Ashley

Marine Oil Company's Thompson A-18 in NE SW SE 3-18S-13W were failures. in the prolific Urbana Field of East Central Union flowed at the rate of 40 barrels of 28 gravity crude per day through perforations at 3,318:25 and 3,328-34 1-2 feet. There was no water.

tions at 3,318-25 and 3,328-34 1-2 feet. There was no water.

In the adjoining section on the north, Creslenn Oil Company's J. C. Parker No. 9, NW SE 3-188-13W pumped 16 barrels per day from 3,342-48 feet, and their Hadley A-5 in SE NE SW of section three flowed 14 barrels of oil per day through 1-8 inch choke from 3,318-30. Pressures are expected to drop in the Hadley and it may be necessary to install pumping unit.

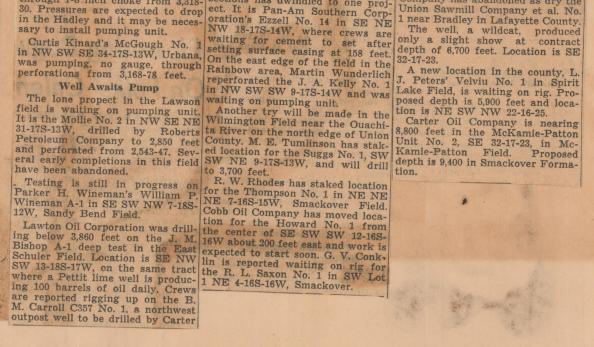
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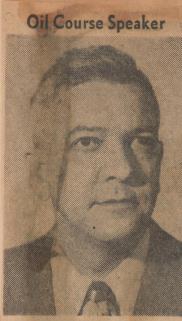
Will-17S-14W, where crews are waiting for cement to set after depth of 6,700 feet. Location is SE

Wildcat Staked In Ashley Field

Lion crews were nearing pro-posed depth on the Crossett Lum-

Job Abandoned





Magnolia, April 12.—Kenneth Wimer, treasurer of the Murphy Corporation of El Dorado, will discuss source documents and revenue here at 7 will discuss source documents and revenue here at 7 p. m. Tuesday at the sixth session of the petroleum accounting technical course under way at Southern State College. The course will continue through May 20, with classes each Monday and Tuesday.

Springhilfied

This company recorded a failure in the Calion Lumber Company No. 1 wildcat in SW NE 8-15S-14W, Calhoun, three miles southwest of the Hampton field. The project was abandoned as dry at 2,665 feet. Six miles west of the Artesian

Test Completed

levels.

In Magnolia Field, G. H. Vaughn is near 8,000 feet in the Joel Jones A-2-X, NE SE NE 21-17-21. It is headed for the Smackover lime at 7,600 feet.

Lawton Oil Corporation's Russell Goode No. 1, SE SW 36-18-19, in Atlanta Field is drilling under middle string set at 2,377 feet. The well, a wildcat being drilled by Mc-Alester Fuel Company, is due for a Smackover depth.

In Magnolia Field, G. H. Vaughn is did in the Joel Jones A-2-X, NE SE NE 21-17-21. It is headed for the Smackover lime at 7,600 feet.

M. E. Tumlinson, drill Suggs No. 1, SW SW NE 9-17S-13W, Union, Willmington, 3,700 feet.

R. W. Rhodes, drill Thompson A-1, C NE NE NE 7-16S-15W, Union, Smackover, 2,700 feet.

R. M. Iglehart, drill J. C. Malone Willisville, 1,200 feet.

R. M. Iglehart, drill J. C. Malone Willisville, 1,200 feet.

OPS to Talk **Decontrols**

With Oil Group

Washington, April 12 (AP).—The Office of Price Stabilization has an April 23 date with officials of the Independent Petroleum Association of America to discuss the Association's request for removal of controls on oil and gas prices.

wildcat, 3,500 feet.

Alcan Oil Company, drill Southern Kraft No. 8, 150 feet east and 445 feet north of SWc SE SE 34-148-14W, Calhoun, Hampton, 2,550 feet.

Munoco Company, drill O'Keefe No. 1, 606 feet south and 255 feet west of NEc NW SW 5-148-21W, Nevada, wildcat, 4,200 feet.

Marine Oil Company, plug Hadlev No. 1, 12-188-13W, Union.

tion's request for removal of controls on oil and gas prices.

The Association contends prices of petroleum and natural gas are not subject to control under the Defense Production Act. OPS recently threw out a protest from the Association, holding that trade associations have no authority to seek relief from price controls and that the protest was not filed within the six-month limit after is-

Two Deep Tests Drilling in Miller

Gazette State News Service

Magnolia, April 11. — Two deep tests in Miller County are still drilling but one of them should be completed soon. Another well is more than two-thirds to contract depth.

Stanolind Oil and Gas Company is down to 10,797 feet in the Miller Land and Lumber Company B-1, SW NE 17-18-27, in Fort Lynn Field. It is scheduled to go only a short distance further.

The other deep test is Dickson Heirs No. 1, SE N W36-19-27. It has been drilled to 10,625 feet after first plans to stop at 7,500.

Stanolind - Harvey's Kochtitzky No. 1, SW NE 9-18-27, has been drilled to 4,800 feet. Scheduled depth is 6,500. This is also in Fort Lynn Field.

Test in Nevada

Reported Dry

Gazette State News Service

California Company, P. D. Burton Jr., et al, No. 1 in NE NE 9-18S-23W, Lafayette.

Pan-Am Southern Corporation, Lucy Burns No. 1 in SW SW SW Tar-20S-22W, Springhill, Columbia.

Lee & Markham Company, A. C. Allyn and Garland Anthony Oil Company, Price No. 1 in SE NW Miller.

Other business will include request of Stanolind Oil and Gas Company to integrate equities in the Pettet lime of the N 1-2 NW 11-20S-22W, North Shongaloo.

Arkansas Louisiana Gas Company and Arkansas Oklahoma Gas Company to integrate all interests in all of section 23-9N-28W, Cecil Field, Franklin, Northwest Arkansas gas area and same firms to integrate section 21-9N-28W, section 24-9N-29W, and section 26-9N-29W, all in Cecil Field; McAlester Fuel Company permit to drill C. M. Wesson B-8 in ex-

Gazette State News Service

Magnolia, April 11.—A Nevada ception to spacing rules for Wesson Has been abandoned.

This is the Arthur Russell No. 4, 24-15S-19W, Ouachita, and same SW NE 8-15-22, in Falcon Field. It recovered a slight show but was not of commercial promise.

Well Drills Below 500

Gazette State News Service

McAlester Tutch Wesson B-8 in exception to spacing rules for Wesson Field, location 200 feet west and 765 feet north of SEc SE NW 24-15S-19W, Ouachita, and same frim petition to inject salt water producer in Wesson Field into Tokio formation of R. W. Wesson B-5 in NW SE SE 24-15S-19W.

The commission will study the more than 65 flush oil and gas pools of the state for the purpose of fixing daily allocations. The

Alcan Brings In Well Pumping 28 Bbls A Day

Gazette State News Service
El Dorado, April 12. — A good
pumper was completed this week in
the Hampton Field of Calhoun
County when Alcan Oil Company
brought in Southern Kraft No. 7,
SE SE SE 34-14S-14W, making 28
barrels of 16 gravity crude a day.
The well was perforated from
2,491-94 feet with 18 shots and from
2,497-2,523 with 156 shots.
This company has staked loca-

This company has staked location for a west offset, Southern Kraft No. 8 in SW SE SE of the

Six miles west of the Artesian Field, Alcan was drilling below 1,400 feet on the Freeman Smith No. 1 in NW SE NW 26-14S-15W. This wildcat is scheduled for 2,550

Magnolia, April 12.—One of the eight tests under way in Columbia County the past several days has been completed and two others are nearing final stages. The new producer is Shell Oil Company's Browning-Burns No. 3, NW SE 12-20-23, in Springhill Field, drilled to 3,100 feet in Tokio Formation. Gauge was not avilable today. This windeat is state in feet. State Issues 12 Oil Well Drill Permits

mation. Gauge was not avilable today.

One of the tests nearly completed has shown promise. This is Gulf Refining Company's Stonecipher-Foster Unit No. 1, NE NW SE 15-19-21, in Horsehead Field near Emerson. It was acidizing after perforations in Petit Lime around 5,866 feet.

The other is Stanolind Oil and Gas Company's Haynes D-L, NW SE 29-20-22, in North Shongaloo Field. It has been drilled to 5,900 feet in Petit.

In the same field, Hunt Oil Company is near 3,500 feet in the J. S. Haynes et al No. 1 which has a proposed depth of 6,000 feet. Location is SE NW 12-20-22.

Shell is near 7,800 feet in a wildcat, Browning-Burns Unit No. 1, NW SE 12-20-23, in Springhill Field. It's contract depth is 10,150 feet in the Sweek West State News Service

El Dorado, April 12.—The Oil and Gas Commission issued 12 permits to drill and authorized three plug and abandon jobs during the past week. Four of the new starts are slated for Union County. The list: Jackson Petroleum Corporation, drill Sallie Lou Wilson No. 1, 330 feet south and east of NWc NW 33-14S-14W, Calhoun, wildcat, 2,600 feet.

Marine Oil Company, drill Olin No. 1 C SW SE 29-17S-12W, Union, wildcat, 6,000 feet.

Pan-Am Southern Corporation, drill Ezzell No. 14, 430 feet north and 330 feet east of SWc NE NW 18-17S-14W, Union, East Field, 3,600 feet.

Alcan Oil Company, drill Free-Marine Oil C

It's contract depth is 10,150 feet in the Smackover Formation. It has shown promise at two or three levels.

In Magnelia Field G H Vaughn

Don Fitzwater is drilling under surface pipe in the J. B. Warmack et al No. 1, SW.NW 10-15-20, in Stephens Field. It is scheduled for 3,000 feet but may go deeper.

E. G. Bradham, drill A. T. Munday No. 2, 2,310 feet south and 1,050 feet west of NEc 25-17S-16W, Union, wildcat, 2,750 feet.

Lion Oil Company, drill Crossett Lumber Company No. A-3, 490 feet east and 525 feet south of NWc NE 11-18S-6W, Ashley, wildcat, 3,500 feet.

that the protest was not filed within the six-month limit after issuance of the price orders.

But the price agency agreed, according to an Association official, to consider the protest as a petition for decontrol instead of as a protest.

"OPS now wants us to come in April 23 and talk over the situation," the official said.

Petitions for exemption of oil and gas prices from controls have been placed before the House and Senate Banking Committees by the Association for consideration when the Committees act on legislation extending the DPA.

The areas are:

McAlester Fuel Company and Gulf Refining Company, Sam J.

McCollym No. Act, in NW. NE. 22-

Gulf Refining Company, Sam J. McCollum No. A-1 in NW NE 22-19S-21W, Horsehead Field, Colum-

California Company, P. D. Burton Jr., et al, No. 1 in NE NE 9-18S-23W, Lafayette.

McAlester Fuel Company permit to drill C. M. Wesson B-8 in ex-

Gazette State News Service
Batesville, April 12.—The test well
on the C. C. Morris farm two miles
south of Newark is drilling through
chert below 500 feet.

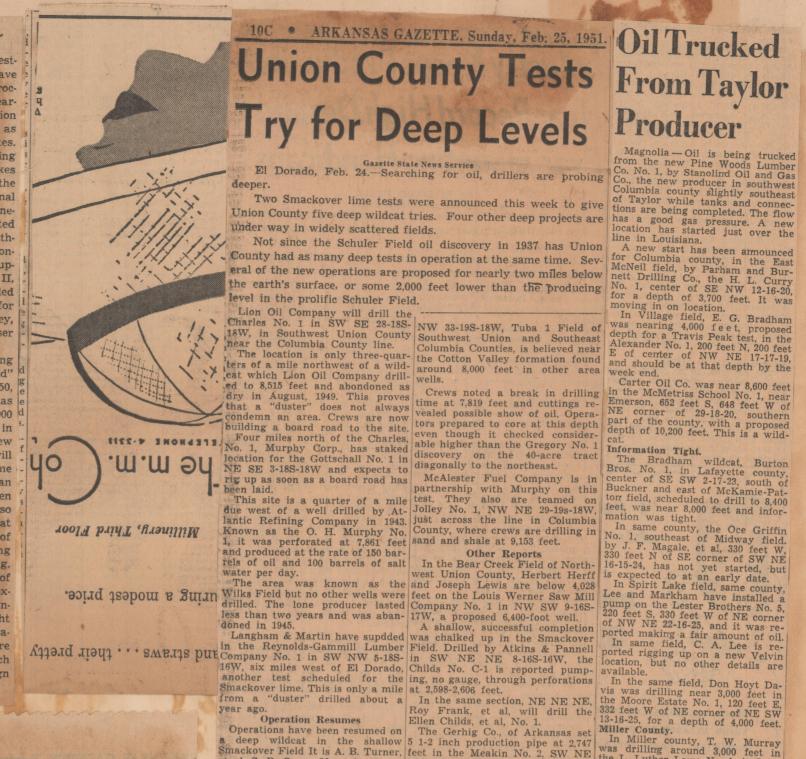
pools of the state for the purpose
of fixing daily allocations. The
present daily production figure is
slightly above 81,000 barrels of
crude daily.

More Manganese 303

The federal government and the Westmoreland Manganese Corporation have signed a contract for a \$4,500,000 processing plant near Batesville, thus clearing the way for a tremendous expansion in production of a resource that is as vital as it is rare in the United States. Manganese is important in steelmaking as a toughening agent — and it takes little imagination to conceive of the present importance of steel to national security. Yet there are only three mineable domestic supplies in the United States - the Batesville area, the southern tip of Utah and Southwestern Montana. With the important Russian supply cut off shortly after World War II, the nation's steel industry has depended in recent years on India and Africa for the bulk of its manganese, with Turkey, Mexico, Brazil, Cuba and Chile as lesser

While Batesville has been producing both "hard" (high-grade) and "wad" (low-grade) manganese ore since 1850, g the ore is scattered in pockets and has e never been fully exploited. About 50,000 d tons of unprocessed ore were mined in the Batesville area in 1950 and the new plant, according to its sponsors, will increase annual production by some 52,800 tons a year. This of course is an initial announcement. There have been some reports that it may eventually so broaden the market opportunity that manganese production will rival that of bauxite - an expansion of something like 40 times the present rate of mining.

Time and the demands of defense, of course, will determine how far this expansion program will go. But the signing of this contract presages a bright future for the Batesville area's manganese potential—and a brighter future for an all-important steel industry which now must depend largely on foreign



Try for Deep Levels Producer

Not since the Schuler Field oil discovery in 1937 has Union County had as many deep tests in operation at the same time. Several of the new operations are proposed for nearly two miles below the earth's surface, or some 2,000 feet lower than the producing level in the prolific Schuler Field.

year ago.

Operation Resumes
Operations have been resumed on a deep wildcat in the shallow 5 1-2 inch production pipe at 2,747 Smackover Field It is A. B. Turner, feet in the Meakin No. 2, SW NE et al, S. R. Saxon No. 1 in W 1-2 Lot 2, 4-16S-16W, slated for 6,300 and is waiting on cement to set before completion.

Delafield & Scroggins are clearling location for the Henshaw No. 2 in NE SE 17-16S-15W, Smackover of NE Sw 24-15-26, due for a depth of Garland City.

In Fouke field, Carter Oil Co. is near completion steps in W. T. Weeks No. 2, 550 feet S. 330 feet E. Caddo Oil Company completed

Carling Kinard is

Showing Checked

Murphy has three other operations in the El Dorado district.
Their Miles No. 1 in SE NW 32-18S-15W, Catesville Field five miles south of El Dorado, is below 7,200 feet. It is the lone project in the field where Murphy has eight producers.

wildcat in SW SW 5V 5-18S-13W, is reported flowing salt water and some oil. Operators will continue to test. Perforations are around 2,600 feet.

The lone operation in the West Nick Springs Field, E. G. Bradham's field where Murphy has eight producers.

The lone operation in the West Nick Springs Field, E. G. Bradham's field where Murphy has eight producers.

J. E. Dunbar No. 1 in NW NE NE 1-18S-15W, has been shut down be-deed to the field with the field of the field with the field with the field with the field of the field with th

last year and temporarily shut down for title work.

In East Union County, two miles north of Strong, Curtis Kinard is drilling below 3,300 feet on the Clark No. 1 in NW SE 21-18S-12W, a proposed 6,400-foot test.

Nearby, in the North New London Field, Murphy Corp., is rigging up the Burgess No. 1 in N serior of the Marine Oil Company's Trigg No. 1 discovery.

In Fouke field, Carter Oil Co. is near completion steps in W. T. Weeks No. 2, 550 feet S. 330 feet E. Of NW corner of NE SW 32-16-26, proposed depth of which is 4,300 feet. Cores were taken between 3,706-3,711 feet and showed gas odor, oil-stained sand, and salt waster taste.

In Fouke field, Carter Oil Co. is near completion steps in W. T. Weeks No. 2, 550 feet S. 330 feet E. Oroposed depth of which is 4,300 feet. Cores were taken between a staked location for the J. A. Simmons No. 4 in SW NE NE 13-18S-13W, reported making five barrels of oil per day. This company has staked location for the J. A. Simmons No. 3 in NW NE NE of the same section.

Roberts Petroleum's Hill No. 1.

Roberts Petroleum's Hill No. 1.

Roberts Petroleum's Hill No. 1, wildcat in SW SW SW 5-18S-13W,

O. E. Sellers, president of Westmore-land.

The beneficiating plant will be constructed at a location seven miles northeast of Cushman and on Polk bayou near the old Montgomery Chapel, 17 miles from Batesville.

The advisory committee includes A. B. Crichton jr., chairman and president of Johnstown Coal and Coke Co., Johnstown, Pa.; Scott Nichols, vice president of C. H. Sprague & Co., New York; Bruno Ferarri, president of Latrobe Construction Co., Pittsburgh, Pa.; Herman Miller and Harry Holloway of Westmoreland; Franklin C. Senior and Dave Knall, designing engineers, Birmingham, Ala.

10C • ARKANSAS GAZETTE, Sunday, Feb. 25, 1951. Oil Trucked Union County Tests From Taylor

El Dorado, Feb. 24.—Searching for oil, drillers are probing deeper.

Two Smackover lime tests were announced this week to give Union County five deep wildcat tries. Four other deep projects are line in Louisiana.

location has started just over the line in Louisiana.

A new start has been armounced for Columbia county, in the East McNeil field, by Parham and Burnett Drilling Co., the H. L. Curry No. 1, center of SE NW 12-16-20, for a depth of 3,700 feet. It was moving in on location

Hempstead Has Wildcat.

Hempstead county has a wildcat location, Arkoma Oil Co.'s and Burrett Drilling Co.'s W. B. Ruggels No. 1, 330 feet S & W of NE corner of 18-13-23.

Burnett Drilling Co. was drilling near 2400 feet in a wildcat in Batesville—The technical advisory committee of Westmoreland Manganese Corp., Batesville, has given final approval for the complete lay-

out and design, as well as final plans for the construction of plant facilities of the firm's \$4½ million manganese beneficiating plant. The committee also selected and approved all mining and milling equipment for the plant and mines.

This information was released by O. E. Sellers, president of Westmoreland.

rado. Lawton Oil Corporation staked location for the J. M. Bishop No. A-1 in SE NW SW 13-18S-17W and will drill to the Smackover lime formation around 7,600 feet. The new try is only a few feet from the J. M. Bishop No. 2, drilled by Atlantic Refining Company last year and completed in the Pettit Lime formation around 3,900 The No. 2 came in last May, making 140 barrels of oil per day, but records in the office of the Arkansas Oil and Gas Commission shows far this year it has produced an average of 100 barrels daily.

Carter Oil Company has derrick up and is waiting on drilling rig for the B. M. Carroll C-457 No. 1, in NW NW NW 18-18S-16W, a northeast outpost in the East Schuler Field. It is scheduled for the Smackover lime at 7,700 feet.

The Union County section of the Smackover Field yielded a good pumper when Magnolia Petroleum Company completed the Monroe Smith No. 4, in SW SW NW 16-16S-15W, making 30 barrels of oil and about 40 barrels of salt water daily. Production was from the Blossom sand through open hole from 2,616-18 feet.

Cobb Oil Company has staked location for the Howard No. 1, SE SW SW 12-16S-16W, Smackover, for a scheduled 3,150-foot try. Although there are two other locations in this field, work has not yet started.

The Urbana Field of East Central Union has four projects, all nearing completion. Curtis Kinard is intelligence.

tions in this field, work has not yet started.

The Urbana Field of East Central Union has four projects, all nearing completion. Curtis Kinard is installing pumping unit on the McGough No. 1 in NW SW SE 34-17S-13W, after perforating at 3,168-78 feet. Creslenn Oil Company is testing the J. C. Parker No. 9, NW SE 3-18S-13W, and the Hadley No. A-5, in SE NE SW of the same section, both around 3,330 feet. Marine Oil Company is waiting on cement after setting production pipe at 3,336 feet in the Thompson No. A-18, NE SW SE of section 3.

In the Sandy Bend Field, Parker H. Wineman was waiting on pumping unit for the William P. Wine-

H. Wineman was waiting on pumping unit for the William P. Wineman No. A-1, SE SW NW 7-18S-12W. The well was drilled to 2,335

and six-inch production pipe set at 2,260 feet.

Roberts Petroleum Company is continuing to test the Mollie No. 2, NW SE NE 31-17S-13W, Lawson Field, after squeezing perforations at 2,866-69 feet.

Gazette State News Service Crossett, April 5. — Two wells were completed last week on Crosset Lumber Company lands with one producer and one dry hole.

The J. F. Albright No. 2 was brought in last week as a gasser.

In the East Field, Pan-Am Southern Corporation Ezzell No. 13 in SW SE NW 18-17S-14W flowed at the rate of 210 barrels of oil per day from the Estes formation at 3,032-42 feet. The flow was through a 17-64ths-inch choke and tubing Fifth Project In pressure registered 100 pounds. However, production is expected to However, production is expected to decrease perhaps 50 per cent within a short time. Few of the wells in this field have maintained initial Calhoun County Pan-Am has staked location for the Ezzell No. 14 in SW SE NW

8B • ARKANSAS GAZETTE, Sunday, April 6, 1952.

Union County Fields

Yield Two Producers

El Dorado, April 5.—Settled fields in Union County yielded two producers this week as several wells neared the initial testing

return from the Ezzell No. 14 in SW SE NW of the same section and work is expected to start immediately.

A twin well will be drilled on a 10-acre tract in the East Schuler Field, 10 miles southwest of El Dorado. Lawton Oil Corporation staked location for the J. M. Bishop No. A-1 in SE NW SW 13-18S-17W

Gazette State News Service
El Dorado, April 5.—Alcan Oil Company announced its fifth current project in Calhoun County this week when location was staked for the Freeman-Smith No. 1 wildcat in NE SE NW 26-14S-15W.

The new try is seven miles west of the new Artesian pool in Cal-

On Crossett Land

brought in last week as a gasser.
This is the second gas well in the
Beekman area. The well has been
perforated and the Justiss-Mears
Oil Company of Jena, La., drillers
of the well, are awaiting gauging
to be set by the Louisiana Department of Conservation. The well will be capped to await further developments in the field. A new well is expected to start drilling

Crossett Lumber Company No. A-2, located southeast of Hamburg was declared a dry hole and filled in by Lion Oil Company. The wildcat duster was in the NE SW 27-18S-6W. The well was abandoned at a depth of 3,513 feet.

26A. Food and Drink
27. Fountain Pen Repairs
28. Four Cleaning, Sichage, Repairs
39. Cathdug, Sharpening
39. Cathdug, Sharpening
31. Healistic Plumbing, Hooding
32. Insulation Applicators
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36. Moving, Trucking, Casting
37. Painting, Papering, Decorating
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40. Frofessional Services
41. Radio Services, Repairing 4. Lodge Wottees

4. Lodge Wottees

5. Personals

6. Lost and Found

7. Travel, Christee

8. Addressing, Letter Service

9. Airplane Service, Repairing

10. Airplane Service, Repairing

11. Announcements

12. Auto Painting, Hours

13. Auto Painting, Hours

14. Batietry, Brake Service

15. Auto Service, Repairing

16. Building and Modernizing

17. Building and Modernizing

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19. Cleaning, Deving, Flues Cleaned

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20. Clock, Watch Repairs

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inches or L.78 above normal.

The Little Rock forecast (issued at 8:45 p. m. yesterday) for today

at 8:45 p. m. yesterday) for today

is: Partly cloudy and cooler with control and showers

For Arkansas, the forecast today

For Arkansas, the forecast today

For Arkansas, the forecast today

is: Partly cloudy and cooler with showers in the northeast portion.

Temperatures and precipitation reports

Temperatures and precipitation reports and re

rainfall since January I is 17.28 Annapolis inches or 1.78 above normal. The maximum temperature in Muskogee Muskok for the 24-hour period was been degrees, the minimum was 51 degrees, the minimum was 52. Precipitation in the last Mass 33. Precipitation in the last Little Rock as hours was 1.96 inches. Total reinfall since January 1 is 17.28 Station. Stage. Pt. Chnge, inch.

More Manganese 303

The federal government and the Westmoreland Manganese Corporation have signed a contract for a \$4,500,000 processing plant near Batesville, thus clearing the way for a tremendous expansion in production of a resource that is as vital as it is rare in the United States. Manganese is important in steelmaking as a toughening agent - and it takes little imagination to conceive of the present importance of steel to national security. Yet there are only three mineable domestic supplies in the United States - the Batesville area, the southern tip of Utah and Southwestern Montana. With the important Russian supply cut off shortly after World War II, the nation's steel industry has depended in recent years on India and Africa for the bulk of its manganese, with Turkey, Mexico, Brazil, Cuba and Chile as lesser

The statewills area, The neutral part of the state of both "hard" (high-grade) and "wad" (low-grade) manganese ore since 1850, the ore is scattered in pockets and has e never been fully exploited. About 50,000 tons of unprocessed ore were mined in the Batesville area in 1950 and the new plant, according to its sponsors, will increase annual production by some 52,800 tons a year. This of course is an initial announcement. There have been some reports that it may eventually so broaden the market opportunity that manganese production will rival that of bauxite - an expansion of something like 40 times the present rate of mining.

Time and the demands of defense, of course, will determine how far this expansion program will go. But the signing of this contract presages a bright future for the Batesville area's manganese potential—and a brighter future for an all-important steel industry which now must depend largely on foreign

-ovil rointly A. ilongala and the Early S. Armior Lives Saturation of the Early S. State S. S Magnolia, April 5.-A Junior Live-Gazette State News Service

way be made based on production costs.

Consumption of manganese ore, essential to steel manganese ore.

Consumption of manganese ore.

essential to steel production, totaled about 1,7000,000 long tons in
taled about 1,7000,000 long tons in
the United States during 1951.

Westmoreland was formed in October, 1950, and has since bought
the holdings of the Dennison Es-

utiw pareduoo se 000'00g'fs papeu Mining and Manganese Company and other manganese deposits in -insequence deposits in and other manganese deposits in the area.

-nureld enemy seithed to sense one of the area.

The Batesville-Cushman area has a record of manganese mining data 030,885 brainsted an estimated 548,000 crates of berries, or about half the Last season the White County

Early Start Set

eral government and the West-moreland Manganese Corporation entered into a contract today, clearing the way for construction of a \$4,500,000 manganese bene-ficiating plant near Batesville that would increase annual production of the important metal by 52,800

it contains, DMPA said. A unit is t 22.4 pounds.

Apolts mouls of H-4, AFF - During the next six months, the price drops to \$1.37 and \$1.42, respectively, DMPA said, and therest after periodic price adjustments

-91389 is its at being the control of the control o

sing back to 1848, when the ore was carted out by oxen to the White River for loading on freight barges.

10C • ARKANSAS GAZETTE, Sunday, Feb; 25, 1951. Oil Trucked On Alloy-Plant Gazette April 8, 1952 Near Batesville Try for Deep Levels Magnolia – Oil is being trucker

Fig. 1. Two Smackover lime tests were announced this week to give Union County five deep wildcat tries. Four other deep projects are under way in widely scattered fields.

Magnolia — Oil is being trucked from the new Pine Woods Lumber Co. No. 1, by Stanolim Oil and Gas Co., the new producer in southwest Columbia county slightly southeast of Taylor while tanks and connections are being completed. The flow has a good gas pressure. A new location has started just over the line in Louisiana.

A new start has been armounced



The beneficiating plant will be

The beneficiating plant will be constructed at a location seven miles northeast of Cushman and on Polk bayou near the old Montgomery Chapel, 17 miles from Batesville. The advisory committee includes A. B. Crichton jr., chairman and president of Johnstown Coal and Coke Co., Johnstown, Pa.; Scott Nichols, vice president of C. H. Sprague & Co., New York; Bruno Ferarri, president of Latrobe Construction Co., Pittsburgh, Pa.; Herman Miller and Harry Holloway of Westmoreland; Franklin C. Senior and Dave Knall, designing engineers, Birmingham, Ala.



Tabloration Is Planned Expenditure of \$100,000 is planned to explore manganese ore reserves in Polk county, State Geologist Norman F. Williams disclosed here today. He was informed by R. B. McElwaine, Interest today. He was informed by R. B. McElwaine, Interest today. He was informed by R. B. McElwaine, Interest today. He was informed by R. B. McElwaine, Interest today. Mining operations are under way after being delayed for many months by lease problems. Known as Norris Number 1, the well is being drilled in the Burt Lovell Block at a site allurgical test work, and property and equipment acquisition. Officials said a mill capable of handling 2,000 tons of crude ore constructed until adequate ore reserves have been proven. Geologist Williams said that intermittent a ctivity, particularly durnig wartime, has gone on in manganese areas of the state but without much success to date. Mining operations are under way after being delayed for many months by lease problems. Known as Norris Number 1, the well is being drilled in the Burt Lovell Block at a site two fiction, method and property and equipment acquisition. Officials said a mill capable of handling 2,000 tons of crude ore constructed until adequate ore reserves have been proven. Geologist Williams said that intermittent a ctivity, particularly durnig wartime, has gone on in manganese areas of the state but without much success to date. Mining operations for manganese have been announced for the Batesville area. State also very lease problems. Known as Norris Number 1, the well is being delayed for many months by lease problems. Known as Norris Number 1, the well is being delayed for many months by lease problems. Known as Norris Number 1, the well is being delayed for many months by lease problems. Known as Norris Number 1, the well is being delayed for many months by lease problems. Known as Norris Number 1, the well slock of the Burt Lovell Block at a site allurgical test work, and property and equipment acquisition. The depth of the well was

washington, and the Inland Mining Wall St.

Corp., Dallas, Tex.

Inland has properties in Polk county, with a field office in Mena.

McElwaine will direct the exploration work for manganese, an essential item in steel making.

The contract between the governmental agency and Inland provides that the government will advance

Watching

Wallston

Wallst

Translation with the same field speed in the same field speed and the sp depth of 11,000 feet. In Miller Land & Lumber Co. B-1, center sw se 17-18-27, Stanolind Harvey's Oscar Kochtitzky No. 1, 559 feet w, 600 feet s, of ne corner of 9-18-27, with contract depth of 6,500 feet, was drilling near 4,100 feet. G. W. Skelly's wildcat, Dickson Heirs No. 1, 1,295 feet s of nw corner of 36-19-27, was reported drilling around 10,400 feet.

Houston Firm Drilling Test Well at Newark Batesville-Newark oil test drill-

Eight Permits

Tulsa, April 26 (£).—Deep Rock
Oil Company is convinced a recent
strike in Western Creek County's
40-year-old Cushing Field is the
best Arbuckle lime showing for
Oklahoma in years.

Deep Rock's No. 1 Wacobe—SW
NE SE of 29-18N-7E—is less than
a mile from downtown Drumright.
Crude saturation was found 13 feet
in the Arbuckle from 2,940-53 feet.
A 25-barrel-an-hour producer was
forecast.
A survey by the Tulsa World
this week found 55 oilers with an
initial average daily production of

this week found 55 oilers with an initial average daily production of 5,674 barrels; two gassers and an initial gas flow of 2,206,000 cubic feet daily; 46 dry holes; three shouldness rites plus 205,222 feet abandoned sites, plus 395,333 feet

Completions totaled 106 altogeth-First reports were 112, seven less than a week ago.

Kansas Allowable Cut To 300,000 Barrels

Wichita, Kan., April 2 (A)6.— Kansas's crude oil production allowable, steady at 310,000 barrels daily for a year, has been cut to 300,000

barrels daily for May.

Actual runs of crude in Kansas generally have exceeded the allowable in recent months.

Calhoun County Adds 2 Pumpers

Gazette State News Service
El Dorado, April 26.—Calhoun
County added two small pumpers
in the Artesian Field this week and
chalked up a wildcat try as a dus-

The successful completions were Alcan Oil Company's Freeman Smith No. 3 in SE SW NE 17-15S-13W, and the No. 4 in SE NE SE of the same section. The No. 3 was perforated in three sections from 2,511-16, 8,532-36 and 2,539-64, and pumped 18 barrels of heavy crude per day. It is a direct offset to a producer.

Coll a day from the Primm

Oil News Bazette 4-27 2 Pumpers Union County Well Marks Completed Successful Completion, Several in Final Stage

In Union

El Dorado—Two pumpers were completed during the week in Union county and 11 rigs are left run-of the nation's oil refineries should

ion county and 11 rigs are left running.

Herff and Lewis completed the Werrer Co. No. 1, section 9-16-12, at a depth of 6,416 feet. The well is pumping 40 barrels of oil and 12 barrels of salt water per day. Also completed is the Marine Oil Co.'s Kidd No. 1, section 6-18-12, which is pumping six barrels of oil per day at a depth of 2,390 feet. J. S. Beebe completed the J. H. Alphin No. 16 as dry and abandoned at 2,690 feet. Curtis Kinard is waiting on stand-

Oil Barrel Output May Be 7 Million

Three shallow wells in the Willisville field are complete and waiting on electric connections to power pumps already installed. These are Iglehart's J. C. Malone Nos. 1 and 2, in 20-14-21, and the other is the company's E. L. Holloway No. 1, in 17-14-21. Another test is making ready to start in the field, the May-Warmack Unit No. 1, 300 feet E. 150 feet N, of SW corner of SW of 9-14-22. In Miller county, Forks of the starts of the Senate by the committee will be the interim measure.

Senator Long (D., La.) however, may make a determined attempt to get action on a state ownership bill this session.

The original bill introduced by O'Mahoney would give the secretary of the interior unlimited leasing authority in off-shore areas not now under lease.

O'Mahoney now would amend the starts will be wildcats Five of the starts will be wildcats and abandon jobs this past week Five of the starts will be wildcats and abandon jobs this past week Five of the starts will be wildcats and abandon jobs this past week Five of the starts will be wildcats and abandon jobs this past week Five of the starts will be wildcats.

Company's E. L. Holloway No. 1, the original bill introduced by O'Mahoney would give the secretary of the interior unlimited leasing authority in off-shore areas not now under lease.

O'Mahoney now would amend the committee will be the interim measure.

Senator Long (D., La.) however, and abandon jobs this past week Five of the starts will be wildcats.

Fan-Am Southern Corporation, drill Ezzell No. 15, C NE SE NW Walker Estate No. 1, C NE NE SW 9-14S-18W, Ouachita, wildcat, 2,100 feet.

El Dorado Pine O'Mahoney No. 1, and the other in the field are complete and abandon jobs this past week five of the starts will be wildcats.

Fundamental complete and abandon jobs this past week five of the starts will be wildcats.

Fan Am Southern Corporation, drill Ezzell No. 15, C NE SE NW Walker Estate No. 1, C NE NE SE NW Walker Estate No. 2, C NE SE NW Walker Estate No. 2, C NE SE NW Walker Estate No. 2, C NE SE NW Walker

4,000 feet.

Berry Asphalt Company, drill
Grove Land and Timber Company
No. 4, 275 feet north and west of
SEc SW NW 10-14S-20W, Nevada,
Troy, 1,200 feet.

Frank C. Thomas, drill M. E.
Peace No. 1, 100 feet NE of center
NW SW SW 20-12S-27W, Hempstead, wildcat, 125 feet.
Frank C. Thomas, drill M. E.
Peace No. 2, C SW NW SW 20-12S27W, Hempstead, wildcat, 125 feet.
Alcan Oil Company, drill Free-

27W, Hempstead, wildcat, 125 feet.
Alcan Oil Company, drill Freeman-Smith No. 6, 830 feet north
and 340 feet east of SWe SW NE
17-15S13W, Calhoun, Artesian,
Meakin sand.
G. H. Vaughn, plug Joel Jones
No. A-2, 21-17S-20W, Columbia.
W. J. Budd et al, plug A. F.
Daniel No. 1, 28-14S-17W, Ouachita.
Munoco Company, plug O'Keefe
No. 1, 5-14S-21W, Nevada.
Berry Asphalt Company, plug
Grove Land and Timber Company
No. 14, 10-14S-20W, Nevada.
Marine Oil Company, plug Olin

Marine Oil Company, plug Olin No. 1, 29-17S-12W, Union.

Lion Oil Company, plug Crossett Lumber Company No. A-3, 11-18S-



ROCKS INTO RINGS—Eye-catching rings made of native Arkansas stones are displayed above by Mrs. Virgil Dowdy, Mountain Home, who with her husband came down from Chicago recently to start making stones into rings and costume jewelry. Tourists can choose from stones selected by the Dowdys, or can bring in their favorite stones for cut-

Arkansas Rocks Basis Of New Ozark Industry

new tourist "industry"—they're becoming costume jewelry.

It took a couple of enterprising Chicagoans who have made the Ozarks home to put Arkansas rocks into rings and jewelry and offer them to the tourist trade.

And, after only a month of operation, the business already is brisk.

Founders of this brand-new business are Mr. and Mrs. Virgil Dowdy, whose jewelry shop is in Mountain the growing tourist trade.

eye out with their sharp beauty.

One feature of the business is that tourists, or native Arkansans, too, can bring in rocks they've picked up and have them cut, polished and mounted in rings or necklaces or earrings, according to their own dearings, according to their own deare

Two Producers Reported In El Dorado East Field

El Dorado, May 10.—The El Dorado East Field yielded two producers this week and drillstem tests in two other settled fields gave indication of possible production.

Contract depth. This is in the producers this week and drillstem tests in two other settled fields gave indication of possible production.

wrecked the Ohio organization,

crats not to support him (Steven-

gave indication of possible production.

Pan-Am Southern Corporation's Ezzell No. 14, SW NE NW 18-17S-14W, pumped at the rate of 101 barrels of oil per day through perforations at 3,012-22 feet, This is a north edge well. Pan-Am immediately staked a new location and is drilling below 2,256 feet on the Ezzell No. 15, NE SE NW of the same section, a southeast diagonal offset to the new producer. In the adjoining section, C. J. Saulsbury & Sons have completed hopitusation by a satisfication of 30 ay 'səpepipure yanou 191-140 (1914) and 1914 (1914) and 191

de will score a victory. chance to show his strength in tering in primaries that otherwise West Virginia's primary Tuesday, would be meaningless.

The Tennessee senator all but would be meaningless. is expected to hold the lead, as leaders in many states. These he does now, in Republican presileaders take the view he is intruddential delegates. Taft gets his ing on hieir private domain by ening objects are successfully as the end of the week's say Kefauver is making enemies and politicians are politicians and politicians and politicians are politicians and politicians and politicians are politicans are political are political are politicians are politician

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Gazette State News Service
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(Democrat Staff Writer.)
Rocks and stones from Arkansas' hills and mountains are going into a new tourist "industry"—they're becoming costume jewelry.

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ARKANSAS DEMOCRAT

LITTLE ROCK, MARCH 23, 1952

Arkansas' Novaculite Remains in High Demand

Arkansas Whetstone Quarries, Producing the Highest Grade Sharpening Surfaces, Remain in **Production Against Cheaper Competition**

By ANNE REHM BELYEU

66 THERE IS A WORLD of wonders to be explored right under the ground we walk on," remarked J. A. Thomas, self-made mineralogist and quarryman of Hot Springs, as he guided me over the rough terrain of his 133-acre mountain homestead granted his grandfather in 1893 by President Grover Cleveland.

Our destination was the Novaculite or Whetstone Quarries that three generations of the Thomas family have been working over a period of 60 years. After climbing over precipitous ledges of rock to the crest of the ridge we came to a quarry that formed a cave carved out of solid translucent graywhite stone. The walls appear to be great slabs of ice.

Mr. Thomas explained that here lies a vein of the finest abrasive in the world; that the invention of the synthetic abrasive called carborundum has curtailed the demand for the natural stone, but the whetstone quarrymen around Hot Springs sell all they are able to quarry and always have orders on hand waiting to be filled.

"But for a whim of old Mother Nature this stone would be pure opal," said Mr. Thomas, showing me a specimen of the rock. "Doesn't it look just like a chip right off the moon?"

The stone was the color of moonlight. He explained that the vein of Novaculite ran all the way down the length of the mountain and was four to 60 feet under the surface of the earth. A protective foot wall and back wall of flint or other conglomerate rock from six to 12 feet thick enclosed the mineral vein and great care had to be exercised in removing the protective walls of rock so as not to fracture the sensitive whetstone. One wrong stroke with a sledge hammer could ruin a slab to the depth of 10 feet. Air compressor drills are used to carve out the stone.

The whetstone and grinding rock are familiar equipment on the farm and in the home for sharpening scissors, knives, axes and other tools, but few probably realize just how widely they are used in

* * *

The Novaculite or Superior Whetstone mineral, also known as Oilstone, is another "wonder" of the wonder state of Arkansas. This highest grade is found In no other state in the Union, and there are no substitutes for certain uses of this type of Novaculite. * * *

Rock quarrying is the oldest skill in the world. The imprints of man on the ageless rocks is our history of the ancients. The Novaculite quarries around Hot Springs are as old as the town itself. The Norton Pike Co. of New Hampshire, oldest in the United States manufacturing sharpening stones for hand use in putting edges on knives and tools, have worked quarries in Garland county for almost a century. They abandoned their important quarries about 25 years ago with the discovery of carborundum which could be produced cheaper than digging the natural stones out of the earth and shipping them across the country for processing. However, they still operate on a smaller scale and buy the Arkansas whetstone from the local quarrymen as there will always be a special demand for this superior natural abrasive.

The quarries of the Norton company were dug to a depth of 200 feet or more and some of them a half mile long without any sign of the supply playing out. They are now abandoned and pine saplings have sprung up in the quarry beds and their green tops try to hide the great gash in the earth made by man.

Knolls where once stood boarding houses and stables to house and feed the many stonecutters, horses, mules and oxen are now grown over with scrub maber. Stonecutters in earlier days received a as it comes from the ground. The cost at a surgical

wage of \$1.25 from sunup till sundown and boarded for 30 cents a day. The ring of chisel on stone and rumble of heavily loaded wagons pulled by oxen or six-span of mules from Hot Springs to Little Rock, the nearest railroad, was a familiar sound to the early settlers of Hot Springs even before the establishment of the government reservation. The first wagons for hauling the stone had wooden axles greased with homemade soap. It is claimed that the first freight shipment on the Old Diamond Joe Railroad was whetstone from Hot Springs.

The Arkansas Novaculite Whetstone, also known as Arkansas Oilstone, is not only familiar with precision tool manufacturers, cutlery and industrial blade makers, but is exported to many parts of the world, especially into tropical countries where the sharp blade of the axe, the knife and machete are a must in keeping the growth of vegetation in check. The Latin American machetes and the East Indies' rubber gathering tools are kept in condition by the whetstones from Arkansas, as are knives used in the sugar cane fields of the West Indies. The fine precision tools used in surgery, watchmaking and by other jewelers are ground with this fine abrasive. An interesting example of its use can be seen at the U.S. Time Corp. factory in Little Rock.

J. A. Thomas exports all of his output of Novaculte to a manufacturing concern in Germany. His father and grandfather also quarried the stone and sold it to this same company exclusively for 60 years. When the Hitler regime came into power the business was terminated, but last year business relations were continued when the German industrialist, W. O. Bracher, managed to get his family and business out of the Russian zone at Sonneber in East Germany to Friedberg in the western zone. Bracher employs 25 people and says he uses only Arkansas whetstone in his business of cutting and shaping the stones for industrial purposes.

Before the last war the company imported the stone from Arkansas, processed it and then exported it back to the United States, but now the demand for the product by German industry is taking all Bracher can produce.

The quarrymen in Garland county are paid 25 cents a pound for the natural unfinished stone just



Mr. Thomas holds one of the whetstone rocks lifted from his quarry

supply house for a small sliver about three-quarters inch square for sharpening hypodermic needles is close to \$1. A hone at a hardware store for sharpening knives costs about \$9 and weighs less than a

The German company claims they can use \$1,-000 worth a month. The firm pays 25 cents a pound from the quarry, pays the freight to the port of New Orleans, pays ocean freight and duty on shipments to Germany.

It is the dream of Mr. Thomas and the other quarrymen to have a processing plant close to the quarries where the stones could be finished and sold to the market by them. The machinery for cutting and shaping would cost around \$12,000 according to Mr. Thomas.

These small quarrymen have not been able to make their dream a reality, but a processing plant for the stone located near the quarries should be a profitable industry for Arkansas.

The fact remains that one of the valuable natural resources of the state has made many dollars for many years for people who have never set foot in the state, never furnished labor for our people or spent any of the money they made here except the investment in the quarried rock.

But time and technology change everything. Possibly the dream over in Garland county will

y in the past few fficult thing for the

the condition of in-above ground.

Oil Companies Finance work they are doing balance wheel that roleum industry in condition," he said. OII Companies Finance Texas Geology Study Austin, Tex., May 10.—Five I

the cutting of their in excess of 150,000 or oil companies will support a \$52,000 research project at the Uni-Austin, Tex., May 10.—Five maj-

do, yet through their will not be an exorpic crude or products sing physical waste,"

The University's Bureau of Economic Geology will make a destailed study of the subsurface Elenburger formation, a prolific oil the commission work and associated rocks in Texas. comed visitors from Atlantic Refining Company, Gulf Oil Corporation, Humble Oil and Refining Company, Shell Oil Com-

e of the commission ney might encounter; of the new oil field.



ROCKS INTO RINGS—Eye-catching rings made of native Arkansas stones are displayed above by Mrs. Virgil Dowdy, Mountain Home, who with her husband came down from Chicago recently to start making stones into rings and costume jewelry. Tourists can choose from stones selected by the Dowdys, or can bring in their favorite stones for cutting, polishing and mounting.

Arkansas Rocks Basis Of New Ozark Industry

Two Producers Reported In El Dorado East Field

El Dorado, May 10.—The El Dorado East Field yielded two producers this week and drillstem tests in two other settled fields Fouke-Northeast Field.

The End Donate Line Contract depth. This producers this week and drillstem tests in two other settled fields Fouke-Northeast Field.

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Pan-Am Southern Corporation's |

Pan-Am Southern Corporation's Ezzell No. 14, SW NE NW 18-17S-14W, pumped at the rate of 101 barrels of oil per day through perforations at 3,012-22 feet. This is a north edge well. Pan-Am immediately staked a new location and is drilling below 2,256 feet on the Ezzell No. 15, NE SE NW of the same section, a southeast diagonal offset to the new producer. In the adjoining section, C. J. Saulsbury & Sons have completed holy and solve a

The Creek of the week during which the state's nethoral committeeman, and stored to hold the week so the corpus and strength in the state of the week so the corpus and strength in the state of the week so the solution of the week so the solution of the week solutions are that the processes and strength in the state of the week solutions are that the process of the process of the solutions are the process of the pro

the new jewelry will be displayed soon in the capitol.

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The first failure in the new Artesian Field was recorded when Alcan Oil Company's Freeman Smith No. 5 in NE NW SE 17-15Stain Home. Mrs. Dowdy was in Lit-2,605 feet. It was a direct offset to Rocks and stones from Arkansas' hills and mountains are going into a new tourist "industry"—they're becoming costume jewelry.

The Rock last week with a display of their wares, and they'll knock your eye out with their sharp beauty.

One feature of the business is the total strain of the results. But it is a powdy was in Litter 2,605 feet. It was a direct offset to two producers and a diagonal offset to a third. Alcan is moving in materials for the Freeman Smith new tourist "industry"—they're becoming costume jewelry.

It took a couple of enterprising Chicagoans who have made the Ozarks home to put Arkansas rocks into rings and jewelry and offer them to the tourist trade.

And, after only a month of operation, the business already is brisk.

Founders of this brand-new business are Mr. and Mrs. Virgil Dowdy, whose jewelry shop is in Mountains are going into a new tourist sharp beauty.

One feature of the business is that tourists, or native Arkansans, too, can bring in rocks they've picked up and have them cut, polished and mounted in rings or necklaces or earrings, according to their own desires.

The new business fits right into the State Publicity Division propagam of seeking new souvenirs for the Freeman Smith No. 6 in NW SW NE of the same tourists, or native Arkansans, too, can bring in rocks they've picked up and have them cut, polished and mounted in rings or necklaces or earrings, according to their own desires.

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Harvey had neared final depth on the Oscar Kochtitzky No. 1, SW

depth of 2,500 feet. Other details

were not available. The other Lafayette test is Newton Oil Company's A. W. Friend No. 1, SE SW SW 13-16-23, a shal-low test listed as a wildcat. There has been no late report on the

VERVESE DEMOCRAT MAGAZINE

All contributions will be carefully considered but no material can be acknowledged or returned unless accompanied by a slamped, self-addressed envelope

Submissions are invited from all Arkansas uriters whether they are members of the Koundtable or not. They should be addressed to Mrs. Kathryn S. Stone, president, Poets' Round-fable, 5021 Stonewall Road, Little Rock.

-Ned Cheever, "So he thinks I'm fooled, again!" But Mom smiles, as she listens, So convinced, you're happy then . . .

It's a perfect job you're doing;

I was hoping you'd not worry; Sorry I frightened you today." Those bad spells soon pass away. Seems you get upset too quickly; You are telling her, "My dear, Yet you disavow all fear So you'll still be Mom's own hero-For you're really not dishonest, But a little sheepish, too, You are feeling oh, much better, Start to creeping, climbing through. Soon the early evening shadows

Do you fear you'll ever take. And not one of those diseases Also gone's most of the ache, Now the doctor's through and leaving;

Coming out at double quick.) (For you know she'll have the doctor Telling her you're deathly sick Then you call the little woman, For recovery are slim; Soon you realize your chances And your head begins to swim, When the old heart's throbbing, jumping, In the mirror when you look; And you note a sickly pallor When you recognize each symptom That is given in the book,

LORD OF THE MANOR

Poem of the Week

Wednesday, April 9, 1952 Another Step in Our Mineral Development.

The manganese beneficiating plant, which is to be built near Batesville, will double the national production of the metal that The manganese beneficiating plant, which is to be built near puts starch into steel.

For the first time our manganese ores will be processed at home, although the distinguished geologist, David Dale Owen, while conducting the first state geological survey, discovered in El Dorado-The Oil & Gas Com-

Of the nine states that have manganese beds of any consequence, Arkansas in 1949 ranked second with shipments of 8,406 short tons from the mines. Montana exceeded with shipments of

Tennessee, which has the nearest beneficiation plant to us, produced the piddling amount of 175 short tons at the mines. Apparently, TVA power, not mineral deposits, accounts for the location of the plant at Knoxville.

To keep steel mills going, the United States has to import large tonnages or managness or mainly from Cuba and the Gold Coast. In 1947—the last year any figure on Russian production was released—the reds had an output of 1,800,000 metric tion of manganese.

In wartime our steel mills have had to take low grade ores which would not have been commercially acceptable during peace.

The Batesville plant will contribute to national security and economy as well as to the industrial progress of Arkansas. The enterprise is a fine addition to the list of mineral processing plants which are helping bridge the big gap in development of our varied mineral resources.

Asker No. 1, NW NW NW of section 51,4, will will will ask in 1947—the last year any figure on Russian production of manganese of the United States' 119,409 domestic production of manganese.

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gins, Jimmy Piper, and co-captain Jack Bradley. team captain Frank Wig-Bill Bowen, Jimmy Pack, den, Douglas Francisco, Robert Smith, Bobby Wal-YMCA are Butch Fessiter, ready for a game at the team members getting Little Rock, From left, ni rated one of the best in The Owls basketball team



to criticize others . . To be too large for worimprovement of yourself that you have no time meet a smile . . . To give so much time to the at all times and give every living creature you the future . . . To wear a cheerful countenance past and press on to the greater achievements of your own . . . To forget the mistakes of the about the success of others as you are about only the best . . . To be just as enthusiastic your optimism come true . . . To think only of the best, to work only for the best and expect look at the sunny side of everything and make feel that there is something in them . . . To To make all your friends talk health, happiness and prosperity to everying can disturb your peace of mind . . . To Promise yourself to be so strong that noth-

en so seriously. It reads: club. It's easy to understand why the creed is takmember is required to memorize it when he joins the Junior Optimist membership card, and each new giously. The creed is printed on the back of the Creed . . . s self promise that they follow relithe youngsters is to forget part of the Optimist One of the biggest causes of embarrassment to

tains members of both groups often at their weekly meeting to another, and the Optimist Club entereach other's activities by sending delegates from one Wednesdays. The two groups keep in touch with same procedure, but they meet at 7:30 p. m. on

has gotten into trouble since the program was besults they've gotten so far. Not a Junior Optimist The senior club members are proud of the re-

nile delinquency and build these boys into better way, we think we can really help to stamp out juvethey're from or how much their dads earn. That recreational program for all boys, no matter where ing to do in Little Rock is to offer a self-help and the juniors, says. "What the Optimist Club is trywho puts in an average of 100 hours a month with "It helps to make them self-reliant," Sherrill,

in his pocket. generally there at the next meeting with his dues needs work and how much money he needs), he's employer is usually informed as to why the boy job. When he finishes the work and gets paid (the so, Sherrill gets on the phone and finds the boy a and if a kid wants to join, but lacks the money to do The boys must pay dues and help in club work,

manner, following parliamentary procedure rules. ganization, and the two divisions meet in the same ior Optimist Club is organized as is the parent orties, sports and citizenship-building work, the Junto better themselves by encouraging group activi-Primarily simed at giving boys an opportunity * * *

an important youth movement in the state. boosted the club to the point that it is considered that the boys' own interest, work and loyalty have school age). And the work has been so successim

7 Drilling

while conducting the first state geological survey, discovered in 1857 that Batesville ores compared favorably to the best in Europe.

He predicted that Arkansas some day would lead all western states in manganese production.

The deposits were worked most extensively during World War I. After a long lag in mining, production rose again during World War II, and later a comparatively small tonnage was stockpiled near Cushman.

Of the nine states that have manganese beds of any conse-

Alcan Oil Co., Freeman Smith No. 6, SW C SW of section 17-15-13 Artesian field, eight miles south of Hampton, in Calhoun county.

J. D. Reynolds Co., J. Smith No. 1, section 30-15-17, Pace City field, Ouachita county, to 3,500 feet. Berry Asphalt Co., Grove Land & Timber Co. No. 4, SE SW NW of section 10-14-20, Troy field, Nevada county, six miles east of Waterloo to 1,200 feet; and Thomas C. Knight Oil & Gas Co., Lowell Asher No. 1, NW NW NW of section 15-21-4, wildcat in Clay county, five miles northwest of Cornsultation and Simple Co. No. 1, NW NW NW of section 15-21-4, wildcat in Clay county, five miles northwest of Cornsultation and Simple Co. No. 1, NW NW NW of section 15-21-4, wildcat in Clay county, five miles northwest of Cornsultation and Simple Co. No. 1, NW NW NW of section 15-21-4, wildcat in Clay county, five miles northwest of Cornsultation and Simple Co. No. 4, SE SW NW of section 10-14-20, Troy field, Nevada county, six miles east of the Cornsultation of the came to New dent of the came to New Science and tholar or ing drilled is and Holman I messmen.

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Mineral rigotherical section 1200 feet; and Thomas C. Knight Oil & Gas Co., Lowell Asher No. 1, NW NW NW of section 15-21-4, wildcat in Clay county and the county and the

McMath Hits Jackson Test Oil Pricing **Under OPS**

Arkansas Governor Is Speaker at Oil Compact Conference

Phoenix, Ariz.—Arkansas' Governor McMath today criticized as "unrealistic" the attitude of the Office of Price Stabilization in fixing prices for fuel oil stocks in the Gulf Coast area at a meeting of the Interstate Oil Company Commission here yesterday.

sion which represents 33 oil-producing states, said that he understands residual fuel oil stocks are very high in the Gulf Coast area.

The land on which the well is being drilled is owned by R. D. Byrd and Holman Lindsay, Newport business.

Located On Large Block

set up equipment at a location on Tucker's Ridge a few miles south of Possum Grape, and will go to a depth of at least 5,000 feet unless granite is encountered at a lesser depth.

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McMath, chairman of the commission which represents 33 oil-producing states, said that he under the commission which represents 33 oil-producing states and that he under the commission which represents 33 oil-producing states and that he under the commission which is the commission which

Mineral rights leases have been obtained on 28,000 acres of land in the county. A Ft. Smith geologist, H. F. McMahon, has maintained headquarters in Newport for the past year, obtaining the leases. The tract extends roughly from Weldon to Bradford

E. R. Smith, Oklahoma City, will

Bauxite Yields Another Metal On Critical List

By SAM G. HARRIS Of the Gazette Staff Significant amounts of the rare

and critical columbium metal have been found in Arkansas bauxite. It is indicated that more of the metal exists in the state's annual bauxite ore output than is available

the world. As soon as metallurgists find a way to separate the strategic metal from its sister elements, it will mean a \$4,000,000 or more annual sideline to the aluminum companies purchasing bauxite ore.

annually to this nation throughout

The discovery of the metal was made in a hush-hush investigation last year by the United States Geological Survey, which found that 17 samples of typical Arkansas bauxite contained .05 per cent nio-hum or columbium or columbium.

Equals 1,000 Tons A Year
Quantitatively .05 per cent is
pretty small potatoes geologically
speaking. However, .05 per cent of
Arkansas's annual bauxite tonnage amounts to something like 1,000 tons. The United States is able to acquire from all sources, none domestically, 700 to 800 tons a year and it pays \$2 a pound for that. Pure columbium is worth \$35 a pound.

The catch to the whole thing is extracting the columbium from the other components, especially titanium, which is another rare and expensive metal. pensive metal.

Investigations and chemical research surrounding columbium and its separation from existing ores are super-secret. Neither the commercial companies mining and processing Arkansas bauxite nor the Geological Survey have publicly indicated that they are even working at cracking the separation problem. However, it is safe to assume that all agencies involved, private and governmental, are burning mid-

night oil to solve the separation problem. The economic and military value of columbium is so great that the problem can't be ignored. Strategically Important Niobium, or columbium, is used principally in the development of high temperature steels. Its strategic importance is mounting. The metal is used in the hardening of, and providing exceptional stainless qualities to, steel which goes into jet engines of all kinds.

Geological Survey scientists re-ported last month in a limited pub-lication that:

"The large tonnage of Arkansas

"The large tonnage of Arkansas bauxite mined annually and processed through Bayer alumina plants could be a significant source of niobium if the rather difficult chemical problems involved in the separation of this metal could be solved. If only half the amount now lost could be recovered it would constitute an important contribution to American industry."

Other Elements Found
The investigation that led to the discovery of columbium in Arkansas bauxite also revealed that this state's bauxite ore, which has been mined exclusively for aluminum processing, also contained 17 other minor elements including titanium, zirconium, barium, itrium, chromium, labidium, vanadium and copper. With the possible exception of titanium which has a close geological and chemical affinity for columbium, none of these exist in commercial quantities in the baux-

lumbium, none of these exist in commercial quantities in the bauxite ores of Pulaski and Saline Counties.

The discoveries resulted from spectographic studies of the ore samples obtained in the Geological Survey's investigations last year. Spectographic analysis of ores is one of the most minute and thorough tests known to scientists.

Another interesting conclusion of the spectographic studies was that should be sufficiently and the spectographic studies was that should be sufficiently and stone from seven quarries in Independence, White and Cleburne Counties.

Hartsell said he has orders from Texas, Oklahoma and several other states. the spectographic studies was that beryllium — which theoretically should be concentrated with aluminum in bauxite—actually has a very erratic distribution in Arkansas

Ouachita County Field to Be Worth Millions More Because Water Is Pumped Into Oil Sand

24,000,000 barrels by gas repressuring and 30,185,000 barrels by water flooding.

All interested parties selected water flooding, naturally. On petition of 100 per cent of owners of working interest and 77 per cent of reyalty owners, leasehold interests were unitized by Commission order. Water wells were drilled and

New Industry To Cut Stone At Batesville

Gazette State News Service
Batesville, May 14.—A small but
promising new industry, which will
utilize one of Independence County's natural resources—ledge stone

Bq TOM DAVIS
Of the Gazette Staff
Trading water for \$44,500,000
worth of oil is good business in any business.

That is what operators and royal
That is what operators and royal
equipment installed for in action. In January, 1949, before flooding operations, the lowest bottom hole pressure was recorded as 412 pounds a square inch. Accumulated recovery was 2,701,537 barrels

Affected were the Lone Elm,

worth of oil is good business in any business.

That is what operators and royal-ty owners in the unitized Wesson Hogg Sand Reservoir of Quachtia County stand to gain by flooding the oil sands with water in factions. Reservoir operators this factions. Reservoir operators this factions. Reservoir operators this decimal section of the state oil and Gas Commission.

The increase in allowable production from the state oil and Gas Commission.

The increase to 9,896 barrels a day was the third granted since the leasehold interests were unitized Juy II, 1948, and water injections began some 18 months later. The labels to tailed 1,500 barrels a day.

Here is the Wesson Hogg Sand Reservoir story, as related to the Oil and Gas Commission by Sterling Lacy Ir., petroleum engineer with McAlester Fuel company, which operates the unit for some the farmature of Scotion 24. Township 15 South, Range 19 West.

From early performance, the Reservoir was thought to be of based chiefly on the rail decline in bottom hole pressure which required artifical lift when only 112. To barrels of oil had been produced.

Further development extended the pool about five miles to the contenting around the southwast quity interests according to their in the pottom hole pressure which required artifical lift when only 112. To barrels of oil had been produced.

Further development extended the pool about five miles to the content of the produced of the

Oil News Three Wells Completed

El Dorséo — Three wells were to pered in Union county during the pest week, and 14 others are in various stages of completion—from locations to the testing of John C. Schmidt's T. B. Kelly No. 4, section 30-17-1, which is flowing 101 barrels of oil per day at 8 202 feet, and other is section 12-17-18, and of oil per day at 8 202 feet, and other is section 12-17-18, and of oil per day at 8 202 feet, and other is section 12-17-18, and of oil per day at 8 202 feet, and other is section 12-18-18, and of oil per day at 8 202 feet, and other is section 12-18-18, and of oil per day at 8 202 feet, and other is section 12-18-18, and of the section 12-18-18, and the section 12-

len.sworth No. 1 section 8-17-18, Columbia wildcat, dry.
E. G. Bradham, A. T. Munday
No. 3, section 25-17-16, Union, dry;
McAlester Fuel Co., C. M. Wesson
No. B-8, section 24-15-19, Ouachita,
dry: Spears Oil Co., Reynolds No.
6, section 27-15-16, Ouachita county,
dry; Lion Oil Co., Crossett Lumber
Co. B-2, section 28-18-15, Ashley
county, dry; and Arkansas-Oklahoma Gas Co., Cy Carney No. 1,
section 20-10-31, Crawford county,
dry.

Lion Reports Find in Texas

El Dorado—The finding of a new oil field by Lion Oil Co. was announced yesterday by T. M. Martin, president.

The new discovery is in Crockett county, Tex., where the company owns a block of about 1800 net acres. The successful wildcat is known as the Shannon No. 1 but the field has not been officially

named.

The well, which was drilled to a total depth of 7709 feet, is flowing from the Ellenburger formation at the rate of about 240 barrels per day through a 16-64 inch choke, Martin said. Tests as to potential are not complete. Gravity of the



Demo 4-20 Oil News

Pettit Lime **Demonstrates** Perversity

2 Field Wells Dry In Columbia County; Tokio Well Good

Magnolia—The reverse qualities of the Pettit lime as an oil-producing horizon, demonstrates at times in fields in north Louisiana and south Arkansas ever since the Shreveport field was discovered in 1938, were emphasized again last week in North Shongaloo and Horsehead fields, Columbia country

This tight-grained lime at times refuses to yield its oil even in recognized fields, despite acidizing, swabbing or shooting. The time-honored completion method failed at Gulf's Stonecipher-Foster Unit 1, 700 feet s, 700 e, of northwest corner, nw, se, section 15-19-21, and the Horsehead field well was abandon-

ed.

It had been drilled to 5,915 feet; set 5 1-2 inch at 5,911, perforated between 5,816-5,824; was acidized and swabbed, was perforated again between 5,817-66 feet, and the best it could do was oil-cut mud on swabbing. This does not necessarily condemn the area, and 30-acre tract north of the McCollum A-1, which made a good producer in Pettit lime, and is still flowing about 93 barrels per day.

In North Shongolog field, Stanglind

In North Shongoloo field, Stanolind Oil and Gas Co. completed Haynes D-1, 660 feet n, 1,980 feet w of se corner of 2-20-22, as a good producer, but gauge was not available. It drillled to 5,857 feet, set 5 1-2-inch casing at bottom and perforated. It is a Pettit lime well. However, Hunt Oil Co.'s J. S. Haynes Estate et al. No. 1, 1,880 feet e, 610 feet s of nw corner of 12-20-22, was abandoned as dry in Pettit lime around proposed depth of 5,900 feet.

In Springhill field, near the

depth of 5,900 feet.

In Springhill field, near the state line, Shell Oil Co.'s Browning-Burns No. 3, was gauged at 510 barrels of oil per day through a one-fourth-inch choke from open hole between 3,100-,3,114 feet. Gravity was 41.7 degrees, casing pressure was 100 pounds, and tubing pressure was 25 pounds. Location is 990 feet w, 330 feet north of se corner of 12-23-23 and it was completed in Tokio.

Shell's wildcat Browning-Burn.

Shell's wildcat, Browning-Burns Unit No. 1, 660 feet n, 600 w of se corner of 12-20-23, a Smackover test, was drilling near 8,300 feet. test, was drilling near 8,300 feet.

In Magnolia field, G. H. Vaughn was drilling near 7,300 feet in the Joel Jones A-2-X, 100 feet ne of center of se ne, 21-17-20, and was reaming and coring. Proposed depth is 7,600 feet in Smackover, which will be reached within a few more days. Another Columbia county wildcat, Lawton Oil Corp.'s Russell Goode No. A-1, center se, sw, 36-18-19, near Atlanta field due for a testing depth of 9,000 feet, was near 5,000 feet.

In Stephens field, Columbia county side. Don Fitzwater's J. B. Warmack et al. No. 1, 309 feet e, 442 feet n, of sw corner of sw, nw, 10-15-20, due for a testing depth of 3,000-3,100 feet drilled to 2,600 feet, cored and tested in Tokio, with drill stem, with very little show of oil, and was abandoned as dry.

Coring in Smackover. In Lafayette county, McKamie-Patton field, Carter Oil Co. is near Smaokover depth of 9,400 feet, in McKamie-Patton Unit No. 2, 200 feet s, 150 feet e of center of 32-17-23, having started coring at 9,-295 feet in Smackover.

In Miller county, Stanolind Oil and Gas Co. deep well plugged back as woc on test pipe set at 6,978 feet. The drill went to 10,994 feet, with proposed depth of 11,000 in Smackover. In several cores near the bottom lime and Aphydrita the bottom lime and Anhydrite was found in two cores, and in two others oolithc lime was recovered with sulphur odor. This is in Ft. Lynn field and the test is Miller Land and Lumber Co. No. B-1, center sw, se, 17-18-27.

In the same field, Stanolind-Harvey were drilling near 4,800 feet in the Kochtitzky No. 1, 559 feet w, 600 feet, s, of ne corner of 9-18-17, due for 6,500 feet G. W. Skelly was reported drilling at 11,000 feet in the wildcat, Dickson Heirs No. 1, 1,295 feet s, 1,424 feet e, of nw corner of 26-19-27. It has been "tight" all along. First announced testing depth was 7,500 feet.

New Low Hit In Drilling

El Dorado — Drilling activities skidded to a new level in the state during the week as the Arkansas Oil and Gas Commission issued only four permits.

Union County. Creslenn Oil Co. will drill the Russell No. 1, se se nw in 3-17-13; location in the Urbana field, one nile from Urbana; rotary drills to

E. G. Bradham will drill another wildcat west of El Dorado in staking the A. T. Munday No. 3 to be rado with shallow drilling to 2,250

Ouachita County.

Atkins and Pandell & Associates to drill the Halton No. 1 in c se ne sw of 16-15-19; rotary to drill to Franklin County.

Arkansas Louisiana Gas Co. will put down the Sarah Ann Tankersley No. 1 in 26-9-29; location to be three miles west of Pauline in the Cecil field; drilling to be by rotary to 5,-



Old Maps Expose Their Own Story of Progress

Many Valuable Graphs Are Located by Writer in Quest for Historic Facts.

> A Valuable Scrapbook Item By CLAIRE N. MOODY

OLD MAPS portray progressive history! To the person who collects them a map can be as exciting as a detective story. From it can be found clues that will take weeks or even months to follow up. Old maps show that even the topography of the

land has changed in historic times. For instance the earthquake of 1811 in the New Madrid region made a radical change in the northeastern part of Arkansas. Along the eastern boundary the Mississippi river is constantly altering its course, thereby forming lakes, cutting towns off the river or washing them into the stream.

One of the earliest maps in which the region of Arkansas is included is to be found in Goodspeed's General History of the PROVINCE AND THE STATES. (No. 1.) It is called ORIGINAL MAP OF THE EXPLORATION OF DESOTO AND MOSCOSO, 1539-1543." On it are located rivers, Indian tribes and

According to history, De Soto and Moscoso were the first white men to set foot in this region. J. H. Halliburton of Arkadelphia in his HISTORY OF ARKANSAS FROM 1541 TO 1875, thinks that four of the notable incidents of which any record has been left, occurred in Arkansas. His convictions, after research, follow:

1. It was at the lowest Chickasaw Bluff that De Soto and his army

2. It was on the highlands at or near Wittsburgh, on the St. Francis river in Cross county, that a cross was erected and the first religious ceremonies observed.

3. That it was at or near the highlands, on the Mississippi river at Helena, that De Soto died and was buried.

4. That it was at or year Old Town Landing on Old Town Ridge a few miles south of Helena, that Moscoso and his men built their brigantines in which the escape was made.

After the departure of Moscoso and his men from Minoya on July 2, 1543, for a period of 130 years there is no historical evidence that the feet of white men trod the soil of the great valley west of the Mississippi

Then in 1673 Father James Marquette and Louis Joliet explored the fertile valley of the Mississippi. Joliet leit a map (No. 2) and from it we learn that, during the intervening years, the region became thickly populated with Indian tribes. After their departure until the winter of 1681-1682, no white

men were in the regio On Feb. 24, 1682, La Salle accompanied by 18 Abenake and Michigan Indians and 23 Frenchmen including De Tonti and Membre, landed on the 3rd Chickasaw Bluff. Leaving this point, they descended the river and reached the village of Kappa where lived a band of Arkansas Indians. On the 14th of March, 1682, La Salle and Tonti marched to the open area in the midst of the village and raised a cross bearing the arms of France.

The next map showing this section is in the Little Rock Public Library. It was drawn entirely from memory in 1718 by Guillame de Lisle, cartographer of the French empire. De Lisle never saw the province of Louisiana, he relied on the reports of La Salle, Marquete, and others for his information. This map is liberally illustrated with drawings of strange birds and animals, Indians, their villages and canoes, sailing vessels and forts.

It is rather remarkable how near De Lisle has come to depicting the topography of the land. The Father of Waters evidently held a lure for those early explorers that drew them back to its bosom until every entering stream, every bluff, and every settlement was faithfully remembered, thus making it possible to give the cartographer an accurate idea of the land he was to

This is the first map on which the village of the Kappas is shown. It is located near the confluence of the Arkansas with the Mississippi.

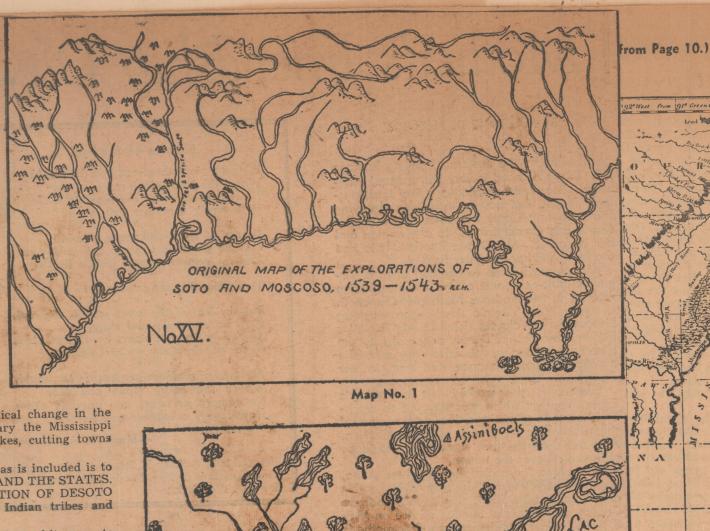
Also in the library's hands is a map of the "British Dominions in North America as settled by the late treaty of peace"—the Treaty of Paris. This map is dated 1763 and is a photograph, rather blurred. It shows the English and French possessions. However, there is difficulty in distinguishing which side claimed the region where Arkansas later came into existence.

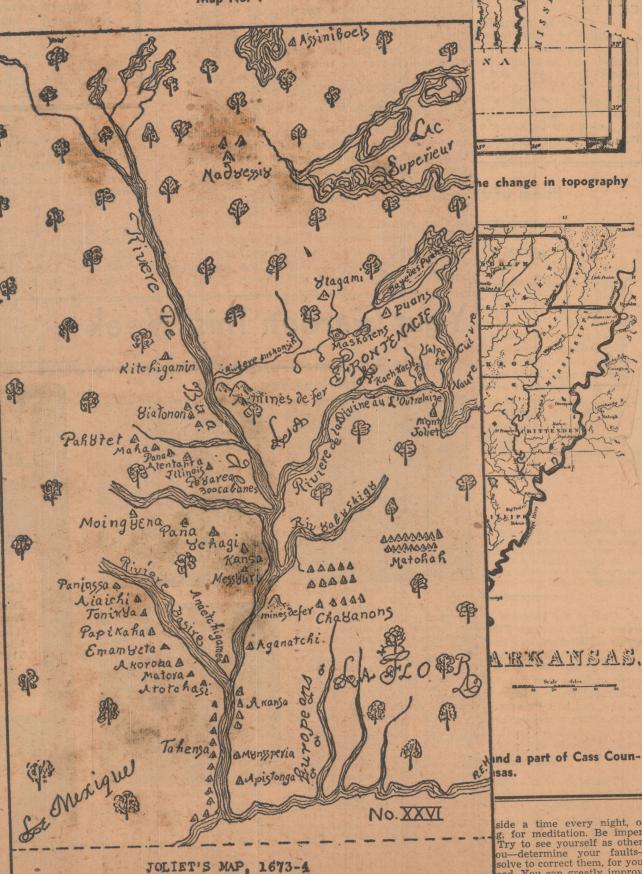
The next reference to this section comes from a map owned by Mrs. J. E. Cooke. It was published in France in 1771 and was bought in London for Mrs. Cooke by her father, Reginald Forwood. The title is "MEXICO, NEW SPAIN AND THE ADJACENT COUNTRY." On it, New Orleans is the only settlement given. In the region of Arkansas are shown the Indian tribes of Acansa

Another French map in the library, drawn in 1782 by De Lisle is entitled "Carte Particuliere Des Embouchures De La Rivie S. Louis et De La Mobile." On it are mapped the routes of De Soto, De Bienville, De M. Cavelier in 1687, together with many other routes. According to De Soto's routes as marked on this map, Historian Halliburton could be correct in his surmises concerning De Soto's stay in Arkansas and his death near Helena.

Probably this map is followed by another at the library which was "compiled and laid down" by Rene Paul in August, 1818. It is beautifully drawn and stirs up a flock of surmises. The title tells the story "Territorial Limits of the Quapaw Session." Many Quapaw villages are located as are various salt springs and "Little Rock," not the city but the rock. In the upper lefthand corner a graceful bird, widespread of wing, is offering an olive branch in its beak to an Indian sitting on a box in the lower corner. The box is strongly bound with cord and on it is written "Quapaw Annuities B No. 1 \$1,000."

* * Now visit the collection of maps owned by Ben Shelley, manager of the Hotel Marion. Originally 25 of these maps extended around the walls of the





Map No. 2

mezzanine floor of the hotel, but some map lovers have not been too scrupulous and the number has been reduced to 15.

Undoubtedly the first one, (No. 3), in chronological order, is that of Arkansa Territory. On it the location of various tribes is given—the Chero-natter how strong your feel-re, they must respond to the kees, Quapaws, Ozarks, Choctaws, Great and Little Osages, and the Pawnees. sof your mind. You have to A few towns are named—Arkopolis in the center of the state; Post on the site of what was later known as Arkansas Post, Cadron, Hot Springs, Ft. Smith, ta physical reaction. You've of what was later known as Arkansas Post, Cadron, Hot Springs, Ft. Smith, ta physical reaction. You've of what was later known as Arkansas Post, Cadron, Hot Springs, Ft. Smith, ta physical reaction. You've of what was later known as Arkansas Post, Cadron, Hot Springs, Ft. Smith, ta physical reaction. You've of what was later known as Arkansas Post, Cadron, Hot Springs, Ft. Smith, ta physical reaction. You've of what was later known as Arkansas Post, Cadron, Hot Springs, Ft. Smith, ta physical reaction. You've of what was later known as Arkansas Post, Cadron, Hot Springs, Ft. Smith, ta physical reaction. You've of what was later known as Arkansas Post, Cadron, Hot Springs, Ft. Smith, ta physical reaction. You've of what was later known as Arkansas Post, Cadron, Hot Springs, Ft. Smith, ta physical reaction. You've of what was later known as Arkansas Post, Cadron, Hot Springs, Ft. Smith, ta physical reaction. You've of what was later known as Arkansas Post, Cadron, Hot Springs, Ft. Smith, ta physical reaction. You've of what was later known as Arkansas Post, Cadron, Hot Springs, Ft. Smith, ta physical reaction. You've of what was later known as Arkansas Post, Cadron, Hot Springs, Ft. Smith, ta physical reaction. You've of what was later known as Arkansas Post, Cadron, Hot Springs, Ft. Smith, ta physical reaction. You've of what was later known as Arkansas Post, Cadron, Hot Springs, Ft. Smith, ta physical reaction. You've of what was later known as Arkansas Post, Cadron, Hot Springs, Ft. Smith, ta physical reaction. You've of what was later known as Arkansas Post, Cadron, Hot Springs, Ft. Smith, ta physical reaction. You've of what was later known as Arkansas Post, Cadron, Hot Springs, Ft. Smith, ta physical reaction. You've of what was later known as Arkansas Post, Cadron, Hot Springs, Ft. Smith, ta physical reaction. You've of what was later known as Arkansas Post, Cadron, Hot Springs, Ft. Smith, ta physical rea

side a time every night, on g, for meditation. Be imper-Try to see yourself as others bu—determine your faults—solve to correct them, for your ood. You can greatly improve nental attitude and conditions , by the investment of a little laily. Isn't it worth it?

QUESTION.

ar Mr. Sherman: You can realtrol your emotions with your
I always thought that feelvere stronger than mind."
W. C.)

Mother's Friendship Day

By MAURINE D. McELROY

ALTHOUGH the custom of paying homage to motherhood is very old, indeed, a national observance of Mother's Day is surprisingly recent. Our country has been observing that celebration only 36 years. And Mother's Day is due almost entirely to one woman and her daughter-Mrs. Anna Reeves Jarvis had the idea, and her daughter fulfilled it.

Mrs. Jarvis, whose father had been a Virginia circuit-rider, was one of the most active workers in the Andrews Methodist Church in Grafton, West Virginia. She began teaching Sunday School classes there during the War Between the States. Deeply concerned by the bitterness among people after the war, she always stressed tolerance and love in her

Eventually, she worked out a Mother's Friendship Day which was devoted to neighborliness among mothers. It was so successful that it became an annual affair in Grafton. And she dreamed that someday it would be observed all over the nation,

When Mrs. Jarvis died, her daughter, Anna, spent all her time and fortune to make this dream come true. First, she helped Andrews Church plan a special Sunday service on May 8, 1908, which was dedicated to her mother's memory. Anna provided 500 carnations to decorate the church for the occasion; and she chose carnations because, to her, they symbolized faithfulness and neighborly love. The minister chose as the text for that first Mother's day sermon, "Son, Behold Thy Mother. Mother, Behold Thy Son.

Since then, Andrews Church has never missed a year having its commemorative service celebrating Mother's Day on the second Sunday in May. Today this church is still

Pictures of Mothers

Pictures of mothers are best in the heart, Where the heart alone can see. No camera or brush can possibly show How lovely a mother can be.

Beauty of spirit and grace of mind May be glimpsed through the artist's eye; And the camera records with a fleeting

The smiles that are passing by.

But the lens of the heart records the soul, With images sharp and clear; And the pictures it makes are fine and true Of the people whom we hold dear,

Pictures of mothers are best in the heart, Where the heart alone can see. No camera or brush can possibly show How lovely a mother can be!

-Marjorie A. Levine.

Pictured is Mrs. Mary M. Brackett, Batavia, Arkansas, mother of Mrs. Marjorie A. Levine, 418 E. 6th, Little Rock.

standing, and just inside its doors is the in-scription: "The Mother Church of Mother's Day." On either side of the pulpit hang two old-fashioned oval portraits, one of Mrs. Anna Reeves Jarvis and the other of her daughter, Miss Anna Jarvis.

In 1910 the governor of West Virginia pro-claimed the first official observance of Mother's Day for the entire state. Two years later Texas and Oklahoma followed suit, making the second Sunday in May their official Moth-



In 1914 President Woodrow Wilson approved a resolution passed by Congress in observance of the day; and that year all the states participated for the first time. President Wilson signed this resolution on May 8, the sixth anniversary of Grafton's first Mother's Day

Now this day is acknowledged in many parts of the world. Anna Jarvis built a truly great memorial to her mother in fulfilling the dream of the woman who gave us that first Mother's Old Maps

(Continued from Page 10.)



Map No. 3 was probably completed in 1812, 1813 or 1814 for it exposes the change in topography after the earth quake of 1811.



Map. No. 4 was completed early in 1830. It includes Bowie County, Texas, and a part of Cass County, Texas, in the (lower left) southwest corner of Arkansas.

Your Garden This Week

For Big Home Garden Yield Sow Efficient Vegetables

Snap Beans Are Pod Crops.

A plan which keeps your garden space busy throughout the season will require some study. The crops

The tendency is to sow too much

The faster a vegetable grows, the

less time it remains in good table

then a scarcity later on.



Carrots Are Root Crops.

Before you buy seeds for a Liberty garden this spring, devote a few evenings to considering what vegetables you will grow. To some extent, the list will depend upon the amount of space you devote to this patriotic leisure-time activity. Heaviest yield from small space can be obtained from vegetables of which we eat the leaves. These include the "greens" which are cooked, and the salad leaves, which are eaten raw. They yield so abun-

pared to space occupied, are vege-tables of which we eat the roots, stems, or seed pods. Beets, carrots, parsnips, broccoli, snap beans, turvields, are rich in calorie value, beans are all good crops for training on a garden fence, where they yield well.

theory that you do not like them, unless you have eaten them when half grown, fresh from the garden. This is an experience which only home gardeners can enjoy, and it

will give anyone a new conception of how delicious vegetables can be.

Vegetables which give the lowest return in food value for the space can grow these on stakes, trellises or fences, thus exploiting the air vent waste, you must sow at first

a small garden.

Tomatoes should be grown in every garden, pruned and staked preferably, so they take up no more soil space than carrots, yet yield abundantly over a long season Cuabundantly over a long season. CuThis takes figuring, but is not cumbers, melons and pole lima really difficult. A few hours de-

voted to planning will save much wasted effort this spring and summer. To enjoy a garden, you should keep it as small as practical, fer-





Your Key to Happiness By HAROLD SHERMAN "The Man Who Helps You Help Yourself"

HOLLYWOOD—Do you think you can escape the eventual effect of wrong thoughts and actions in your life? So many people say to me, "I just want to forget all the mistakes have made and start over again. Can't I do that?" But they fail to realize that the subconscious part of them never forgets. It records every experience in consciousness, happy or unhappy, and these experiences continue to exist in mind, in mental picture form. More than that, associated with these pictures, is the notional reaction or feeling experienced at the time.

Think back to some unpleasant nappening, call it forth from the

published by F. Lucas jr. It must have been printed

after the earthquake of 1811 because the region ex-

tending from the mouth of the Arkansas river to the

the eighth county of Missouri Territory and the first

county of the area now comprising the state of Ar-

kansas. On Jan. 15, 1815, the same legislature form-

ed the county of Lawrence and on March 2, 1819,

Congress created the territory of Arkansas to become

* * *

In the Arkansas room of the library is a "Geo-

graphical, Statistical and Historical Map of Arkansas

Territory." On each side is printed an informative

column which gives historical information to date.

This map is respectfully inscribed to Hon. J. C. Cal-

houn, secretary of war, by S. H. Long, Major T. Engi-

An interesting study on this map are the routes taken in 1816, 1817, and 1818 by Major Long while

performing his topographical work. Few of the maps

mentioned contain as much material for study and

been published in the early 1830's because it gives

Union county with Ecore Fabre as the county seat.

(No. 4.) Union county was established in 1829 and Ecore Fabre, located where Camden now stands was

designated as the county seat. This map gives the

state more territory than it now has. It was made

when Bowie county and most of Cass county, Texas,

tel is the one published by Augustus Mitchell, N. E.

Corner of Market and 7th streets, Philadelphia. Entitled a "MAP OF ARKANSAS WITH ITS CANALS,

ROADS AND DISTANCES," (No. 5), the map con-

tains a list of river routes and stopping points for

boats going from Little Rock to New Orleans, Little

This map was printed when Arkansas had only 46 counties, one of them being Cass county located

map dated Nov. 6, 1850, showing the extent of public

surveys in said district on Oct. 30, 1850. It is signed

The surveyor's office in Little Rock put out a

Another map dated, Oct. 2, 1866, printed by the epartment of Interior, General Land Office, J. S. Wilson, commissioner, (No. 6) shows the Land Grant Railroads, the seat of land offices in the state-Little

Rock, Clarksville and Washington-and the site of the coal regions. No towns are shown in Craighead,

Cross, Columbia, Poinsett and Woodruff counties. Many county seats were different from those of the present day. In Jackson it was Jacksonport; in Lawrence, Smithville; in Arkansas, Arkansas Post; in Chicot, Columbia; in Sevier, Paracliffta, and in Polk, Panther. Clay, Little River and Columbia counties

Early roads are located on another map. The two most prominent were the military road running from the southwestern corner diagonally across the state to the northeastern corner and the United States road from Little Rock to Memphis, via Clarendon. A road called Wheeler's Trace ran from the Union

A later map must have been printed after 1842

because Ouachita county had been established and

he Union county seat changed from Ecore Fabre

to Union Court House or Scarsborough Landing as it was also called at that time.

was possible at that time to go on board at Old Port-

land in Ashley county and travel as far as New Orleans by water. Mrs. Gus Gregory, nee Nancy Cammack of Portland, recalls that her father and mother made their wedding trip to New Orleans over that

At Bartholomew in Chicot county there is a notion that the Bayou is navigable for steamboats. It

On a map attributed to Frank A. Gray a popula-(Continued on Page 12.)

county line to Little Rock via Pine Bluff.

Rock to Pittsburgh, and Little Rock to Ft. Gibson.

between Searcy and Conway counties

L. Gibson, surveyor general of Ark.

had not been formed.

Probably the third map in the series at the ho-

Back to the Shelley maps to one that must have

Mrs. W. T. Dorough, executive secretary of the Arkansas Tuberculosis Association owns a map in which Arkansas has been divided into two counties-Arkansas and Lawrence. This map must have been published after 1819 because on the 31st of December, 1813, Arkansas county was formed to become

27th parallel is labeled the Great Swamp.

effective July 4 of the same year.

fascinating research as does this one.

were still a part of Arkansas.

physical and mental actions now when similar experiences arise which call for the same fear and worry. This is because your present actions are based upon your past actions.

There is an old saving "What the wrong mental picture has upon you mentally and emotional."

QUESTION.

"Dear Mr. Sherman: You can really control your emotions with your mental picture has upon you mentally and emotional."

(Mrs. W. C.)

man will do once, he will do again." It's like a bad habit. The first time you tried it, it may have been unpleasant, but repetition accustomed you to it so that, in time, you have even come to like it, reyou have even come to like it, respond to the dictates of your mind. You have to love a person, mentally, before your can get a physical reaction. You've then free yourself from the influence of this existing fear has upon

You must understand that, to for-A man or woman can be hypnoget the past you must be able to Go to work on yourself by set- your feelings will be right.

tized and taken back to a certain time in life when some tragedy occurred and be caused to relive it, with all the feeling originally experienced.

So, you see, we are today the sum total of every thought and experience we have had throughout life. If you haven't conquered some fear or worry, it will dominate your of what you actually did do and say, at the time of the unhappy experi-

are based upon your past actions.

There is an old saying, "What a ly."

gardless of the harm it may be ence of this existing fear has upon

No matter how strong your feel-