December 1, 2000, was set first as the date for completion of the proposed reservoir. The A. P. and L. has contended its completion at that date was not feasible. The Federal Power Commission was said to be considering an application for the license's renewal. tion for the license's renewal.

Bull Shoals Tests to Be Resumed

Special to the Gazette. 12-29-40

Mountain Home, Dec. 28.—Drilling will be started again soon on further foundation tests on the Bull Shoals damsite on White river. A few foundation test holes were sunk on this site early in 1940, and showed very satisfactory results. At a hearing before the Flood Costrol Committee in Washington in April, it was reported that the Bull Shoals project was the largest undeveloped hydroelectric project between the Appalachians and the Rockies. The Flood Control Committee requested a report on Bull Shoals May 11, 1938, and this report recently has been submitted by the United States

The Bull Shoals site is about a mile above the historic Bull Shoals mountain, the west bank of the river at the site being in Marion county, and the east bank in Baxter county. There is probably not a better site for a dam in the Unit-ed States. On the west side of the river, the bank rises to a high bluff. On the east side it crosses a narrow bottom on the Clyde Bryant farm, then rises to a high bluff. It is literally a deep gash in the high Ozarks, through which White river

during past ages has eaten its way.
The first site tested for hydroelectric development on White river was the Wild Cat Shoals site, five miles up the river from Cotter.
These tests were made first by the
Dixie Power Company, and by the
White River Power Company. Both held licenses to construct a dam.

Foundation tests made by these Flood control of Fourche bayou, concerns showed the under structure to be cavernous and not at all suitable for the construction of a

high head dam.

Bull Shoals Site Preferred. After spending several months in investigations, geologists with the United States Engineers located the most desirable site at Bull Shoals, and all tests to date have been found satisfactory. This site is 12 miles up the river from the old Wild Cat Shoals site.

The construction of the Bull Shoals dam would have a bene-ficial effect in controlling floods on the lower river and, if built as a dual purpose or multiple purpose dam, would develop an enormous amount of power.

amount of power.

The United States Engineer reports on floods on White river show an average damage of \$2,543,000 annually, of which \$790,000 is between Lock and Dam No. 3, above Batesville, and Peach Orchard Bluff, 169 miles above the mouth of the river. The report also said of the willingness of the federal government to contribute toward these improvements."

The 65-page water report is the Planning Board, was tendered a vote of appreciation by the board for his assistance in compiling the report in the absence of the federal government to contribute toward these improvements."

The 65-page water report is the board for his assistance in compiling the report in the absence of the federal government to contribute toward these improvements."

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The 65-page water report is the board for his assistance in compiling the report in the absence of the willingness of the federal government to contribute toward these improvements." of the river. The report also said there is also loss of life and the adverse effect of floods on health, general welfare and social security of the inhabitants that cannot be evaluated. Indirect losses probably amount to 25 per cent of the direct losses, the report indicated.

At Newport, in the central part of the basin, 73 floods have occurred in 49 years of record, six of which were major floods.

The report also calls attention to the natural resources of the section: Forest products, coal, manganese, glass sand, natural gas, clay, tripoli, lead and zinc. Much of the power generated at Bull Shoals could be utilized in the development of these resources.

The report shows that the benefits from the construction of the Bull Shoals dam would pay for the dam in less than 40 years. These figures, which are, of course, preliminary estimates, show the cost of this dam to be as follows: Dam and reservoir, \$26,963,000; power house and equipment, \$6,650,000; power transmission facilities, \$4,-387,000; interest during construction, \$2,000,000, making a total of \$40,000,000. If the dam is built as a dual dam, the annual power value will be \$1,403,400, and the annual flood benefits, \$1,452,900, a total of \$2,856,300, the report said. Deducting the annual fixed and operation costs, which are placed at \$1,815,100, the net annual benefits would be \$1,041,200, the report

Bull Shoals reservoir has a gross capacity of 2,750,000 acre feet, of

UNIFIED FLOOD PROGRAM FOR **COUNTY URGED**

North Side Levees Create Hazards.

Gazette 12-29-40 Consolidation of three proposed flood control projects for Pulaski county, two of which were authorized by the 1936 Congress, would provide ample economic justification for their early realization, the Pulaski County Planning Board reported in its publication on "Water Resources and Problems of Pulaski County" which will be distributed this week. The projects

are:
Two levees in Little Rock, east
and west of Main street, for
which an allocation of approximately \$100,000 was withdrawn by the United States Army Engineers when the city and land-owners failed to provide right-of-way and sign a maintenance

agreement.
Levees on the south bank of the Arkansas river, below the mouth of Fourche bayou, paralleling levees which have been built on the north side of the river from Rose City to Gillett. Construc-tion has been authorized by Congress but no money has been

allocated.

Tood control of Fourche bayou, which frequently overflows the lowlands south of Little Rock, including a major industrial area and Adams Field, where a \$530,000 national defense improvement program is under way. The United States Engineers reported more than a year ago, following a survey, that the Fourche project was not justified by anticipated economic benefits but the project recently was reported more than a year ago, following a survey that the Fourche project was not justified by anticipated economic benefits but the project recently was reported more then a year ago, following a survey that the Fourche project was not justified by anticipated economic benefits but the project recently was reported more than a year ago, following a survey that the Fourche project recently was reported more than a year ago, following a survey that the Fourche project recently was reported more than a year ago, following a survey that the Fourche project recently was reported more than a year ago, following a survey that the Fourche project recently was reported more than a year ago, following a survey that the Fourche project was not justified by anticipated economic benefits but the project recently was reported more than a year ago, following a survey that the Fourche project was not justified by anticipated economic benefits but the project recently was reported more than a year ago, following a construction of the water valley dam on Eleven to the Water Valle

United States Engineers reported more than a year ago, following a survey, that the Fourche project was not justified by anticipated economic benefits but the project recently was reopened for reconsideration.

The board will submit copies of the report to Congressman D. D. Terry and the Little Rock District United States Engineers with the recommendation that the three projects be consolidated into a single county-wide flood control project that the three projects are reported to the delay in securing right-of-way and meeting other federal requirements for construction of the south bank river levees, the Planning Board pointed out the need for co-operation of city, county and state governments.

"In order to effect the needed protection," the report said, "it is recommended that an agency be created with the power of eminent domain and reasonable tax-levying single county-wide flood control single county-wide flood control power in order to take advantage proposal. The report contends the projects are concerned with related problems and that no one of them these improvements."

piling the report, in the absence of Virgil L. Buckley, the board's en-gineer, who has been ill several weeks. The work of Mrs. Pearle Blackman, draftsman, also was commended.

North Side Levees Increase Flood Hazards.

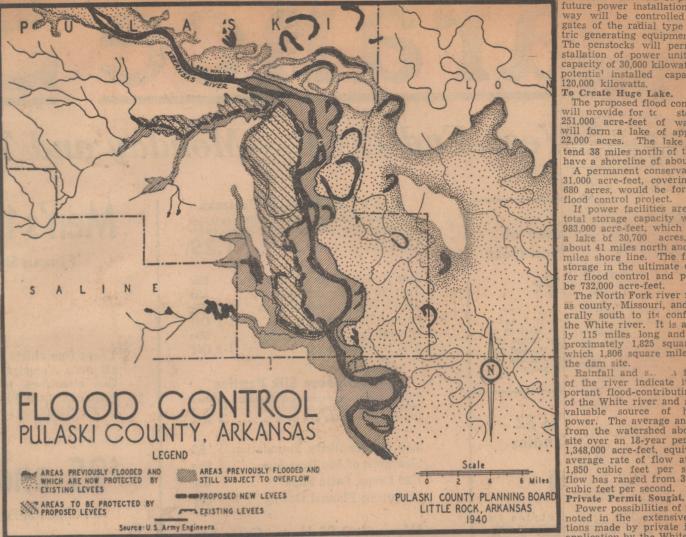
Seawall and levee construction on the north bank of the river has assured protection against floods reaching a height on the Little Rock gauge three feet greater than was reached in the 1927 flood when the waters rose to the 33-foot mark. Twenty-five feet is flood stage and 27 feet major flood stage. Little Rock and the county area

south of the river have no more protection than at the time of the 1927 flood, the report points out, and the bulwarks now existing on the opposite side of the river would result in an even greater volume of flood waters pouring over the land south of the river.

Because annual carrying charges would exceed prospective benefits, United States Army Engineers did not recommend the Fourche bayou reclamation project. Landowners of the area built their own levees to a height of 27 feet at an estimated cost of \$150,000. Levees of that height are sufficient to hold back waters of four of every five

The army engineers recognize the unsatisfactory conditions in Fourche bottoms, the report said, tangible benefits would result from waters would damage Adams Field

COUNTY FLOOD CONTROL PROGRAM



Planning Board has recommended to be considered as a single project are shown on the above map. Little Rock's location is just south of the river approximately under the letter "s" in "sea wall." The accompanying legend indicates areas previously flooded, areas which would be protected by proposed levees, the extent of proposed levees and existing levees. Dark, curved black figures on the map are bodies of water. The map was taken from the county Planning Board's report on "Water Resources" will involve an estimated \$50,000 cu-

these improvements:

The 65-page water report is the Planning Board's major project for 1940. It includes 25 maps, charts and tables.

River Control

Work in State

Progresses

Democrat 12-29-40

The comprehensive flood control program for the Arkansas and White friver basins by means of reservoirs was gotten under way this year by U. S. Army engineers and is expected to be construction of the largest construction in your engineers and is expected to be construction of the largest construction of the

first construction contracts ded. A fourth project will be advertised for construction bids next

The first of the reservoir projects to be started was the Nimrod dam, being built on Fourche la Fave river in Perry county. The next two were the Blue Mountain dam on Petit Jean in Yell county and the Clearwater dam on Black river near Piedmont,

Work on the Nimrod dam, designed as a concrete structure to store flood waters on the Fourche la Fave river, was started in April by Russ Mitchell, Inc., and Brown & Root, Inc., Houston, Tex., on their joint bid of \$1,100,689. The dam is scheduled to be finished by May, 1942. The Nimrod dam will contain penstocks for possible future installation of hydro-electric generating equipment, and when complete will cost about \$4,167,000.

Present work at the Blue Mountain and Clearwater projects is construction of outlet works, the principal construction of the dams to be done under separate contracts. Both outlet works will consist of tunnels through the river banks and the dams are to be of earth construction.

The Blue Mountain outlet works is expected to begin within I was indicated vester.

equipment is added immediately, as recommended by many officials, the additional size of the dam, the powerhouse and generating equipment will raise the cost to an estimated

Preliminary Work at Norfork. from the town of Norfork to the dam site, about five miles, and construc-tion of several dwellings at Moun-tain Home for occupancy of govern-

To Start Soon
Democrat 12-29-40
Construction on North Fork river in

the War Department in connection trol in the White and Mississippi with public recommendations that river valleys. The initial construction hydroelectric generating equiption will include some basic faciliment be installed immediately.

May Cost \$27,000,000.

May Cost \$27,000,000.

Construction of the dam for flood control purposes only is expected to thorization from Congress would be cost about \$11,000,000, but if the hydroelectric facilities are added, the increased height and size of the dam with the extra equipment is expected to raise the cost to an estimated \$27,000,000.

way with a net crest length of 480 feet about 182 feet above the bed of the stream, 11 flood control conduits and four 18-foot penstocks for future power installation. The spillway will be controlled by steel gates of the radial type when electric generating equipment is added. The penstocks will permit the installation of power units having a capacity of 30,000 kilowatts each, the potential installed capacity being potential installed capacity 120,000 kilowatts. To Create Huge Lake.

To Create Huge Lake.

The proposed flood control project will provide for to storage of 1,-251,000 acre-feet of water which will form a lake of approximately 22,000 acres. The lake would extend 38 miles north of the dam and have a shoreline of about miles.

A permanent conservation pool of 31,000 acre-feet, covering about 1,-680 acres, would be formed by the flood control project.

If power facilities are added, the total storage capacity would be 1,-

If power facilities are added, the total storage capacity would be 1,983,000 acre-feet, which would form a lake of 30,700 acres, extending about 41 miles north and having 510 miles shore line. The flood control storage in the ultimate development for flood control and power would be 732,000 acre-feet.

The North Fork river rises in Texas county, Missouri, and flows generally south to its confluence with the White river. It is approximately 115 miles long and drains approximately 1,825 square miles, of which 1,806 square miles are above the dam site.

the dam site.

Rainfall and s... I flow records of the river indicate it as an important flood-contributing tributary of the White river and a potentially valuable source of hydroelectric power. The average annual run-off from the watershed above the dam site over an 18-year period is about 1,348,000 acre-feet, equivalent to an average rate of flow at the site of 1,850 cubic feet per second. The flow has ranged from 300 to 120,000 cubic feet per second. ne dam site.
Rainfall and s

Power possibilities of the river are noted in the extensive investigations made by private interests and application by the White River Pow-

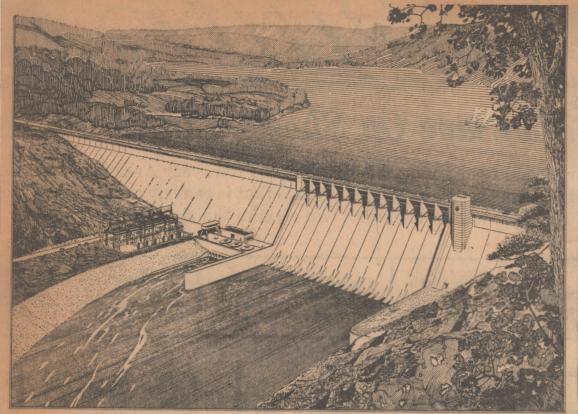
Gazette 12-29-40

Invitations for bids for construction of Norfork Dam on the North Fork of White river, 10 miles from Mountain Home will be mailed to prospective bidders and other interested persons January 6, Lt. Col Stanley L. Scott, engineer for the Little Rock District, U. S. Engin neers, announced yesterday. The

tain Home for occupancy of government of Black river near Piedmont, Mo., about 40 miles northwest of Poplar Bluff. The fourth, on which construction is expected to start within several weeks, will be the Norfolk dam on North Fork of White river in Baxter county. Foundation

The miles of which 1,805 miles are type structure 2,624 feet long and above the dam site, the colonel 220 feet above the stream bed. It said. Channels of nearly all the will be approximately 200 feet wide tributaries of the Norfork have at the base of the spillway section. The structure will have a spill-timber. The bed of the main

HOW BIG DAM WILL LOOK



This is the way the proposed Norfork dam will look when completed. It will be a concrete gravity type structure, more than 2,000 feet long at the top. It will require about 1,200 days to build. It will be constructed across the North Fork of White river in Baxter county near Mountain Home.

North Fork Site Rated Most Effective.

out overflowing the river banks below the dam.

Construction of a government village, offices for government supervisors and a railroad from Mountain Home to the dam site is under way. The dam will be completed in 1,200 days after the contract is awarded, unless extensions are permitted.

Specifications and other information can be obtained at the office any United States district en-

Little Rock and Flood Control Projects.

The situation brought to public attention by a flood control report of Meet Friday the Pulaski County Planning Board is substantially this:

The lowlands to the east and south of the city have no more protection now than at the time of the great

The seawalls and levees that have

stream is relatively permanent. The bed is composed of rock and gravel airport.

dustrial areas and the Adams Field control and incidental benefits, and for extending the Soil Conservation

Failure to provide a right-of-way Service and Forest Conservation
Servation work, is expected to come true here
Fated Most Effective.

The North Fork has been recognized for many years as an impor
The North Fork has been recognized for many years as an impor
The North Fork has been recognized for many years as an impor
The North Fork has been recognized for many years as an impor
The North Fork has been recognized for the south lington hotel. The North Fork has been recognized for many years as an important flood-contributing tributary of the White river and a potentially valuable source of hydroelectric power, Colonel Scott said. The district engineer at Memphis, Tenn, included the Norfork reservoir in a group of eight reservoirs selected as being the most effective of 13 investigated in a report issued in 1930.

Power potentialities of the river were being investigated at the time. Site of the dam was selected after surface and subsurface investigated investigated in a report issued in the dam was selected after surface and subsurface investigated valuable surface investigated in a report issued in the dam was selected after surface and subsurface investigated valuable surface investigated in a report issued in the dam was selected after surface and subsurface investigated valuable surface investigated in the dam was selected after surface and subsurface investigated valuable surface investigated valuable source of hydroelectric power, Colonel Scott said. The district engineer at Memphis, Tenn, allocated. It is these two projects, allocated. It is these two projects, allocated. It is these two projects, and a previously rejected plan for and organization would bear more weight in Congress than individual states and organizations working alone.

W. C. McClure of Camden, secretary of the Ouachita Valley Association, pointed out that it was generally recognized as a regrettable fact that the Southwest, generally and the Ouachita valley, in particular, seem to be "trailing behind" others.

neers on the ground that anticipated gations. The dam is being designed so that generating facilities can be installed in the initial construction the expense. Since then, however, the of 500 delegates.

tion for flood control and other purposes, and requires that penstocks and other similar facilities for future power development be installed when approved by the sectratary of war upon the recommendation of the chief of engineers of the Federal Power Commission.

Storage Area Provides

Power, Flood Control.

America.

The character of the river has not changed since the Bluff Dwellers or Rock Shelter people inhabited the shallow caves along its course during the principal speaker from Texas, as Watershed Association, will be the principal speaker from Texas, outlet, to do away with construction with C. S. Clark, Austin, chairman of the chief of engineers of the state Board of Water Enging.

America.

The character of the river has not changed since the Bluff Dwellers or Rock Shelter people inhabited the shallow caves along its course during the end of the Ice Age. It is the same sing the principal speaker from Texas, outlet, to do away with construction with C. S. Clark, Austin, chairman of the chief of engineers of the state Board of Water Enging, cascading stream that furnished the principal speaker from Texas, and operating costs for flood gates of the state Board of Water Engineers, also on the program. and a pumping station, and by direc neers, also on the program.

neers District, will preside ever a public hearing here Thursday on possible modifications of the flood

Flood control

Auto Trip Saturday.

A motorcade to the site of the

receive much attention at the meet-

Four-State Flood Control

Democrat 1-5-41 Conservation and

Power Also to Be Hot Springs Topics.

The seawalls and levees that have Hot Springs—A dream of a Southbeen built on the North Side would in-western compact of volunteer citicrease flood heights on the Little Zens of Arkansas, Louisiana, Texas and Oklahoma, for promoting the orderly development of water re-

Dam on the Northfork

Construction of Large Dam and Lake for Combined Flood Control and Potential Power Development Is

Major Project in Baxter County.

By Tom Shiras

Gazette 1-5-41

Old timers in the Northfork river valley, in Arkansas and Missouri, have stopped scratching their heads and arguing about whether the Northfork dam will be built. Heavy power equipment now tearing at the rocks and dirt, leveling off road beds for a railroad and a heavy-duty highway from the town of Norfork to the damsite have convinced them that the dam is no longer a dream to argue about. They know now that within the next few years one of the 11 largest concrete dams in the world will stretch from one great bluff to another across this beautiful mountain stream, creating one of the largest clear water mountain lakes in North America. The dam will hold back an immense amount of flood water from the lower White river area, and if a power plant is installed it is expected to produce enough power in coming years to pay for the project.

The Northfork river is particularly adapted to both flood control and power development. It is fed by gigantic springs that break out from beneath high hills in Ozark county, Missouri, al it flows a larger volume of water during dry weather than the White, above the junction of the two rivers. The main stem rises in the town of Mountain View, Mo. Bryant's Fork, states its largest tributary, rises near Cedar Gap, Mo., emptying into the main stem near Tecumseh, in Ozark county, Mis-

It comes racing down out of Missouri into Arkansas, with a greater fall per mile than any other Ozark mountain after surface and subsurface investigations of the four narrowest sections of the gorge of the lower river channel. Detailed construction plans and specifications have proved by the United States Engi-ciation all plan to send large deleposition plans and specifications have proved by the United States Engi-ciation all plan to send large deleposition in the development of the description in the development of the description in the development of the development of the development of the four narrowest sections of the gorge of the lower river channel. Detailed construction plans and specifications have proved by the United States Engi-ciation all plan to send large deleposition in the development of the deve pools in the sharp bends. A rough, rocky bottom, on which small-mouth black bass live, feed and play in the limpid water. A river now full of music or as a second stage of construct government has undertaken a \$500, The Arkansas Flood Control Com- and lure to the bait and fly casters, tion after the dam is complete. 000 national defense improvement at mission will hold a business session. The present congressional authorization provides for the construction for flood control and other data and military consideration for flood control and other data and military consideration for flood control and other data and military consideration for flood control and other data and military consideration with R. E. Overman, Little Rock, with R. E. Overman, Little Rock, presiding.

hooks. It is the same river on which watershed a true picture of the power The reservoir will have a total storage capacity of 1,251,000 acrefeet, at spillway crest level. This will include a permanent power conservation pool, of 31,000 acrefeet. The capacity for flood control above the power conservation pool will be about 1,220,000 acrefeet. The flood control storage space will be utilized only in times of flood. The stored water will be released as quickly as possible without overflowing the river banks be
The reservoir will have a total tion of Congress the army engineers peak for the Ouachita Valley Aspeak for the Ouachita Valley Aspeak for the Ouachita Valley Aspeak for the Ouachita Valley Assence of the territory and the imand fish over a century ago. Reading are making a new study of the bayou sociation, on "The Voice of Arkands." Also scheduled to talk is Adolph Felsenthal, Camden. Gov. elect Home Adish have been invited. The River on which and fish over a century ago. Reading the Osage Indians used to camp, will and fish over a century ago. Reading the Osage Indians used to camp, will and fish over a century ago. Reading the Osage Indians used to camp, will and fish over a century ago. Reading the Osage Indians used to camp, will and fish over a century ago. Reading the Osage Indians used to camp, will and fish over a century ago. Reading the Osage Indians used to camp, will and fish over a century ago. Reading the Osage Indians used to camp, will and fish over a century ago. Reading the Osage Indians used to camp, will and fish over a century ago. Reading the Osage Indians used to camp, will and fish over a century ago. Reading the Osage Indians used to camp, will and fish over a century ago. Reading the Osage Indians used to camp, will and fish over a century ago. Reading the Osage Indians used to camp, will and fish over a century ago. Reading the Osage Indians used to camp, will and fish over a century ago. Reading the Osage Indians used to camp, will and fish over a century ago. Reading the Osage Indians used to camp, will and fish over a century ago. Reading the Osag

soil and water on this river. Several sawmills also ble manner take the place of stored public hearing here Thursday on possible modifications of the flood conservation problems of Arkansas were located along its course and these control plan for the St. Francis river.

on this river. Several sawmills also ble manner take the place were located along its course and these funds is water power. It follows that the program, with delegates reporting in good conditions in their district.

A. Hodgson, an early pioneer who of public concern." came from Kansas, and settled on Dry Creek, in Ozark county, Missouri, probably was the most active in the development of early day water power on the Northfork. Two of the mills he constructed years ago are still in operations.

A motorcade to the site of the probable of the Northfork Springs, will be headed Saturday morning by Col. C. S. Lynch, executive vice president of the Arkansas, and settled on Dry creek, in Ozark county, Missouri, probably was the most active in the development of early day water power on the Northfork. Two of the mills he constructed years ago are still in operations. the came from Kansas, and settled on Dry structed years ago are still in opera- county. tion. One of these is located at Hodgson The banquet will be held Thursday Spring, about 10 miles from Gainesnight. Vaudeville talent will enter-tain and a number of artists from Camden will appear.

ville, Mo., on Bryant Fork. This spring has a flow of 22,000 gallons per minville, Mo., on Bryant Fork. This spring McClure declared that invitations have been extended to the eight senators and 44 congressmen from the four states. He said representatives of the U. S. Engineers Corps of Little Rock, Tulsa, Vicksburg, Houston and New Orleans, the Farm Bureau, National Grange and other groups would be present.

annually. It is owned by the C. T. Aid estate.

The other mill is located at Dawt, Mo., about five miles from Gainesville, and now is owned by Charles Thompson. There is a dam about 300 feet wide across the river at this point that sends the water cascading through a narrow mill race to two turbines, each 45 horsepower. Flour and meal are produced at this mill, and Mr. Thompson also operates a store on the property. Dawt, Mo., will be the head of the huge lake created by the Northfork dam, but it is believed that the backwater will not come up far enough to flood the dam and mill.

These two mills are of a very substantial type and will stand as monuments to Mr. Hodgson, who died several years ago after an active and fruitful life. Another mill that he built was washed away by a flash flood. This one was located at Rainbow Springs, near Dora, Mo.

Baxter county, Arkansas also had its pioneer water power enthusiasts who operated mills on the Northfork river, below the Missouri line. Matt Calhoun is credited with building the first dam and installing the first water power plant in Baxter county, at Henderson. Older citizens of the county recall that this plant was built in the 60's and equipped with both a grist mill and a sawmill.

Jess Wolf and Joe Crunkelton built a dam across the river near the present Northfork damsite late in the seventies, and operated a grist mill there for a number of years. The abutments of this dam are still standing. Mr. Crunkelton later came to Mountain Home and installed a flour mill.

The first useful water power survey of the water power possibilities of the Northfork river, was made in 1909 and 1910 by W. N. Gladson, head of the Electrical Engineering Department in the University of Arkansas. It was sponsored by the Arkansas Geological Survey in conjunction with the United States Geological Survey. This survey covered not only a section of the Northfork river, but the White and Buffalo rivers also. The writer accompanied Mr. Gladson on many of his trips over the basin, and he recalls that there was a great deal of local interest in the project. It was this survey that gave the people of the upper White river

Thood invaded the outskirts El Dorado.

Others on the program include Wade O. Marton, chairman of the Louisiana Flood Control and Water Conservation Commission; J. H. McDonald, Muskogee, Okla., prominent in activities of the Arkansas Parkin, Ark., Jan. 3 (P). Lt. Col. James D. Andrews Jr., acting chief of Memphis United States Engineers District, will preside over a local model. The Northfork river as a potential power source. For years a large part of the Northfork river as a potential power source. For years a large part of the flour and meal that went into bread during pioneer days in Ozark county, Missouri, Baxter county, Arkansas, and adjoining counties was ground by water power mills located able energy that can in any appreciaground by water power mills located able energy that can in any appreciabounds of any state becomes a matter

The three big springs that furnish a large part of the water to the Northfork river are among the largest and most beautiful in the Ozark mountains. The water, while clear, carries a pale blue tint, that reminds one somewhat of flowing, blue sky. They are the Rainbow, or Double Springs, the Hodgson Spring and Blue Spring, all it produces a large amount of flour in Ozark county, Missouri. Driving out

of Gainesville, Mo., over well maintained gravel highways, to these beautiful waters, is one of the most interesting scenic drives in the Missouri Ozarks. The country is broken, the Ozark Knobs are numerous and much higher than in other sections, and if one makes the trip in October or early in November, the entire landscape, which is wooded, is a blaze of autumn

Rainbow, or Double Spring, is the largest of the three. It is located about five miles from the little village of Dora, on a 1,400-acre tract of wilderness, owned by B. O. Mahaffey of St. Louis. It is strictly private property.

The main spring comes out from under a high mountain, and flows two ways into the Northfork river. Standing there and watching this sky-blue water flowing two ways into the river from the same source, one can hardly understand it. This spring has a daily flow of 123,000,000 gallons every 24 hours, and it is the biggest guarantee that the Northfork river will never go dry. A river that seems to be fully as large as the Northfork river itself flows from the main stream. The clear. blue water is full of watercress and other water vegetation. Gazing into its depths in the open places, one sees rainbow trout feeding and playing on the clean gravel bottom.

The other spring rises in a gravel bar in the middle of the Northfork river, a short distance above the first one. Strange to say, it too, flows two ways one stream into the main stem of the river, the other into a chute that flows around a tow head, or island formation originating in a sandbar.

Blue Spring is located three miles up the Northfork river from Rainbow or Double spring, and it flows a tremendous amount of water, no figures are obtainable on the exact flow.

Hodgson Spring, on which we commented previously in connection with Hodgson mill, comes out of a wide crevice at the foot of a mountain about 200 yards from Bryant's Fork, into which it flows. Because of the tremendous flow of water, no mill dam is necessary, the spring itself being the mill race. On its way to Bryant's Fork, it cascades over a beautiful low head dam. It is a favorite site for picnics and brush arbor meetings for neighborhood folks.

The combined flow of these three springs, which is approximately 250,-000,000 gallons a day, could hardly come from the Northfork watershed. The area as far back as Springfield, Mo., is badly broken underground, and the general opinion is that all or most of the underground water that collects in this area converges and discharges in these three big springs in Ozark county. There are numerous large springs on the lower river that help maintain the flow, but none as large as these three.







At the left are Col. Stanley L. Scott (left), in charge of the Little Rock office, United States Engineers, and Maj. Gen. Julian Schley, chief of the U. S. Engineers, on an inspection trip at the Northfork dam site.



Mill dam at the Charles Thompson mill on the Northfork river, Dawt, Mo.

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Specifications Prepared for Norfork Dam

Specifications for the Norfolk Dam, on which bids have been invited by the Little Rock District engineer office, were issued today and are contained in one of the largest binders yet issued for a flood control project in the district. The bids will be opened at 2:30 p. m. February 20 in the Hotel Marion ballroom.

The project calls for a concrete the project ca

ence on flood control and soil and water conservation at Hot Springs
Thursday and Friday were named today. Many business men and farmers from this county also are expected to attend. John L. Mc
Ciallen of Congress was asked to appropriate \$131,000,000 for federal aid highways. The amount was \$10,000,000 under that appropriated dur-Clellan of Camden will be general

will be toastmaster. Fred Brad-ford of Camden, chairman of the damaged or destroyed by floods or Board of Directors of the Ouachita other disasters. Valley Association, and W. C. Mc-

SHARP SLASH IN **FLOOD CONTROL**

Project Active.

FUNDS ADVISED

Gazette 1-9-41

dent Roosevelt called for a slowdown in flood control expenditures of 500 in the "G-Man" staff, which

on the lower Mississippi river and increase of \$278,000. its tribundaes, a reduction of \$8,-000,000 under current year expenditures. He suggested that the general flood control expenditure be reduced to \$70,000,000.

Appropriations Committee how the money would be used.

The budget message recommen-

ance with plans now in the office end, the initial request had skyof the chief of engineers here," and rocketed to \$17,692,227,930 in apof the chief of engineers here," and that funds would be made available for clearing Louisiana streams of

Rivers and Harbors Total Reduced to \$20,000,000.

Looking to the employment slump that might follow the defense program, President Roosevelt proposed a cut of \$12,392,270 in next year's appropriation for rivers and har-

For new work on rivers and harbors, he budgeted \$20,000,000. The current year's appropriation, in-cluding \$4,747,000 of an emergency fund set up by the Seventy-sixth Congress, is \$29,047,000. The new budget contains \$43,100,000 for maintenance of existing waterways.

This is a reduction of \$3,345,270.

Authoritative

stantial part of the \$20,000,000 would be required for projects already started. A fight to boost the budget item was expected in the House and Senate.

Fund to Complete Airport Program Asked.

orfolk The president asked \$33,500,000

ballroom.

The project calls for a concrete dam on Nork Fork of the White river, about five miles above their confluence, for flood control purposes with plans for later addition of power generating facilities.

As planned for flood control purposes, the dam will cost about \$16,000,000, but if power facilities are added the cost will be about \$27,000,000.

The specifications include 87 items on which the total bid will be based.

Candon Flood Control Marking to the specifications include 87 items on which the total bid will be based. work and it will be necessary to determine which projects should be Camden Flood Control Meeting
Delegates Appointed.

Special to the Gazette. 1-8-41
Camden, Jan. 7.—Delegates to Camden and Ouachita

determine which projects should a financed by each agency. All projects on the CAA program for the construction, improvement and repair of airports must be in the interest of national defense.

Federal Aid Road Total Of

Congress was asked to appropriate \$131,000,000 for federal aid highways. The amount was \$10,000,000 under that appropriated duration. This Chairman.

Camden entertainers will be on the banquet program Friday night.

Lamar Williamson of Monticello

Monticello

and an increase of \$5,000,000 to re
the present fiscal year. This was due to a reduction of \$15,000,000 for elimination of grade crossings and an increase of \$5,000,000 to re-

Clure will be on the program Fridain states to construct and maintain federal aid roads; \$15,000,000 for secondary or feeder roads, \$10,000,000 for elimination of grade crossings and \$1,000,000 for roads

through federal lands.

The 1941 appropriation for federal aid roads totaled \$99,990,000; for secondary or feeder roads \$15,-000,000, grade crossing elimination \$25,000,000 and roads through federal lands \$1,000,000.

Hot Springs National Park Would Get Increase.

Expenditures of \$5,181,380 for North Little Rock

North Little Rock

Project Active.

Expenditures of \$5,181,380 for work in national parks were recommended. The amount was \$217,100 more than that appropriated for the current fiscal year. Among amounts recommended for the next year and for the current year were:

Het Springer National Park Ark

Hot Springs National Park, Ark., \$77,890 and \$73,670.

Budget Allows Money For Washington, Jan. 8 (A).—Presi- 500 Additional F. B. I. Agents.

The budget calls for an increase in his budget message today. He already equals the 1,500 peak

submitted estimates for 1942 sharply below appropriations for the current fiscal year. Any projects not definitely in the defense category and not requiring immediate action, he said, should be deferred. The president recommended an appropriation of \$22,000,000 for work on the lower Mississippi river and already equals the 1,500 peak reached during the World war. The budget recommends \$16,450,000 for the Federal Bureau of Investigation, compared with estimated expenditures of \$13,990,000 during the current year. Of the total, \$8,750,000 would be earmarked for defense purposes, an increase of \$2,403,200, and \$7,500,000 would be for regular and emergency needs, an increase of \$278,000.

The president said \$10,811,314,600 would be needed for the second No attempt is made in the budget to itemize the expenditures to be made under the proposed appropriations for general and Mississippi flood control. This will be done when army engineers tell the House Appropriations Committee how the

money would be used.

It was said the flood control project at North Little Rock, Ark.
"shall be constructed in accordmitted a year ago. By the year's propriations, authority to contract and long range commitments for such purposes as a two-ocean navy.

Depending on the turn of events, some defense officials expect the comparable total to be even larger

of the proposed defense appropriations, the president recommended \$6,963,552,867 for the army; \$3,547,405,080 for the navy; asked \$225,000,000 for his emergency defense fund; \$33,500,000 for the selective service system; \$17,850,000 for the Defense Commission, and \$8,-750,000 for defense functions of the Federal Bureau of Investigation.

The president told the legislators more than \$2,000,000,000 additional would be sought for the most im-

Authoritative sources forecast Although there was no break- the immediate needs would require

for a much greater land force—possibly 4,000,000 men.

Although legislators asserted only the broadest details of the arms program, in relation to the British needs had been worked out, they said the army's program had not been greatly changed. They said the goal still was a productive capacity of 35,000 airplanes annually, about 6,000 tanks and the most

Flood Control Meet

will Begin Friday

The soil."

Mr. Caudle indicated a request will be made of the next legislature for a substantial appropriation for

W. C. McClure, Camden, secretary of the Arkansas commission, said the four-states meeting was called for the organization of a compact of volunteer citizens of Texas. Louisiana, Oklahoma and Arkansas for promoting development of water resources and soil and forest conservation in the Southwest.

Gazette 1-10-41 To Flood Conference.

Springs yesterday to attend the four state flood control conference starting today were Chairman R. E. States amounts to about \$840,000, Overman, Little Rock; M. W. Greeson, Prescott, and John P. Morrow, Batesville. C. S. Christian, nually, he said. commission engineer, accompanied

Blakely Dam Resolution Adopted

Special to the Gazette. 1-11-41

lose a congressman is to go through the thousands of acres of uplands and note the eroded condition of

convene here Friday for convene here Friday for soil erosion control. He said Arkana two-day meeting expected to draw large delegations from the area.

A pre-conference session of the Arkansas Flood Control Commission will be held tonight.

soil erosion control. He said Arkansas is "one of the leading states" in erosion control work, but no appropriation has been made to carry on this work.

Oklahoma, Texas and Louisiana, the three other states called to the conference, have not been derelict Mr. Caudle said. Oklahoma appropriates annually \$40,000; Texas, \$46,000, and Louisiana, \$25,000.

Erosion Losses Described.
Louis P. Merrill, regional conservator. Soil Conservation Service.
Fort Worth, Tex., said that in the four states represented "Erosion has ruined for further profitable group production more than 26 500. Arkansas Flood Control Commission members who went to Hot 000 acres, an area equivalent to

> Other Features of Meeting. John L. McClellan of Camden, former congressman, presided after noon. Henry W. Stanley, secretary-manager of the Hot Springs Chamber of Commerce, welcomed the delegates, and the Rev. Conrad

Glover, Sheridan, responded. A banquet was held tonight with Lamar Williamson toastmaster. Officers will be named tomorrow "Federal Authority" and States

GAZE River Development.
The bill introduced by Senators Miller and Caraway and Congress-Hot Springs, Jan. 10.—Residents man Ellis to create an Arkansas Valof the Ouachita river valley, at an ley Authority on the model of the open meeting under auspices of the TVA was opposed by Senator John-Arkansas state Flood Control Com-mission, here today adopted a reso-test from the Water Conservation lution urging the federal Power Board of his state. That body's chair-Commission not to renew or ex- man predicted that if the AVA legis-

closer to \$4,000,000,000, which would be requested within the next week or 10 days. It would include \$1,-000,000,000 for a year's operation of 500,000,000 for a year's operation of 500 bombing planes annually from parts prefabricated in automobile factories; \$400,000,000 for new munitions plants and about \$1,600,000,000 for new munitions plants

federal Power Commission had allowed more than a year to pass without taking any action regardwithout taking any action regardresources of the Tennessee riverresources of the Tennessee rivering the company's request.

A proposed amendment to the resolution, requesting the A. P. and L. to set a date when work would start, was defeated.

Among those who spoke in favor of the amendment was Adolph Felsenthal, Camden, one of the early advocates of hydro-electric dams on the Ouachita.

Tesources of the Tennessee river and tributary streams. They don't seem to be rising up against subjecting the Tennessee basin to a creature of federal enactment. They seem mainly concerned to keep this great federal creature undertaking new jobs in extension of the TVA protection.

The main question of national resources to avoid an other-wise certain slack period."

An effort by delegates to educate the people of their states to the need for flood and soil erosion control was urged by Jesse Wright, Corpus Christi, Tex., a member of the executive committee of the Texas was defeated.

Watersheds Association.

advocates of hydro-electric dams on the Ouachita.

Secretary W. C. McClure of the state commission, replying to a state ment made by Mr. Jones that electric rates under the TVA were lower than those of the A. P. and L. averaged less than two cents a kilowatt hour.

Bull Shoals Site

Democrate and the Mydro-electric dams on the Ouachita.

Secretary W. C. McClure of the state commission, replying to a state commission, replying to a state ment made by Mr. Jones that electric rates under the TVA were lower than those of the A. P. and L. averaged less than two cents a kilowatt hour.

Bull Shoals Site

Democrate TVA promoters and question is how to gram.

When the Colorado Water Board spokesman says the proposed AVA is an attempt to wipe out state lines were can get more people to see and understand this problem, we are heading for a lower standard of living."

Bull Shoals Site

Democrate TVA promoters and question is how to gram.

When the Colorado Water Board statement with the Question of reaching the man who doesn't know about it. Unless we can get more people to see and understand this problem, we are heading for a lower standard of living."

Bull Shoals Site

Democrate TVA promoters are within water when the Colorado Water Board the people of the area," he declared, "It's spokesman says the proposed AVA is an attempt to wipe out state lines are writ in water when water control is understand this problem, we are heading for a lower standard of living."

Secretary W. C. McClure of the state commission, replying to a state commission, replyin

water control is understaken.

The Bull Shoat dam site on White and Part an

In the Making

Committee Headed By Overman Named

At Four State Meet 1

Democrat Hot Springs A permanent organization, composed of citizens of Arkansas, Texas, Louisiana and Oklahoma, formed for the purpose of promoting the development of water resources, soil and forest conservation and other allied matters in the Southwest, was in the making today.

At Four State Meet 1

Little Rock district engineer, said yesterday. He said all projects in the district, except one, were on schedule. Nimrod dam is scheduled for completion early next fall.

The Blue Mountain outlet works is slightly behind schedule because of weather delays and changes in plan, which will delay its completion. It is about 20 per cent finished.

sa, Okla.; Mike Martin, Muskogee, Okla.

Ten representatives from each state will be selected by the two committeemen of that state to form a 40-member board. This board will be called into session by Chairman Overman at some later date for the purpose of selecting officers of the compact, naming the organization, and deciding upon methods of financing the four-state organization's activities.

Aims of the body were set up in

Aims of the body were set up in a resolution adopted by the conference as follows:

"That every river watershed of Arkansas, Louisiana, Oklahoma and Texas be authorized by Congress for survey by the Departments of Agriculture and of War to determine the feasibility of, and economic justification for, comprehensive co-ordinated programs of water, soil and forest conservation, paying time. and forest conservation; navigation,

Of Schedule

being built on Fourche la Fave River. Says Power Cheaper Than That in Perry County, is 45 per cent com- Of TVA Should Be Possible. ahead of schedule, Maj. T. F. Kern.
Little Rock district engineer, said
yesterday. He said all projects in
the district, except one, were on
schedule. Nimrod dam is scheduled plete and is two or three per cent

Actual machinery to set the organization into motion was completed here Saturday at the Arlington named a temporary committee to perfect the formation of the compact.

The committee, composed of two members from each state, follows: V. C. Marshall, Temple, Tex.; C. S. Clark, Austin, Tex.; R. E. Overman, Little Rock, Ark., chairman; John P. Morrow, Batesville; J. T. Lee jr., Baton Rouge, La.; W. H. Hodges jr., Elm Grove, La.; N. R. Graham, Tulsa, Okla.; Mike Martin, Muskogee, Okla.

The is about 20 per cent finished.

Major Kern said the Clearwater outlet works are about 30 per cent somplete and is proceeding about on schedule.

Major Kern said the Clearwater outlet works are about 30 per cent somplete and is proceeding about on schedule.

The railroad and access road from North Fork of White River are about 50 per cent complete and the government village, being built at Mountation of this authority."

Among projects which would fall to the supervision of the authority would be the \$42,290,000 Denison reservoir on the Red river in Texas and Oklahoma, the proposed \$27,000,000 Bulls Shoals and the proposed \$37,000,000 Table Rock, the \$15,451,900 Conchas reservoir on the Grand river in Oklahoma.

The valleys of the four rivers proposed for harnessing in a uniformal proposed for harnessing in a unifold work. Bids for construction of this authority.

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The valleys of the four rivers proposed for harnessing in a unifold river in Oklahoma.

The valleys of the four rivers propo

AVA NECESSARY Opposition To IN SOUTHWEST, AVA Bill ELLIS ASSERTS Organized

Urges Passage Of

Legislation.

Gazette 1-25-41

Washington, Jan. 24 (A). - The

the present emergency, except for those projects vital to the national defense, the authorization itself is

Gazette 1-26-41

Washington, Jan. 25 (AP). -Western representatives who voted today for a committee to study the Supreme Court's decision in the Appalachian power case may also ask a study of a bill proposing an Arkansas Valley Authority modeled after the TVA.

Clifford H. Stone, Colorado Water

Conservation Board director, discussed the bill to create the authority, recently introduced by Rep-Washington, Jan. 24 (P). — The waters of the Arkansas, Red, White and St. Francis river basins "are bleeding unto death the very heart of the great Southwest," Representative Ellis (Dem. Ark.) told the south of the great Southwest, Representative Robinson (Dem., Utah), chairman of the Western south and the committee said here.

The legislation would create a three-member board to administer a program of production and distribution of power, flood control, navigation, drainage, reforestation, irrigation and soil control.

The agency would take over reservoirs already under way in the four basins and three dams which would be authorized under the legislation, Bull Shoals in Arkansas, Table Rock in Missouri, both on the White river, and the Narrows reservoir on the Little Missouri in Arkansas. Arkansas.

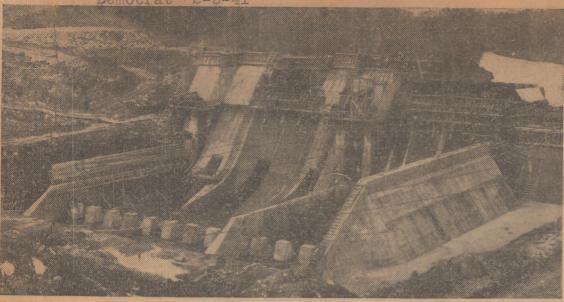
In all, Ellis said, the authority get Committee. The budget and the commission's proposed 1941-42 program will be discussed with Governor authorized or recommended. Together they would provide 17,555,800 acre feet of flood

power and transmission facilities, \$4,387,000; interest during construction, \$2,000,000, making a total of \$40,000,000. If the dam should be built as a dual purpose dam, the annual power value would be \$1,403,000 and the annual flood benefits, \$1,452,900, a total of \$2,856,300. Deducting the annual fixed operation costs, placed at \$1,01,200. Every effort is being made in this and other sections to get this dam built. It would be one of the largest power projects in the middle west, power projects in the middle power projects with the power projects with power projects

Democrat 1-19-41 Construction on the Nimrod dam,

necessary now, and every day that passes is too late. President Roosevelt has on several occasions lately on his own motion expressed keen

Nimrod Dam Construction Ahead of Schedule



Nimrod Dam, being built on Fourche la Fave in Perry County, is expected to be completed five months ahead of schedule if the present rate of construction is maintained, Maj. T. F. Kern, Little Rock district engineer, said yesterday.

The government contract calls for completion by March 1, 1942, but the contractor has estimated the project will be finished by October 1. It is about half completed now.

October 1. It is about han completed now.

The progress of construction is noted in the accompanying picture, showing a portion of the stilling basin and spillway surface on the downstream side of the structure. In the lower

Elimination Of Floodways AVA From Proposed

Gazette 2-5-41

Washington, Feb. 3 (A).—Legislation which he said would "sound the death knell" of the Boeuf and Eudora floodways "and any other diversion channel between the mouths of the Arkansas and Red rivers" was proposed today by Senator Overton (Dem., La.)

"My bill," Overton said, "provides for the readjustment building

vides for the readjustment, building up and strengthening of all the main line Mississippi river levees above the Arkansas and below the Arkansas down to approximately the mouth of the Red river. It specifically provides for a net grade in levee construction from the Ar-kansas down to near the mouth of

part of the structure are openings for the controlled outlets through the dam, near the lower part of the spillway surface.

Breaks Force of Water.

In the foreground is a portion of the stilling basin which will serve to break the force of the water after it comes through or over the structure and before it flows on into the natural bed of the river. A row of baffles, nine feet high, is located at the lower edge of the stilling basin and at the right edge is the outer training wall.

The training walls are designed to keep the water from spreading out of the bed of the stream and causing possible ero-

Ellis Defends Carr's Attack

Gazette 2-5-41

Washington, Feb. 3 (P).—Representative Ellis (Dem., Ark.) told the House today Governor Carr of Coloredo opposed opposed to the first content working narm on anyone."

"I know what this is all about," Carr said. "I am suggesting intelligent development with protection for the irrigation states." the House today Governor Carr of Colorado opposed an Arkansas Valley Authority because of a "pseudo fear that it would disturb the water rights of his great state."

Ellis said he had been advised Governor Carr "has taken it upon himself to declare a state of civil war and has asked the governors."

The two conferred with Maj. T. F. Kern, district engineer, and Capt. J. R. Crume Jr., engineering officer who accompanied them on the inspection trip, at Major Kern's office yesterday afternoon.

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war and has asked the governors of 16 Western states to join him in what he unfortunately calls a 'bloodless civil war' against the proposed Arkansas Valley Authority.

the Red river of sufficient height as to give safe protection against what is known as the 'project' or super flood."

Arkansas Support Claimed.

Louisiana and Arkansas flood control legislation relating to the lower Mississippi valley is disadvantageous to them and in favor of the territory on the opposite side of the Mississippi.

"It is evident from what he says Governor Carr is either misinformed as to the broad purposes of the Arkansas Valley Authority and the good that would come of it to the people of Colorado, or he has become the mouth-piece of the power trust."

The legislation would set up an authority similar to the Tennessee Valley Authority with responsibility for controlling waters of the Arkansas Valley Authority and the good that would come of it to the people of Colorado, or he has become the mouth-piece of the power trust."

Sion until it is past the structure. Smaller walls are constructed in the stilling basin itself.

Immediately beyond the left training wall is the cofferdam which holds back water in the stream now. As soon as the first section of the dam is built high enough, the cofferdam will be closed, to permit work to be carried on behind it. Water in the stream then will flow through the outlets in the dam.

New Procedure Used. New Procedure Used.

New Procedure Used.

A new procedure was used in construction of the forms for the concrete, according to H. V. Pittman, principal engineering assistant to Major Kern, in adoption of a special type of celotex for the interior surfaces of the forms. The resulting forms were smoother and the use of celotex now has been placed in the specifications for the Norfork Dam.

The new surfacing material

The new surfacing material was used on the spillway and the sides of the training walls into which the water will come in contact.

fit without working harm on any-

Miles of New Mexico had notified 1938 and for which \$25,000,000 was him they would attend a meeting appropriated. Although this sum in Denver Friday to discuss the will be exhausted in construction proposed Arkansas Valley Author- of Norfork and Clearwater dams,

"It is evident from what he says AVA PROPOSAL overnor Carr is either misinform." SAID 'LOGICAL' BY PRESIDENT

the Eudora floodway," Engineer C.

S. Christian of the Arkansas Flood
Control Commission said yesterday.
In view of information now on hand, "we think Senator Overton (Dem., La.) is right" in introducing a bill to abolish the proposed floodway, Mr. Christian said.

The cut-offs would have lowered the 1927 flood stage at Arkansas City by 11 feet, he said. There are 13 cut-offs between the mouth of the Arkansas river and the mouth of the Red.

Mr. Roosevelt indicated that the rumors probably grew with some confusion out of the old expectation not suggesting civil war nor am 1 living in Civil war times." In an attack on the AVA before the legistory in introducing lature, he said such proposals brought Western states "to the verge of a bloodless revolution." The governor said Representative Ellis "should know that in calling this conference I did not want simply to oppose the bill, but to find an alternative plan that will make it possible for people to bene-

Arkansas Watershed Logical for Project.

The president said it was thought that the Arkansas watershed was a proper and logical one for developproper and logical one for development, since the river ran from the middle of Colorado to the Mississippi, and presented 10 or a dozen separate problems. Some places, he said, are drought and flood areas, and along the river all kinds of crops are raised from cotton to cat-

Then when the development of the Columbia Basin was under-taken, including the watershed that extends to Puget Sound, Mr. Roose

Flood Board Will Discuss AVA With Adkins.

The Arkansas Valley Authority is one of the topics which the state Flood Control Commission expects

Lone Rock Dam Plans Approved

The legislation would set up an of the territory on the opposite side of the Mississippi. Overton, president of the Mississippi. Overto

Ellis Answers

Criticism of

Charges Delegates To Denver Meeting **Favored Power Trust**

By TREMAIN ROBINSON.

velt said the idea of developing the entire watershed arose there.

At present, he asserted, the matter of creating authorities for the development of both the Arkansas and Columbia watersheds is being discussed at the capitol.

By TREMAIN ROBINSON.

(Democrat Washington Bureau)

Washington — Attacking Friday night's 17-state meeting called by Gov. Ralph Carr in Denver, which voted opposition to the Arkansas Valley Authority plan, Rep. Clyde T. Ellis charged yesterday that "the delegates in their enthusiasm to do the bidding of the power companies." the bidding of the power companies ran away with the meeting and condemned any effort on the part of the federal government to bring cheaper power to the people of the West."

is one of the topics which the state
Flood Control Commission expects
to discuss with Governor Adkins at
a conference scheduled for tomorrow. The governor, who was in
Washington early this week, said
President Roosevelt has shown
much interest in the proposal.

Lone Rock

West.

In a statement in the Congressional Record, Ellis, who is the author
of the AVA legislation, pointed out
that the Denver conference of Western states went on record as opposing the creation of power yardsticks
anywhere west of the Mississippi and
the AVA in particular. He commented also, on the alternative proposals
approved by the conference.

The first he noted is to co-ordi-

The first, he noted, is to co-ordinate activities of federal agencies engaged in developing water resources and commented that this is "exactly" what the AVA legislation would do, except that it also includes future development of the rivers.

U. S. Aid Recalled.

Gazette 2-7-41

Plans of the Little Rock District, United States Engineers, for construction of Lone Rock dam on the Buffalo river, were approved yesterday by two engineering consultants after they had inspected Lone Rock and Water Valley dam sites Tuesday and Wednesday.

The consultants, W. H. McAlpin of the Office of the Chief Engineer, Washington, D. C., and J. B. Justin, member of a private engineering firm at Philadelphia, recommended additional study of the Water Valley site on E'cven Point river.

The two conferred with Maj. T.

Under the reclamation la acted in 1902, the Bureau of matron was created as a division was created as a division was created as a division to pojection yet on any question of state's rights, for since the passage of the reclamation act in 1902, the Bureau of state's rights, for since the passage of the reclamation act in 1902, the Bureau of matron was created as a division was assigned to reclamation. Surely they are not opposed to the federal government is doing it now and proposes to bring them even greater assistance.

Power Trust Raid

"In the Was Not Consulted.

Under the reclamation la acted in 1902, the Bureau of matron was created as a division was created as a division was created as a division to pojection yet on any question of state's rights, for since the passage of the Department of the Interior was created as a division to passage of the reclamation act in 1902, the Bureau of matron was created as a division to passage of the reclamation act in 1902, the Bureau of matron was created as a division was created as a division to passage of the Passage of the Department of the Interior Department of

The truth of it is," Ellis declared, "that the Denver meeting fathered by Governor Carr is the first power trust raid in what Governor Carr himself last week called 'a bloodless civil war.' If Governor Carr would declare a civil war on the high power rates of his own state instead of declaring it on an effort to develop his own state and the West, he would make himself immortal in the pages of

appropriated. Although this sum will be exhausted in construction of Norfork and Clearwater dams.

Major Kern said, the engineers will proceed with plans for other dams.

Office Opens Bids On

1,200,000 Barrels of Cement.

Bids were opened at the office yesterday for 1,200,000 barrels of Portland cement to be used in construction of Norfork dam on the North Fork river. Eight firms sent in bids to supply part or all of the cement.

Bids were opened at the office yesterday for 1,200,000 barrels of Portland cement to be used in construction of Norfork dam on the North Fork river. Eight firms sent in bids to supply part or all of the cement.

Colorado Governo

Control Of The AVA

Special to the Gazette. 2-9-41 Washington, Feb. 8.—The Miller-

Ellis bill, creating an Arkansas Valley Authority, is headed for a

rough voyage.

The fight looms over whether the authority shall be created as a separate governmental unit along lines of the Tennessee Valley Authority is being operated, or shall be designated as a division of the Department of the Interior. Secre-tary Harold Ickes believes that to include in AVA territory portions designated nearly 40 years ago by Congress as "reclamation areas" without giving his department direction over the agency would be an invasion of the department's prerogatives.

Even though President Roosevelt has told congressional leaders and Governor Adkins of Arkansas that he favors creation of the authority as a separate governmental unit, Mr. Ickes has let it be known that he will not surrender the so-called "reclamation territory" to development by another agency without a fight, or unless President Roosevelt calls him off in unmistakable terms.

Representative Clyde Ellis, who introduced the bill in the House, be-lieves that the authority could obtain best results in the proposed development of hydro-electric pow-er and other resources of the Mid-Southwest which it would serve by operating on the same basis as TVA. He says that TVA has demonstrated the wisdom of such a plan. Mr. Ellis has the support of President Roosevelt, and of Sena-tor George W. Norris of Nebraska and Representative John E. Rankin of Mississippi, co-authors of the TVA program, in his plans to create AVA as a separate agency.

Ickes Indignant That

Under the reclamation laws en-acted in 1902, the Bureau of Recla-matron was created as a division of the Department of the Interior. The bureau was assigned to reclamation bureau was assigned to reclamation activity in territories and states "west of the 100th meridian." States included in the proposed AVA program are New Mexico, Colorado, Kansas, Oklahoma, Texas, Missouri, Louisiana and Arkansas. Only Louisiana and Arkansas and Missouri are not included in territory over which the Interior Department has reclamation supervision.

Secretary Ickes first saw a copy of the AVA bill when Representative Ellis circulated it among members of the cabinet after it had been drafted in the offices of TVA. Indignant that he had not been consulted, he went to the president with a request that the legislation be amended to place the authority under his department.

Obviously Mr. Roosevelt advised Mr. Ickes that since the AVA pro-gram contemplated development in fields far greater than that describ-ed by Congress as reclamation, he could not approve the secretary's suggestion. The president has simi-larly advised Senator Norris, Representative Rankin, members of the Arkansas delegation when they called upon him recently and Governor Adkins. He also indicated his position to newspapermen at his press conference when he hinted that the proposed AVA is part of a New Deal to develop the natural

The committee report received by the Chamber of Commerce here, will be submitted to the national organization at its next annual

meeting.
The committee said:

"Aside from other consideration of national policy, it would be unwise at this time, when the country is faced with the necessity of heavy outlays for national defense, to divert capital, manpower, engineering talent, construction and manufacturing equipment, to proj-

"As for the rights of states on the interstate rivers or streams, there is no recognition of the great and just principle supposed to govern the legal relations between the states where they are on the same stream—namely, that each state has a right, for the benefits of its people, to a fair or equitable share of the waters of the common interstate supply, that share to be diverted among the water users of the particular state in accordance with whatever water law the state maintains. The evident strategy maintains. The evident strategy opened. of those who incline toward federal control of the field of our natural resources is to subdue the various basins of the country one by one, lake with a surface area of 1,680 and thereby all states."

Nimrod Dam May Be Completed in October. time willage.

March 1, 1942, to October of the installed in the dam but installed year, Maj. T. F. Kern, district engineer for the Little Rock District, United States Engineers, said yesterday. Night work is speeding up construction.

The dam, constructed by Russ

control and for future installation tric Supply Corporation, Little of reinforcing steel and of power turbines. Construction Rock; Truscon Steel Company, of miscellaneous metal. of power turbines. Construction Rock; was started in May, 1940.

Bids Due On Norfork Dam Thursday

Gazette 2-16-41

entire nation on construction of Francisco, and Dravo Corporation, the 2,624-foot long Norfork dam on Pittsburgh, Pa.

mately \$10,000,000, will be a 220foot high structure which will store
1,251,000, page-feet of trailing and the store

50-Mile Shoreline.

The dam, which will be five miles northeast of Norfork, will create a acres and a shoreline of 50 miles. It will require three years to complete and the workers during that time will live in the government

Date for completion of Nimrod dam on the Fourche La Fave river has been tentatively advanced from June, 1938. The penstocks will be

ing up construction.

The dam, constructed by Russ
Mitchell, Inc., and Brown & Root,
Inc., joint contractors, is approxithe dam. The Arkansas firms were: mately 50 per cent complete. A total of 50,000 cubic yards of concrete has been poured and 500,000
pounds of reinforcing steel have
been placed.

The dam will be used for flood
The dam will be used for flood
central and for future installation to the capture of the control and for future installation to the capture of the capture Little Rock; Standard Brake Shoe & Foundry Co., Pine Bluff, and Nevil C. Withrow Co., Little Rock.

Among large firms throughout the nation requests for specificathe nation requests for specifica-tions were received from Mittrey Bros. Construction Co., Los An-geles; Morrison-Knudsen Co., Inc., Boise, Id.; Brown & Root, Inc., Marshall Ford Dam, Tex., joint contractors for Nimrod dam, now under construction; United Construction Co., Winona, Minn., con-tractors for Clearwater dam in Mis-Bids from contractors over the souri; Utah Construction Co., San

the North Fork river in Baxter county will be opened by the Little Rock District Office, United States Engineers, Thursday afternoon. The dam, which will cost approxi-

engineer February 6 on 1,200,000 barrels of cement for use in the dam. The bids have been referred to the office of the chief of engineers for approval.

The principal items of 87 listed in the specifications for the dam in-clude 550,000 cubic yards of common excavation, 290,000 cubic yards of rock excavation, 102,000 lineal feet of core drilling, 1,470,000 cubic yards of cement, approximately 1,800 tons of reinforcing steel and 2,700 tons

NORRELL SEEKS **HOUSE BACKING** FOR FLOOD BILL

Would Raise Main It would appear, Norrell asserted that Congress intended to be sure southeast Arkansas and Louisiana constitute a dumping ground Levees.

Gazette 2-17-41 Washington, Feb. 16 (P). — The Agi, T. F. Kern, district engineer, and Maj. John R. Crume Jr., en
Maj. T. F. Kern, district engineer, and Maj. John R. Crume Jr., en
Maj. T. F. Kern, district engineer, and Maj. John R. Crume Jr., en
Maj. T. F. Kern, district engineer, and Maj. John R. Crume Jr., en
Washington, Feb. 16 (P). — The people of Arkansas, to use the words of Representative W. F. Norrell, are anxious to remove the threat of legislation which would the levees of the neighbors to the north, south and east of the river."

Norrell, said that "undoubtedly"

ests undertaken ostensibly for national defense that cannot afford day from an inspection of the data and defense requirements."

"As for the rights of states on the interstate rivers or streams, there is no recognition of the great and just principle supposed to govern the states where they are on the same stream—namely, that each state has a right, for the benefits of its people, to a fair or equitable share of the waters of the common interstate supply, that share to be discovered to the waters of the common interstate supply, that share to be discovered to the waters of the common interstate supply, that share to be discovered to the waters of the common interstate supply, that share to be discovered to the waters of the common interstate supply, that share to be discovered to the waters of the foodway plan would afford ways and raise levee heights in open day from an inspection of the data and pround" for flood waters of other states as "dound a ppropriation of the lower valley, but would "save millions of dollars" in cost of the program and "prevent the ballroom of the Hotel Marion by Maj. T. F. Kern. Little Rock district for its dedication to floodway purposes of approximately 2,000,000 acres of approximately 2,000,000 acres of turne installation of over generally in the believed the landowners would not defense that cannot afford any from an inspection of the data a railroad purpose to the ballroom of the Hotel Marion by Maj. T. F. Kern. Little Rock district for irrigation.

H. V. Stroh, Stuttgart, believed the landowners would not other class of other would "save millions of dollars" in cost of the program and "prevent the ballroom of the Hotel Marion by Maj. T. F. Kern. Little Rock district for irrigation.

H. V. Stroh, Stuttgart, voluction of the program and "prevent the dedication to floodway purposes of approximately 2,000,000 acres of the would be opposition of the lower district for irrigation.

H. V. Stroh, Stuttgart, voluctio

would "save millions of dollars" in the first to be constructed by army engineers in the comprehensive in the Senate.

The permanent conservation pool, will form a lake of 1,680 acres with a 50-mile shoreline.

The gament conservation pool, will form a lake of 1,680 acres with a 50-mile shoreline.

The dam and reservoir will be the first to be constructed by army engineers in the comprehensive in the Senate.

Under the flood control system for the White first to be constructed by army engineers in the comprehensive in the Senate.

Work now is under way on a highway and railroad from Norfork to the dam site, about five miles both of which are expected to be complete late in the fall of 1944.

Work now is under way on a highway and railroad from Norfork to the dam site, about five miles both of which are expected to be complete late in the fall of 1944.

Work now is under way on a highway and railroad from Norfork to the dam site, about five miles both of which are expected to be completed by the Bott for the floodway in the mild seed to the Bout five mouth of the Agranos of the Senate.

Bids were received by the district engineer February 6 on 1,200,000

States.

The medinter Month congressman reviewed problems of the lower Mississippi inver look of which are expected to be constructed by army engineers in the comprehensive in the serving capacity of the Mississippi river flood water in the Mississippi river flood way.

Work now is under way on a highway and railroad from Norfork to the dam site, about five miles both of which are expected to be constructed by the district engineer February 6 on 1,200,000 to the project. The cost of lever the floodway Could Be Built.

As the act now stands, either the lower Mississippi in the Senate.

Bids were received by the district engineer february 6 on 1,200,000 to the construction of the river walley in a statement of costs of the carrying capacity of the Mississippi river flood water was the flood decident of the Mississippi river flood water was the flood that the missi

eastern Arkansas below the Arkansas river and run 10 miles wide and 10 miles long, embracing 850,000 acres of land in southeastern Arkansas and eastern Louisiana, and 50,000,000 pounds of superphosphate

books also authorizes that a fuse-plug section of levee in the vicinity of Cypress creek in Arkansas be iels explained. kept three feet lower than the main line levee grade.

Southeast Arkansas Wants Equal Protection.

for the surplus waters from the other states in the union and to that end not only authorized the

Norrell said that "undoubtedly" the old plan has been abandoned "in the minds of the flood control authorities, but it has not been abandoned by Congress, because the law actually remains upon the statutes and is today technically in operation.

The Overton-Norrell bill would authorize engineers, pending com-pletion of a final plan for flood control in the lower Mississippi valley, to revise main Mississippi river levees on both the east and west banks to provide equal freeboards. All plans for either the Boeuf or Eudora floodway would Boeuf or Eudora floodway would be forever abandoned as would the plan for the back-protection levee proposed for construction from the head of the Eudora floodway north to the Arkansas river.

Norrell said the bill did not au-

As the act now stands, either the Boeuf or the Eudora floodway could be built, the Eudora having subsequently been authorized as a substitute for the Boeuf.

The Eudora would begin in southeastern Arkansas below the Arkan-

In addition to proposed flood-ways, legislation on the statute to the farmers at no cash outlay

Greer's Ferry Equal Protection.

It would appear, Norrell asserted, Are Outlined

Conclussions were reached yesterfuse-plug and a spillway but pro-hibited our levees on the Arkansas Little Rock District Engineer, followday afternoon by Major T. F. Kern, Little Rock District Engineer, following a hearing on the Greer's Ferry
project on Little Red River, that
flood control and power is desired

rock and is expected to be completed in July. The John Kerns
Construction Company, contractors, employs 120 men at the dam from the proposed dam and reservoir but that irrigation facilities are not desired, due to the probable cost.

Major Kern conducted the hearing in the ballroom of the Hotel Marion with an enthusiastic crowd present from Heber Springs and other points in the Little Red River watershed.
Statements by Congressmen Wilbur D. Mills and Clyde T. Ellis and residents of Heber Springs water read

statutes and is today technically in operation."

He said the people of his district, especially those in Desha and Chicot counties, "feel they have suffered the consequences of this every detrimental and unfair, act long enough."

"They do not want another fuse-plug levee or another spillway," he said, "but they do want equallevee protection."

Norrell cited a resolution of the Flood Control Commission of Arkansas urging conversion of the fuse-plug levee in southeast Arkansas "into a standard levee of the 1940 grade and section and giving to all the property owners in the presently existing Boeuf floodway protection equal to that enjoyed by their neighbors."

The commission of protested construction of the proposed so-called back protection levee and said any effort to construct such a reservoir in southeast Arkansas would "meet with bitter opposition" and will prove as futile as were the efforts of the army engineers to secure flowage rights in the Eudora flood-way in Louisiana."

Would Make Main

Levees of Equal Height.

The Overton-Norrell bill would authorize engineers. pending com-

close of the hearing.

The conclusions reached by Major
Kern and read to the group were
concurred in practically unanimous-

The irrigation proposal would entail construction of a canal or irriga-tion channel for 87 miles from the Greer's Ferry Dam to the vicinity of Stuttgart and a distribution system

Norfork Dam

Gazette 2-20-41

Bids will be opened at 2:30 this afternoon at the Hotel Marion on construction of Norfork dam on the kansas and eastern Louisiana, and empty its water into one and a quarter million acres in the Red river backwater area. Either floodway, Norrell contended, would be equally objectionable.

"Although the Eudora was authorized in 1936," he said, "no work at all has been done toward beginning its construction."

In addition to proposed flood
kansas and eastern Louisiana, and 50,000,000 pounds of superphosphate and 25,000 tons of limestone would be used as conservation materials ty by Maj. T. F. Kern, Little Rock district engineer of the United States Engineers. The dam will be 2,624 feet long, 220 feet high and will form a lake with a 50-mile shoreline, capable of storing 1,
Austrian winter peas were used.

These materials were furnished through the AAA as grants of aid

Major Kern returned last night

Clearwater Dam Inspected. Major Kern returned last night from an inspection of the Clearwater dam on the Black river in southeastern Missouri. The intake structure at the upper end of the dam's diversion tunnel is nearly complete, he said.

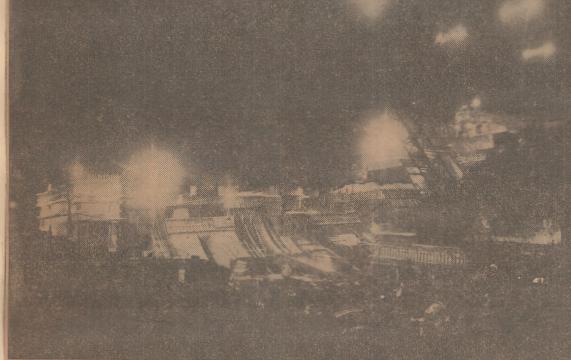
Work Being Rushed.
Work will begin the middle of Mork will begin the intude of July on the main structure of Blue Mountain dam on the Petit Jean river near Danville, Major Kern said. The dam will be a rolled fill earth embankment 2,700 feet long and 115 feet high, capable of storius 2500 care fort of water.

ing 258,000 acre-feet of water.

An outlet tunnel 20 feet in diameter and more than 1,000 feet long is being drilled through solid and the engineers have 27 men there for inspection.

Norfork Dam

Night Crews Rush Work on Nimrod Dam



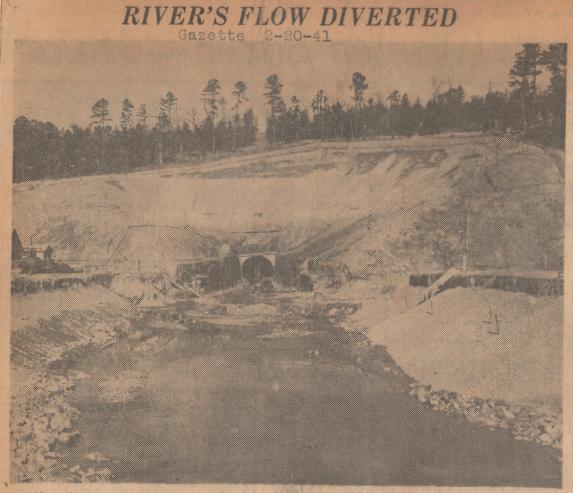
Night operation at the Nimrod Dam now under construction on the Fourche La Fave river in Perry County, by Russ Mitchell, Inc., and Brown and Root, Inc., joint contractors for the Army Engineers, is speeding up completion of this huge structure to the extent that the completion date has been tentatively advanced from March 1, 1942 to October. of this year. A full 24-hour work day was started three months ago in order to facilitate the pouring of concrete. Maj. T. F. Kern, Corps of Engineers, Little Rock District Engineer who inspected the project recently after being named to succeed Lt. Col. Stanley L. Scott, said the dam is about 50 per cent complete; 50,000 cubic yards of concrete and one-half million pounds of reinforcing steel hav-

pounds of reinforcing steel having been placed.

The dam will extend from a high bank on the north side of the river, shown in the accompanying picture which depicts the night construction work. The huge forms for concrete for the various stages of the work are shown throughout the structure while forms for training walls are located in the foreground.

Openings for the conduits are shown at the base of the dam at the left. They will be under the spillway over which excess water

will flow during times of flood. The training walls are placed at the sides of the spillway and stilling basin to prevent erosion of the river banks before the water resumes its way in the channel. The construction of this dam was authorized by Congress by the Flood Control Act of 1936. Construction was started in May, 1940. It is being erected as a dual-purpose dam for flood control and for future installation of trol and for future installation of power. Soon this structure will will start performing its



Above is shown the downstream end of an outlet tunnel under construction by the Little Rock District, United States Engineers, at Blue Mountain dam in Yell county. During construction of the dam waters of Petit Jean river will flow through the tunnel, and after the dam is completed the tunnel will be used in releasing impounded waters from the reservoir. When the reservoir is full the outlet works will be capable of discharging 7,938,000,000 gallons of water per day.

Calls Hearing

On Big Project
Democra 2-2041
Maj. T. F. Kern, Little Rock District U. S. engineer, today announced a hearing would be conducted at 10 a. m. February 28 in the Cotter High School gymnasium on the proposed Lone Rock Dam and reservoir on Buffalo River in accordance with various congressional authorizations to obtain information on any objections to plans for the project. The notice of public hearing said information also was sought of desires of local interests for any improvements along the Buffalo River, including hydroelectric power development. cluding hydroelectric power development.

The Lone Rock reservoir is one of

The Lone Rock reservoir is one of six authorized by the Flood Control Act of 1938 which approved a general comprehensive reservoir plan for flood control and other purposes in the White River basin. Although the reservoir has been approved for flood control purposes, additional funds must be authorized by Congress before it can be constructed. Power Project Proposed.

Power Project Proposed.

The Flood Control Act also authorizes the installation of penstocks for future power generating equipment in any authorized dam when approved by the Secretary of War upon recommendation of the Chief of Engineers and the Federal Power Commission. No authority has been given, however, for the installation of power generating equipment in any of the dams in the approved reservoir plan in the White River basin.

Senator Says Industry Would

Be Attracted by AVA.

Creeks flow into it. A large part of the watershed is in the thinly settled mountain sections of the north-Be Attracted by AVA. Gazette 2-23-41

Trinidad, Col., Feb. 22 (P).—Adequate electric power at reasonable rates would draw industry to the Arkansas Valley and increase and stabilize employment in the area, Senator Johnson (Dem., Col.) declared in an address urging valley residents to support a proposed Arkansas Valley Authority.

"Economic operation of existing facilities and adequate development of steam power resources in this area," he asserted, "can provide the needed power at the deviced intervals of the state. From its source to its mouth, however, it meanders through the richest part of the north Arkansas zinc and lead field, from which thousands of tons of zinc ore were mined and shipped during the World war.

Several Sites Considered.

The Lone Rock damsite proper is located 1,000 feet above the mouth of Buffalo river, where it empties into the White river. The exact location of the dam has not yet been determined. The United States engineers have been working on the

cause raw materials are locally available, products may be readily shipped to other parts of the country, and most of the area is distant from the coast."

Low Bid Of

Gazette 2-21-41

Knudsen Company of Boise, Ida.,

Arkansas, Kansas, New Mexico, Oklahoma and Colorado would be responsive, Johnson said, to large-scale power development projected by the AVA.

Johnson undertook a speaking Company of the Colorado would be responsive, Johnson undertook a speaking Company of the Colorado Colorado

campaign after Governor Carr, Republican, attacked the proposal as a threat to Western irrigation

Hearing On Knudsen Company of Boise, Ida, were apparent low bidders on construction of Norfork dam on the North Fork river in Baxter county, Maj. T. F. Kern, Little Rock district engineer of the United States Engineers, announced after opening of bids yesterday at the Hotel Marion. Their joint bid was 510,778,726. The second apparent low bid was by the United Construction Company of Winona, Minn., the Later of the United Construction and Construction and Crosse Dredging Corporation and Crosse of the Buffalo river sections. Lone Rock

A meeting of the state Flood Control Commission will be held at Cotter at 10 a. m. Friday, R. E. Overman, commission chairman, announced yesterday. The meeting will coincide with a hearing to be conducted by Maj. T. F. Kern, Little Rock District United States engineer, concerning the proposed Lone Rock dam on Buffalo river.

John I. Moore, chairman of the

Meet Friday.

said he will attend the meeting. Other members of the General Asto go to other states to seek good positions. Cheaper power rates and a more conciliatory attitude toward industry by our legislators would remedy this condition."

Asks Zinc Field Protection.

J. Henry Hand of Yellville, manager of the Mine Owners League, the commission to meet with them following the hearing.

Lone Rock dam is one of six projects in the White river watershed provided in the Flood Control Act of 1938. Expenditure of \$25,-000,000 was authorized by Congress at that time, and the cost of the Norfork and Clearwater dams will approximate that figure.

Dual Dams On

Buffalo River

To go to other states to seek good positions. Cheaper power rates and a more conciliatory attitude toward industry by our legislators would remedy this condition."

Asks Zinc Field Protection.

J. Henry Hand of Yellville, manager of the Mine Owners League, endorsed the Buffalo river dams as dual knowled flood the Rush Creek camp in Marion county, in which the largest zinc mines in the state are located.

All members of the delegation from the Springfield (Mo.) Chamber of Commence spoke. Dr. Meadors, president of the organization, endorsed construction of the Buffalo river dams as dual dams, asserting that more and cheaper power meant more industry for the Ozark section, and the future of the area lay in the figure.

Buffalo River

Louis Renny secretary of the organization of the Buffalo in the Green-wille of the Mine Owners League, endorsed to the Lone Rock dam being built to a height which would flood the Rush Creek camp in Marion county, in which the largest zinc mines in the state for the Mine Owners League, endorsed to the Lone Rock dam being built to a height which would flood the Rush Creek camp in Marion county, in which the largest zinc mines in the state are located.

All members of the delegation from the Springfield (Mo.) Chamber of endorsing this measure.

He said notice also would be served that the green will be held in McGehee, Ark, some to endorsing this measure.

He said notice also would the organization

Endorsed

thorized by the Flood Control Act of 1938, which set aside \$25,000,000 for initial construction and surveys. He explained that two plans for the Buffalo were being considered, one for a high head dam at the Lone Rock site, 3.6 miles above the mouth of the river, and the other for two dams one at the determined. The United States engineers have been working on the project intermittently for nearly two years. Several other sites have been tested. The last one was just above the bridge across the river on federal Highway 65 between Marshall and St. Joe.

> former Baxter county judge, was chairman. Donald Blackmon, sup-perintendent of Cotter schools, welcomed delegates, and the Rev. E. Floyd Conyers, Methodist pastor, gave the invocation. The Cotter band played, and women members of the Methodist church served a

The Utah Construction Company 000,000 originally set aside is being man and Mr. Overman. of Ogden, Ut., and the Morrison-used in the construction of the Knudsen Company of Boise. Ida., North Fork dam, the contract for

Meet Friday.

azette 2-25-4] in the Rush Creek district of Marion county. He also endorsed construction of Bull Shoals and Table

Lone Rock dam on Buffalo river.

John I. Moore, chairman of the Senate Flood Control Committee, said he will attend the meeting. positions. Cheaper power rates and

Special to the Gazette. 3-1-41
Cotter, Feb. 28. — A resolution asking that proposed dams on Bufasking that the Ozark section was much the same as the Piedmont section.

John Woodruff reported that south Missouri, like north Arkansaking that proposed dams on Bufasking that proposed dams

the mouth of the river, and the other for two dams, one at the Lone rock side and the other at the mouth of Mill creek, just above the bridge on Highway 65. Delegates endorsed both plans.

R. M. Routhven, Mountain Home, former Baxter county judge, was chairman. Donald Blackmon, superintendent of Grand Routh and the subject on White river when it held the license, and he believed it should be repaid in power or in cash. He cited figures he said proved that the Arkansas Power and Light Company was not short on power, and would furnish 5,000 ing will be largely attended.

The Eudora floodway is at the didly a contradiction to the provention and a recognized enemy of the ervoir-on-tributary program of prevention and water conservation of the McGehee more power for construction of the North Fork dam.

Clarence Vance of Buffelo. The contradiction to the provention and a recognized enemy of the advantages of headwater contradiction. It is expected the McGehee more prevention and water conservation and a recognized enemy of the advantages of headwater contradiction to the provention and a recognized enemy of the advantages of headwater contradiction to the provention and a recognized enemy of the advantages of headwater contradiction to the provention and a recognized enemy of the advantages of headwater contradiction to the provention and a recognized enemy of the advantages of headwater contradiction to the provention and a recognized enemy of the advantages of headwater contradiction to the provention and a recognized enemy of the advantages of headwater contradiction to the provention and a recognized enemy of the advantages of headwater contradiction to the provention and a recognized enemy of the advantages of headwater contradiction to the provention and a recognized enemy of the advantages of headwater contradiction to the provention and a recognized enemy of the advantages of headwater contradiction to the provention and a recognized enemy of the advantages of headwater contradiction to the provention and a re

Clarence Vance of Buffalo, F. J.
Smith and H. D. Morton of Mountain Home, Ed Mays of Leslie and Berry Floyd, Luther Cavaness and Sam Berry of Yellville, Robert Woods of Calico Rock and Dene Coleman of Batesville, also spoke.

Members of the Flood Control Commission attending were John

luncheon.

Major Kern said that the \$25,
Morrow, Mr. Christian, Layton Coff-

Congressman Ellis Telegraphs Adkins' Nod

of power generality equipment and the approved reaches and the construction as a food control project only or as a structure for the foundation of the formation of the configuration of the formation of the form Washington, Feb. 28 (R).—Congressman Ellis (Dem., Ark.) telegraphed Maj. T. F. Kern, district United States engineer attending

and will create a lake with a shoreline of 50 miles. It will include penstocks for possible future power generation.

Flood Control Commission To Meet Friday.

Gineer of the state Flood Control Commission, endorsed the two-dam plan for Buffalo and the idea of dual dams. He advised that the Lone Rock dam not be built so high that it would slood delivering to A. P. & L. in excess in the Rush Creak district of Meet. delivering to A. P. & L. in excess of what A. P. & L. is delivering to TVA is about zero."

Although the difference in on or the other may vary from week to week, the telegram continued. The TVA has called on the Com-monwealth and Southern and the "to help supply the additional pow er at Alcoa."

Southeast Arkansas Plans Fight on Mississippi's Flood Control Attitude

president of the organization, endorsed construction of the Buffaloriver dams as dual dams, asserting that more and cheaper power meant more industry for the Ozark section, and the future of the area lay in its industrialization.

Louie Repps, secretary of the organization, reviewed the development of the Piedmont section, which started with the development of water power and said that the Ozark section was much the same as the Piedmont section.

John Woodruff reported that south Missouri, like north Arkan-

"On the contrary this measure seeks to correcct an injustice inflicted for years by the 'fuse plug levee' in Southeast Arkansas, where the grade and section of a strip of levee is left lower and weaker than on the Mississippi side in order that when floods are the strip of the Cotter, Feb. 28. — A resolution asking that proposed dams on Buffalo river be dual purpose—(flood control and power)—was endorsed by 300 to 400 delegates from the White and Buffalo river basin at a hearing held by United States engineers here today. The resolution, offered by Judge Earl Berry of Marion county, recommended that power facilities be installed when the dams are constructed.

Is in the White river basin authorized by the Flood Control Act of 1938, which set aside \$25,000,000 for initial construction and surveys. He explained that two plans for the Buffalo were being considing for the Buffalo were being considing for the Buffalo were being considing the wild as the believed in the development of power in the White river basin because more and cheaper in dustries.

A. P. & L. Asks Return for Survey.

The Arkansas Power and Light Company was represented by Kenneth Johnson, H. P. Lindsey and L. J. Cooper. Mr. Johnson said that the Lone Rock project was one of six in the White river basin authorized by the Flood Control Act of 1938, which set aside \$25,000,000 for initial construction and surveys. He explained that two plans for the Buffalo were being considing for the Buffalo were being considerable that the Company spent about \$1,000,000 has been appropriate by Congress—a proposal for flood diversion, opposed not

ticello, member of the commission McClure said.

OVA Backers Hope For

Fate of Ouachita

Senator Byrd said that in addition to testimony from the three tate agencies, W. A. Delaney jr., ada, Okla., one of the owners of the Louisiana-Nevada Gas Co., would the theory in the company of the co the Louisiana-Nevada Gas Co., would offer technical information concerning the practicality of utilizing waste gas from the south Arkansas oil fields as fuel in a proposed steamgenerated power plant.

Would Build Blakely.

The authority would be empowered to build the long-planned Blakely Mountain dam, to construct a steam-electric power plant in the

When first introduced the measure proposed the development in only nine counties. An amendment submitted Thursday added eight more counties. The 17 counties to be included within the proposed authority now are:

in view of national defense in port, La., \$1,600.

Ouachita and Black rivers, Arbower demand, the authority could kansas and Louisiana, \$312,000. power demand, the authority could kansas and Louisiana, \$312,000. be expanded to include the narrows Examinations, surveys and conof the Little Missouri River, the tingencies, Vicksburg District, \$300,-Saline, and Caddo, if it were held 000.

Arkansas congressional representatives in Washington were wired an invitation yesterday to either attend the hearing tomorrow night or to communicate their attitudes regarding the proposal,

Arkansas river below Place Ortand Bluff, Ark., \$125,000.

White river, below Peach Ortand Bluff, Ark., \$125,000.

St. Francis and L'Anguille rivers and L'Anguille rivers and Blackfish Bayou, Ark., \$13,000.

White river, Arkansas, above Peach Orchard Bluff, \$30,000.

Plack river Arkansas and Mister of the compensation while in active work.

FOR INCREASED FLOOD OUTLAYS

Blakely Mountain dam, to construct a steam-electric power plant in the oil fields, and to take over by legal action properties of private utilities within the OVA area. Conscription of plans and engineering data of the Arkansas Power & Light Co., originally given authority to construct the Blakely Dam, would be authorized by the bill.

The possibility of an official of the Federal Power Commission testifying at tomorrow night's hearing was also indicated yesterday after Senator Byrd had communicated with Washington. Chairman Leland Olds said that he would announce tomorrow whether or not he was sending a member of the commission's staff.

Manganese Fight Figures.

Valley."

"Noteworthy progress has been made." the report said, "on the Morganza floodway, the Wax lake outlet, the Charenton drainage and navigation canal and related works. "Urgent main river work has been prosecuted and work on the tributary projects for headwater protection of the St. Francis and Yazoo rivers, including construction of the Wappapello and Sardis reservoirs, and backwater protection of the White river, has been pushed vigorously within the limits of funds available for such work. "Work accomplished on the adopted project for the alluvial valley of the Mississippi river has demonstrated its effectiveness by

Ava Could Take Over. Ever since Senator Byrd introduced his bill, there has been much speculation as to whether the proposal conflicts in any way with Congressman Ellis' proposed Arkansas Valley Authority. While Senator Byrd has maintained the proposal did not, there has been no definite indication from Congressman Ellis. It was learned yesterday that Senator Byrd will submit an amendment to the bill early this week which would empower the Arkansas Valley Authority to take over operation of the OVA, should it decide the two projects conflicted. The amendment, is is understood, is the result of communications between Senator Byrd and Congressman Ellis. When first introduced the measure of the could spend and bank protection in Memphis and Shelby County. An expenditure of \$4,500,000 on river and Mississippi river. Mississispi river.

Created.

more counties. The 17 counties to be included within the proposed authority now are:

Saline Hot Spring, Clark, Dallas, Calband, Bradley, Ashley, Pike, Columbia, Garland, Hempstead, Layerte, Miller, Montgomery, New Colu

other necessary appurtenances; to divert waters from streams by canals; to build and maintain power dams; to manufacture and dis-tribute water, steam electric, and hydro-electric power; to reclaim Arkansas river below Pine Bluff, and drain swamp lands; to borrow

Black river, Arkansas and Mison will be in active work. The commission would appoint a federal work with that of the federal government of the feder

DELAYS REPORT ON OVA PLAN

telegrams from Senators Caraway in its development," and Miller and Congressmen Ellis, Craven, Harris, Mills and Norrell. Witnesses for the bill were Alectrowell, Oil and Gas Commission of the Image of the crowell, Oil and Gas Commission director; W. A. Delaney, president of the Louisiana-Nevada Transit Company; Thomas Fitzhugh, chairman of the Utilities Commission, and Dr. H. W. Blalock, a member of the commission. Approximately 400 persons, including directors, officials and many stockholders of the Arkansas Power and Light Com-Agency Would Be Arkansas Power and Light Company filled the Marion hotel ballroom for the hearing.

Plans for Desulphurization Plant Presented.

Mr. Crowell supplied statistics

He said this gas could be used to operate a steam electric plant which he estimated would cost \$6,
Carson City, Nev., March 13 (4P).

—Gov. E. P. Carville, in a special message to the legislature, de-000,000 or less. Later, Mr. Delaney nounced proposed federal legislasaid his company was not attemption which he opined would destroy ing to invade the field of the A. P. state control over waters of cer-& L., but wanted to build the desulphurization plant to extract byroducts from the "sour gas."

Mr. Fitzhugh and Mr. Blalock stressed what they said was a power shortage in the state, challenging contentions of the A. P. & L. that it had sufficient power.

A. P. and L. Executive

"There is no shortage of power

and furnish power at reasonable rates as soon as we can be assured that a permanent need exists. Generating capacity to supply large new demands can be provided by our company as quickly as the in May.

manufacturing plants can be built to use this additional power.

Bids Will Be Asked

Wear all to the work in the Lower Mississipp iver has designed to the work in the Lower Mississipp iver has been instrumental in sea and harbors work in the middle that of the invitation of the Mississipp iver. This count of the ministion of the Beateville of the invitation of the Invitation of the Mississipp iver and the tributaries from the month of the invitation of the Beateville of the Invitation of

The power company's two hydroelectric dams on the Ouachita river
and the site of its proposed third
dam at Blakely mountain would be
within the proposed OVA area.

Byrd supported his measure with ithin the proposed OVA area. complicated development problem, Byrd supported his measure with and to assist in interesting capital

Denver, March 9 (P).—A substitute Arkansas Valley Authority bill, providing protection for state's rights over irrigation water, has been drafted by a 10-man committee representing 14 Western states. Clifford H. Stone of Colorado, committee chairman, withheld details

tain rivers and jeopardize decreed water rights of the semi-arid West

He referred to a bill in Congress which he said provides for organization of a federal corporation with extensive powers over the basins of the Arkansas, St. Francis, Red and White rivers.

"While on the face of this legislation there may not appear a great danger so far as our state's water rights are concerned," he said, "I feel it my duty to sound a Examinations, surveys and contingencies, Little Rock District, \$300,000.

The following are included in the flood control program, as distin
The following are included in the given the commission to issue \$10.

The following are included in the given the commission to issue \$10.

The following are included in the given the commission to issue \$10.

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The following are included in the given the given the given the given the given the

guished from river and harbor:
Black Bayou, La., \$289,000.

Wallace lake reservoir, Louisiana, \$192,000.

Blakely Mountain dam, Arkansas,
\$23,000.

13-Year Period Of
Security for Valley.

The engineers told Congress "satisfactory progress" had been made
on the project for the "alluvial
valley."

Thoseworthy progress has been
made," the report said, "on the
Morganza floodway, the Wax lake
Morganza floodway,

are Their bid was \$10,778,726.
acity Officials of the firms will conferable with Major Kern and other engineers next week after visiting the dam site on the North Fork of the White river in Baxter county. Construction is scheduled to start

On New Dam Soon,

(Democrat Washington Bureau.)
Washington—Efforts to get congressional action toward construction of the Blakely Dam on the Ouachita river followed quickly on the heels today of a Federal Power Commission order which, in effect, revokes the license held by the Arkansas Power and Light Company for its construction.

Rep. Oren Harris is preparing legislation for construction of the dam as a government project and expects to introduce a bill for it the first of the week. He has been conferring the Corps of Army Engineers about it because congressional action taken will depend upon how far the engineers have gone with it.

Awaiting Report

considered as a wholly government project.

Harris said he will take one of two steps the first of the week. If the engineers send in a report recommending Blakely as a wholly federal job, he will offer legislation to authorize its construction. If the report is not altered to meet this new situation, he will ask the Rivers and Harbors Committee to order the engineers to make a survey of it. The latter course will require much more time, but will be necessary unless the engineers report on the dam as a government project. dam as a government project.

Expect Early Action.

In either case, Harris and other

In either case, Harris and other Arkansas members are hopeful of action during this session of Congress. They expressed confidence that if an authorization bill is introduced, it will get early consideration of the confidence that it will get early consideration. passed this year. If there has to be another survey first, Harris said he is confident that the committee will order it quickly.

The action taken by the Power Commission was to deny the appli-

The action taken by the Power Commission was to deny the application of A. P. and L. for an amendment of its license to postpone indefinitely the construction of Blakely Dam. The company had made this request some time ago. A hearing was held by the commission, but no action taken until now.

"License requirements with

action taken until now.

"License requirements with respect to the Blakely development have not been satisfied, actual construction has not been prosecuted in good faith and with due diligence nor has the licensee established when, if ever, it proposes to construct or complete this development," the commission said.

The license for the dam had al-

ready been amended twice by the commission to give the company more time to start construction of the dam

TELLS OF HUGE **POSSIBILITY IN** WHITE'S BASIN

Power Opportunity Described.

Washington, March 24 (P).—The White river basin in Arkansas was cited by the Federal Power Com-

mission today as having outstanding power possibilities in connection with flood control work.

The commission, referring to studies of this basin and others to determine feasibility of developing hydro-electric power in connection with flood control, said in its annual report it had found that its annual report it had found that "in most instances small additional investment at such projects would assure the ready development of their potential power when required by the power market and the conservation of the country's energy

It said its investigations "of five flood-control projects in the White river basin indicate that it will be economically feasible to install initially 386,000 horsepower of capacity at these projects, with an annual output of 1,158,000,000 kilowatt-hours of hydro-electric energy.

ergy.
"The commission believes that
the availability of this power should
provide a stimulus to industrial development and utilization of the mineral resources in the area," said

important in obtaining funds for immediate development of some of

The report will be used by Arkansas power advocates to seek approval of the White river basin development.

BLUE MOUNTAIN DAM SITE



Invitations for bids to construct Blue Mountain dam on the Petit Jean river in Yell county, site of which is shown above, were issued yesterday by Maj. T. F. Kern, Little Rock district engineer for the United States Engineers. The bids will be opened April 30. The dam will furnish protection from floods for 57 miles to the confluence of the Petit Jean and Arkansas rivers. A flood in April, 1927, destroyed thousands of dollars worth of property in the valley. The dam will be a rolled-fill earthen structure 2,800 feet long and 115 feet high. Construction of outlet works, under a separate contract by the John Kerns Construction Company, is now 32 per cent complete. The axis of the proposed dam is along the road which follows the opening shown a cross the center of the picture. The lake formed by the dam will extend 15 miles up the valley. In the background can be seen Mount Magazine.

Arkansas also was pointed out as one of the areas where the greatest power need would develop in the defense program. The commission added, however, that the full effects of the defense-load would not be felt in most areas until next year.

Line to Norfork Completed, Big Substation Planned.

Special to the Gazette 3-28-41

Pine Bluff, March 27.—Construction of a 110,000-voilt transmission line 48 miles long from Batesville to the Norfork dam site at a cost line 48 miles long from Batesville to the Norfork dam site at a cost line 48 miles long from Batesville to the Norfork dam site at a cost line 48 miles long from Batesville to the Norfork dam site at a cost line 48 miles long from Batesville to the Norfork dam site at a cost line 48 miles long from Batesville to the Norfork dam site at a cost line 48 miles long from Batesville to the Norfork dam site at a cost line 48 miles long from Batesville to the Norfork dam site at a cost line 48 miles long from Batesville to the Norfork dam site at a cost line 48 miles long from Batesville to the Norfork dam site at a cost line 48 miles long from Batesville to the Norfork dam site at a cost line 48 miles long from Batesville to the Norfork dam site at a cost line 48 miles long from Batesville to the Norfork dam site at a cost line 48 miles long from Batesville to the Norfork dam site at a cost line 48 miles long from Batesville to the Norfork dam site at a cost line 48 miles long from Batesville to the Norfork dam site at a cost line 48 miles long from Batesville to the Norfork dam site at a cost line 48 miles long from Batesville to the Norfork dam site at a cost line 48 miles long from Batesville to the Norfork dam site at a cost line 48 miles long from Batesville to the Norfork dam site at a cost line 48 miles long from Batesville to the Norfork dam site at a cost line 48 miles long from Batesville to the Norfork dam site at a cost line 48 miles long from Batesville to the Norfork dam site at a cost line 48 miles long from Batesville to the Norfork dam site at a cost line 48 miles long from Batesville to the Norfork dam site at a

Commission.

"The most important thing is congressional appropriations," said C.

"Christian are the rederal Power supply power needed to build the damped and payment bond of \$2,500,000.

Pany's Ozark division with the remainder of its intercept with the contract were appropriate with the contract were supply power needed to build the appropriations," said C.

Solution are the rederal Power supply power needed to build the appropriations, and to integrate the company's Ozark division with the re-S. Christian, engineer for the state Flood Control Commission. "How-Flood Control Commission. "However, the FPC's report should prove will include two large 3,000 kilo- ready at work, however, at their volt-ampere transformers. One will reduce the voltage from 110,000 to 33,000 volts for use in the Ozark division, and the other will reduce returned last night from inspection it to 2,400 volts for use in construct of a gravel access road from High tion work. It is expected that about a month will be required to complete the substation after work is started. Completion of a railroad spur to the substation site must be awaited hecause the highest representation and Clearwater dams. awaited because the big transform-

ers cannot be handled except by

Another Line Authorized.
Mr. Lynch said he has authorized work started on a 33,000-volt trans-

Contract forms for construction of the Norfork dam in Baxt.r county have been forwarded for final approval at Washington, Capt. E. G.

Belle Bully river.

The Narrows dam on Little Missouri river, near Murfreesboro.

Testimony for Table Rock and Shoels was heard last year.

One own risk. Engineer Returns.

Hearing On

Another Line Authorized.

Another Line Authorized.

Another Line Authorized.

Another Line Authorized.

Norfork Dam

Mr. Lynch said he has attended would develop in the defense program. The commission added, however, that the full effects of the defense-load would not be felt in most areas until next year.

White Basin Project Urged By Many Arkansas Organizations.

The FPC's report of "outstanding power possibilities" in connection with the five proposed flood control Commission in hearings before the FPC, the congressional Rivers and Harbors Committees and Botton United States Army Entered.

The projects have been endorsed and supported by the state Flood Control Commission in hearings before the FPC, the congressional Rivers and Harbors Committees and hearing shower of electric energy for use in didding the dam on the North fork of the PC, the congressional Rivers and Harbors Committees and hearing shower of electric energy for use in didding the dam on the North fork of the projects have gone on record as favoring development of the area.

Bentonville, author of the proposed projects also are supported by the State Flood Control Commission was gone on record as favoring development of the valley by constructing multipurpose dams for flood control, many state organizations have gone on record as favoring development of the valley by constructing multipurpose dams for flood control, many state organizations have gone on record as favoring development of the valley by constructing multipurpose dams for flood control, construction.

Two of the five proposed projects are winder construction. They be found that the proposed projects have the proposed projects and the projects in the projects in the state of the projects in

would be in Missouri, near the

Arkansas line.

Greer's Ferry, Little Red river, near Heber Springs.

Herb, executive officer of the Bull Shoals was heard last year. United States Engineers, Little Chairman Whittington has said it Rock District, said yesterday. The will not be necessary to repeat will not be necessary to repeat "old" testimony.
Norrell Is Member.

Representative W. F. Norrell of Monticello is a member of the Flood Control Committee, which is seeking authorization for expenditures totaling \$250,000,000. The entire amount would not be appropriated at one time.

Proponents said the work should prevent a "let-down" that otherwise would follow a decline in defense

The committee's request for a \$191,000,000 authorization was sidetracked for defense preparations last year.

ing a construction camp, provid-ing quarters for approximately 250

Proposed Lone Rock Dam To Be Protested.

Special to the Gazette. 4-9-41
Batesville, April 8. — Abandonment of the Lone Rock dam project on the Buffalo river or reduction of the height to 125 feet on the ground that the proposed 237foot dam would drown out practically all the principal mine developments along the stream 30 miles from its mouth, is urged by the Ozark Mine Owners League, it was reported here today. J. H. Hand of Yellville, manager of the league has some a letter of protest. league, has sent a letter of protest to Congress.

"Army engineers have advised that if the dam is to serve flood control, which is the primary purpose of the government, it would not be feasible to reduce the height below the present plan—237 feet—for flood control alone," the letter said. "That would drown out the principal mine developments along

said. "That would drown out the principal mine developments along Buffalo river except for a few that are high up on the hillsides.

"If power facilities, which are not yet authorized, should be included, flood crest of the reservoir would be raised still 40 feet higher. What use could such power be to local mining industry with most of the district's proven ore deposits 100 feet under water?

"In view of this threatened loss to mine owners, the destruction of

"In view of this threatened loss to mine owners, the destruction of a potential mining industry which would deprive the country of an essential metal (zinc); to say nothing of cruel disruption of communities, it is the considered judgment of many thoughtful people that the government should abandon the project and leave the charming Buffalo river basin, with its recreational attractions, undisturbed."

Maumelle River Project Rejected

Gazette 4-10-41

United States army engineers have rendered an unfavorable report on a project for flood control measures on the Maumelle river in western Pulaski and eastern Perry counties, it was announced by Lt. Col. Stanley L. Scott, Southwestern Division engineer, from his headquarters in Dallas, Tex., yesterday.

A hearing on the project was conducted by Colonel Scott at Robinson school on Highway 10, west of Little Rock, before his headquarters were transferred from Little Rock to Dallas.

Cost Pronounced Excessive. "The principal grounds upon which the adverse conclusions are based are that field investigations, considered together with engineering and other pertinent studies, show that works for the protec-tion of relatively undeveloped ag-ricultural lands in this valley from headwater floods of the Maumelle river and from backwater floods of the Arkansas river, considered either separately or in conjunction with the storage of water for beneficial uses, cannot be constructed except at a cost that is in excess of the over-all benefits that may reasonably be expected to accrue therefrom."

Interested persons may appeal from the conclusion to the Board of Engineers for Rivers and Har-bors at Washington within four

Work Order Issued
On Norfork Dam.

Gazette 4-6-41

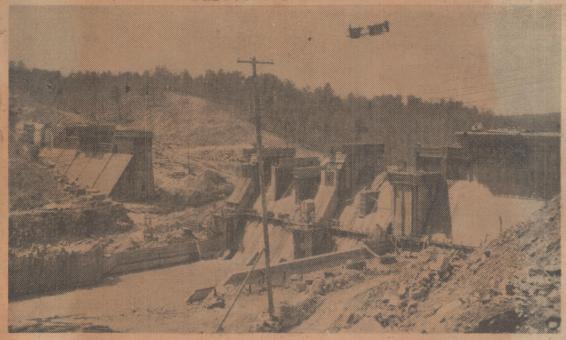
Maj. T. F. Kern, Little Rock district engineer, announced yesterday construction of the Norfork Dam on North Fork river in Baxter county is underway. A work order has been issued to thet Utah Construction Company, Inc., awarded the contract on a joint bid of \$10,778,726.

The dam will be a concrete gravity type structure with a crest length of 2,624 feet and a maximum height of 220 feet above the stream bed. It will form a reservoir with a storage capacity of 1,251,000 acre feet.

Terms of the contract require construction to begin within 30 days after receipt of the work order and for the structure to be completed within 1,200 days. The contractors have begun work. It is estimated the dam will be completed in the fall of 1944.

The contractors are also building a construction camp, providing quarters for approximately 250

FLOOD CONTROL PROJECTS AT NIMROD AND BLUE MOUNTAIN TO BE SCENIC ATTRACTIONS



Work at Nimrod dam consists at present mainly of drilling and cleaning the area on the other side of a coffer dam (shown at left center in the picture), preparatory to laying the foundation for the remaining portions of the dam. Approximately 35,000 cubic yards of concrete remain to be poured. While men worked on the portion of the dam nearest to view, the waters of the river were routed on the opposite side of the coffer dam.

bonnet or tweed. But when a Sunday comes along when you're ready Reporter Goes Into The to take the furnace apart to oc- Dam Interior.

Nimrod dam, which will be 97 feet high and 986 feet log, will be the largest concrete dam in the state when completed about October 15. Blue Mountain dam, 115 feet high and 2700 feet long, will be ing constructed to provide for feet high and 2,700 feet long, will be the only one of its kind in the state. Visitors are welcome on week days while construction is under

Nimrod Dam Massive

Concrete Structure.

Wendell W. Ralphe, resident engineer in charge at Nimrod, said the giant structure, which will form a lake with a surface area of 3,600 acres, has poured 70,000 cubic yards of 105,000 cubic yards of 105,000 cubic yards of 105,000 cubic yards of 105,000 cubic yards of 106 monoliths (block divisions of the dam) have been completed and seven of nine slide gates to hold or release water have been installed Work was begun in April, 1940.

The contractors, Russ Mitchell Inc., and Brown & Root, Inc., employ 292 men, mostly from Yell and brown & Root, Inc., employ 292 men, mostly from Yell and brown & Root, Inc., employ 292 men, mostly from Yell and the specific property of the structure at the penstocks will be sealed with concrete. The intake structure at the structure at the structure at the structure at the stream end of the tunnel will construction of an earthen dam 4, 200 feet long and excavation for stream on of the tunnel will construction of the stream is under way. The third phase will sunder way. The third phase will sunder way. The third phase will construction of concrete spill-works for diversion of the stream is under way. The third phase will sunder way. Advance notices to contractors two types of construction. One would be considered for two types of construction. One would be a roll filled dam while summer.

Blue Mountain Dam to Be

Earthen Structure.

Blue Mountain dam, being built in the shade of Mount Magazine.

Inc., and Brown & Root, Inc., employ 292 men, mostly from Yell and Perry counties, on the project, while

Perry counties, on the project, while a force of 47 men is employed by the engineers. K. E. McDougal is superintendent of construction.

Manufacturing their own cement from materials mined a half mile upstream, the contractors have poured as much as 1,000 cubic yards of concrete in one day. The cement is poured from containers of four to eight tons capacity moving on tracks and picked up by a 25-ton cableway.

The cableway, which is the same one used on the Norris and Hiwassee dams of the Tennessee Valley Authority, consists of two towers, one on either bank of the river with a 1,400-foot length of cable be tween the contractors.

The cableway of the Tennessee Valley Authority, consists of two towers, one on either bank of the river with a 1,400-foot length of cable be tween the contractors.

The cableway of the Tennessee Valley Authority, consists of two towers, one on either bank of the river with a 1,400-foot length of cable be approximately 2,700 feet long, will be 600 feet wide at its base. It will contain nearly 2,000,000 cubic yards of material, all of which will be obtained from

one used on the Norris and Hiwassee dams of the Tennessee Valley Authority, consists of two towers, one on either bank of the river with a 1,400-foot length of cable between. Two telephone operators,

By CLIFTON PAISLEY.

(Staff Correspondent of Gazette.)

Nimrod, April 13.—Today is Easter Day, and you'll want to attend church and show off that new tend church and show off that new the cable, and empties them.

one at the head tower and the other at the place where concrete is to be poured, regulate the movement of the mechanism as it picks up the containers, moves them along the cable, and empties them.

At present week here deeperd here April 30.

to take the furnace apart to occupy yourself, here is a suggestion:
Visit the two-thirds complete Nimrod dam on the Fourche La Fave river in Perry county and the site of Blue Mountain dam on the Petit Jean river near Havana where work is progressing on a diversion tunnel to carry its waters around an immense earthen dam.

This reported visited the dams Thursday as guest of the Little Rock district office of the United States Engineers, authors of the

being constructed to provide for possible power development. It is estimated generators installed at the penstocks would provide 10,424,-000 kilowatt hours per year of prime electrical energy and 19,600,-00 kilowatt hours per year of all rectangular conduits.

At present work has been done only on a conduit 24 feet in di-ameter through the right abutment which will conduct water through

Thursday as guest of the Little Rock district office of the United States. Engineers, authors of the projects. The hosts were John A Haynes, assistant chief clerk, and O. R. Mitcham, chauffeur.

The trip, totaling less than 250 miles, was routed by Conway and Morrilton; south on state Highway 80 to Perryville; west on Highway 90 to Perryville; west on Highway 10 to Blue Mountain, and back wia align the country. A shaft running along the top of the dam. Considered and home. Guide service is provided at both sites on Sundays and visitors may inspect the dams in detail.

Although the main purpose of the side gates, seven and one-half by six feet will be the largest of the kind in any dam in the country. A shaft running along the country. A shaft running along the coiling of the tunnel will enable to be raised or lowered by cranes in case of an emergency. A 22-foot road will be constructed and home. Guide service is provided at both sites on Sundays and visitors may inspect the dams in detail.

Although the main purpose of the side gates, seven and and control tower on top of the scales approximately 30 feet of being complete.

Because of the fumes which result from use of gas or gasoline equipment, a compressed air drill is used to bore 10-foot holes into which charges of dynamite are placed. Drilling is accomplished from a large platform running on wide tracks and known as the "jumbo." The debris is removed on to trucks, drawn in and out of the tunnel by cables attached to a steam hoist at the entrance and a penjaneering, purchase of lands and relocations, will total about \$4,000.000.

Although the main purpose of the sing the ceiling of the tunnel will enable to be suit from use of gas or gasoline equipment, a compressed air drill is used to bore 10-foot holes into which charges of dynamite are placed. Drilling is accomplished from a large platform running on the trucks and known as the "jumbo." The debris is removed on to trucks, drawn in and out of the tunnel by calles attached to a steam hoist at the entrance their own power inside the tunnel, the fumes might be fatal to work-ers. Mr. Zimmerman estimated the tunnel will be completed and ready for a concrete sheathing in a week of 10 days.

After the tunnel is completed a two-foot sheathing of concrete will line the inside. It wil be circular-shaped, except at the stream end where it will be divided into three where it will be divided into three the stream end where it will be divided into three where where the stream end where it will be divided into three where where the stream end where it will be divided into three where wher

'HOLING THROUGH'



The photograph shows J. N. Ball, field engineer for the John Kerns Construction Co., emerging from the diversion tunnel for Blue Mountain dam under construction on Petit Jean river in Yell county. It was taken immediately after the "holing through" of the tunnel, Mr. Ball was greeted by C. A. Hammock, resident engineer for the Little Rock Engineer District. He has headquarters at Booneville

The conduit which is being tunneled through the right abutment will be circular in section, 20 feet in inside diameter, and 1,019 feet long. Flows through the conduit will be regulated by operation of three tractor type service gates, each eight feet wide and 17 feet high. An excavated outlet channel about 3,600 feet long will lead from the stilling basin at the downstream end of the tunnel to meet the main river channel about three-quarters of a mile below the dam. With the reservoir full, the outlet works will be capable of discharging 7,938,000,000 gallons of water per day.

State to Be Represented At Flood Control Hearings. Gazette S-41 White river, in Missouri near the White river, in Missouri near the

Chairman Will M. Whittington (Dem., Miss.) advised the Arkansas commission that committee hearings would start next Monday, after a brief postponement. More than two weeks will elapse before projects in which Arkansas is interested will be considered.

Plans to send several representa-

Plans to send several representa-tives to Washington were started by the commission some time ago.

Invitations to enter bids for the second phase of construction of the \$10,000,000 Clearwater dam project on Black river near Piedmont, Mo., will be issued May 1 for opening June 3, Capt. E. C. Herb, executive officer for the Little Rock District,

200 workmen are employed in pre-liminary construction on Norfork Dam on the North Fork river in Baxter county. The main office building is scheduled to be completed this week. The road from Nor-fork to the dam site has been completed.

Flood Control Commission To Prepare Recommendations.

mission will be represented at House Flood Control Committee hearings on the Arkansas White

Captain Herb said that more than Rush Action

Prefer Thorough Study of Huge Power Proposal.

By TREMAIN F. ROBINSON.
(Democrat Washington Bureau.)
Washington, D. C.—Now that the first legislative rush of the national Recommendations to the House Flood Control Committee for Arkansas projects will be prepared at a state Flood Control Commission meeting next week, Engineer C. S. Christian said yesterday. Representatives of the commission will appear before the committee in Washington on May 7-8 in behalf

establishing a TVA in that vast area with not only the power, navigation, flood control and other TVA aspects, but with dust-storm control in add

which has the contract for the tunnel, employs 142 men at the site.

C. J. Zimmerman, foundations chief for the engineers, who have 33 men at work at the site, conducted us through the tunnel and explained its construction. Begun about six months ago at the side of the ridge away from the river, it now lacks approximately 30 feet of being complete.

Because of the fumes which ferman at the site, control committee mission will be represented at the represented at House Flood Control Committee Commission has recommended that mission will be represented at House Flood Control Committee power-generating facilities be constructed at both.

Narrows dam, Little Missouri river, Pike county.

Power facilities at Norfork dam on the North Fork of White river, Baxter county. Ground is being cleared for the Norfork flood control project.

Chairman Will M. Whittington (Dem., Miss.) advised the Arkan-service with the major part of control project.

Sponsors in No Rush.

Thus far no active steps have been taken to get the legislation before either the Senate or House for pass-The schedule will be presented to the House Flood Control Commission Tuesday. The schedule will be presented to the House Flood Control Committee nim Washington at hearings scheduled for May 7 and 8.

The commission probably will recommend that the Norfork dam on the White River, near Norfork, be equipped with power facilities. The dam is now under construction. Other probable recommendations on the White River near Coter, Table Rock Dam on the Little Missouri in Pike County.

There is the Whole AVA proposal in a nutsfiell: AVA would be a corporation which will recommend.

Here is the whole AVA proposal in a nutshell: AVA would be a corporation which would co-ordinate and inaugurate new developments for work on flood control, irrigation, erosion con-control, drainage, navigation, power and recreation. Work on power and recreation. Work on all of this, quite obviously, is go-ing on now and much of it has been going on for years. But to a large extent it has been hit or

miss.

What AVA would do is to coordinate this work—plan and
direct its development—and operate on the spot instead of from
Washington. Ellis' idea is that if
this is not created and put into
operation, the country has seen
only the beginning of "the
plague of the Grapes of Wrath."
Purpose of the plan is to restore
the land that is now ruined and
prevent more from destruction,
to provide irrigation and navigation and navigation and navigation and navigation and to harto provide irrigation and naviga-tion and navigation and to har-ness the rivers for more power, of which a shortage now looms in the area. This is to the end of improving living conditions, raise income levels and attract

new industries.

This it would do over the area of more than 293,000 square miles covering all of Arkansas and Oklahoma.

a huge section of Texas lying, roughly, north of an imaginery line running west from Ft. Worth and Dallas, that part of Louisiana north of where the Red River enters the Mississippi, Northeastern New Mexico and Southeastern Colorado and the southern parts of Kansas and Missouri.

The set-up is to cover the watersheds of the Arkansas, Red, White

The set-up is to cover the water-sheds of the Arkansas, Red, White and St. Francis rivers and their tributaries. This, roughly, is the area affected by those rivers and hence the area included in the AVA plan. It takes its name from the Arkansas River, Ellis explains, because the

Arkansas is the longest of the four.

35 Dams Provided.

It averages 400 miles in width and runs more than 1,000 miles from the Mississipi westward. It has a population of around nine million people. It is seven times as large as the TVA

Basis of the whole AVA setup is a series of 35 dams on the four rivers and their tributaries for flood conand their tributaries for flood control, navigation, power and irrigation. Some are already built and in operation. Others, such as the Denison dam, are under construction. Others are authorized by Congress but awaiting funds. The rest have been recommended by the Corps of Army Engineers and are awaiting. Army Engineers and are awaiting authorization by Congress. Every one has the official stamp of approval from one branch or the other of the federal government. The bill itself authorizes only the construction of two new ones—Bull Shoals in Arkansas and Table Rock in Mis-souri, both on the White River.

Cost \$406,000,000.

Cost of this whole setup, as estimated by the army engineers, is \$406,105,000, including those already completed. Ellis figures the whole thing can be paid for by electricity savings in five years. A "conservative" estimate by the War Department is that four billion kilowatt hours that four billion kilowatt hours of electricity can be produced annually by reservoirs in the ACA region.

ACA region.

Comparing rates in states of the AVA area with present TVA power rates, Ellis said the people of Texas pay \$31,000,000 more a year than they would under TVA rates, those of Louisiana \$9,500,000, Oklahoma \$11,500,000, Arkansas \$6,000,000, Kansas \$10,500,000, New Mexico \$1,500,000, Colorado \$8,500,000, Missouri \$21,000,000. If these higher charges were brought down to the TVA level, to bring about the saving of this amount of money each year in each state, the whole thing would be paid for in five years, Ellis said.

This saving, however, is just the

This saving, however, is just the first thing. Experience shows that first thing. Experience shows that where there is cheap power new industry moves in and that which is there expands. Natural resources are developed. The multiple-purpose dams which generate power also provide flood control and make navigation possible. In the AVA setup the reservoirs are also to be used for irrigation in the dry sections of the area and supply water for the rice fields of the southeastern part of the area. The average annual direct flood loss alone in the area is placed at \$9,000,000 by the is placed at \$9,000,000 by the Department.

Batesville, and Lamar Williamson, Monticello. Secretary W. C. Mc-Clure of Camden and Engineer C. S. Christian of Little Rock will attend. Mr. Christian will leave Saturday night. Most of this type of development has been done by the TVA and it would be applied to the AVA region. However, AVA would also have the jobof trying to control wind erosion as well as water erosion. How it would go about doing this, aside from the programs already in operation, is not known, except that AVA would co-ordinate all the present activities along that line with its reservoir program. The main thing on this angle is that under AVA the whole thing would not only all be tied in together, but the efforts at saving the land and water would be intensified.

Has F. D. R.'s Blessing. Most of this type of development

Has F. D. R.'s Blessing. But so much for the general plan of what AVA will do. What Con-gress will do about it remains to be seen. It may do nothing this year, but that does not greatly worry proponents of the plan. They think it should be started now but believe that such a plan is inevitable and they are not rushing onto the floor of Congress to face possible defeat. Instead, they are going into it thoroughly and taking steps to get the Congress to do likewise. While the oughly and taking steps to get the Congress to do likewise. While the proposition came up before Congress quickly and recently, it appears to be no flash in the pan.

The stature of this of any other company of Memory and the stature of the stature of this of any other company of Memory and the stature of the stature of

be no flash in the pan.

The stature of this of any other proposal placed before the nation for adoption or rejection can be judged to a large extent by the opposition.

Myers, Myers & Goen of Salem, Ind., \$1,111,879.

Southern Contracting and Engineering Company of Memphis, \$1,adoption or rejection can be judged to a large extent by the opposition to it and the support for it. There is little doubt but what it has administration support. President Roosevelt, while he did not openly support it, has unofficially given it his blessing and the bill to create AVA was drawn up by Ellis with the help of the TVA experts, after a number of conferences with them and with the president.

A celebration at the site of Norfork dam on the North Fork of the White river in Baxter county, where 500 men are now employed in work preliminary to building which was \$1,243,171.56. Construction of the 115-foot high dam is expected to require 700 days. Work is proceeding under a separate contract on a diversion tunnel to carry the state Flood Control Commission. and with the president.

the river's waters around the right abutment. It is expected to be com-The plan is also gaining support from a large section of the general public, from newspapers, from various farm organizations, coal associations. tions and other organizations.

Carr Leads Opposition.

Open opposition to it thus far has come primarily from two sources —Gov. Ralph L. Carr, Colorado, and

Opened Soon

In Washington, the annual convention of the United States Chamber of Commerce is slated to hear more about AVA in a speech by Governor

be started "within a month." Ellis said Chairman Mansfield (Dem., Mountain Home—There is considerable activity at and around the Norfork dam site. Removing timber and loose dirt from the bluff that owers over 200 feet above the bed of the river on the east side is attracting much attention. The bluff is almost perpendicular, and men were suspended with ropes to remove the timber. A large "bull-dozer" driven by a high-powered tractor is used.

The railroad and highway have been completed to the site with the exception of sidings and extensions.

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Commission members who probably will attend are Chairman R.

E. Overman, Little Rock; M. W. Greeson, Prescott; John P. Morrow,

Gazette 5-1-41

Apparent low bidders on con-

Myers, Myers & Goen of Salem,

Flood Control Blakely Dam Projects Work Start

ty, and Water Valley dam, Elevenpoint river, Randolph county.
Governor Adkins notified the
commission he would support its
Washington requests, to be made
May 7-8, and its plans for a celebration at Norfork dam May 22.

To Represent Adkins.
Representative R. W. Griffith Jr.
of Little Rock, chairman of the
House Budget Committee in the
1941 General Assembly, will represent the governor at the Flood Control Committee hearings.
Commission members who prob-

An Arkansas delegation will attempt to obtain congressional authorizations for: Proposed Table Rock and Bull Shoals projects on White river and the Narrows project, Little Missouri river; power facilities at Norfork White river facilities at Norfork, White river, and additional work on Blue Moun-

and additional work on Blue Mountain, Petit Jean river, and Nimrod, Fourche La Fave river.

Arkansas Flood Control Commission members who will testify are: Chairman R. E. Overman, Little Rock; John P. Morrow, Batesville; Layton Coffman, Harrison; M. W. Greeson, Prescott, and Lamar Williamson, Monticello. Secretary W. C. McClure of Camden and Chief Engineer C. S. Christian of Little Rock also will testify.

Dam May 22

Gazette 5-4-51

the state Flood Control Commis-sion announced vesterday. More He quoted Gov. Ralph L. Carr of sion, announced yesterday. More than 5,000 persons are expected to

quarters at Dallas, Tex.; Maj. T. for flood control and storage for irrigation.' gineer for the United States Engineers; Congressman Wilbur D.

Mills and Clyde T. Ellis.

A special train will be to the control of the contr

A special train will bring a large delegation from the Springfield (Mo.) Chamber of Commerce, headed by John T. Woodruff and accompanied by a band. It is hoped a special train of the Missouri

about AVA in a speech by Governor Carr. Also, before long committee hearings on the legislation itself can be expected to start in Congress. What it will all lead to, only the future can tell.

Preliminary Work On

Dam Well Under Way

Months in the distance of the Missouri Pacific Lines will carry from 150 to 200 persons from Little Rock and southern Arkansas.

The dam, which will be a concrete gravity type structure 220 feet high and approximately a half-mile long, will be constructed as a flood control project with pro-

Should not be permitted."

Griffith to Represent Governor

At Washington Hearing.
Gazette 5=4-41

Representative R. W. Griffith Jr.
of Pulaski county, chairman of the 1941 House Budget Committee, will leave by plane this afternoon for Washington, where he will represent Governor Adkins at hearings before the House Flood Control Committee on Wednesday and Thursday.

An Arkansas delegation will attempt to obtain congressional authorizations for: Proposed Table Rock and Bull Shoals projects on White river and the Narrows project, Little Missour irver; power facilities at Norfork, White river,

Maybe on the Storm Highway 5.

The contractors the Utah Construction Company and the Morrison-Knudsen Company, have completed an office building and are at work on blacksmith shops, warehouses, a hospital and other buildings. The Arkansas Power and Light Company has installed a temporary 650 kilowatt unit to supply electricity and are at work on a sub-station which will supply more power for the dam's construction.

Maybe of the Governoment and turned over to the contractors for maintenance and the railroad for use. Supplies needed in the dam's construction will be moved over the spur and over an access road from Highway 5.

The contractors, the Utah Construction Company has determine the contractors for maintenance and the railroad for use. Supplies needed in the dam's construction will be moved over the spur and over an access road from Highway 5.

The contractors, the Utah Construction Company has installed a temporary 650 kilowatt unit *to supply electricity and are at work on a sub-station which will supply more power for the dam's construction.

Washe to 1941 House Budget Committee, will lette.

"There is no question as to the economic advisability of this project, "said Major Reber.

Cost of the project is estimated at *722,000.

M. W. Greeson of the Arkansas Flood Control Commission, advocated flood control on the Little Missouri in the form of the construction and the project is estimated at \$1000 to 1000 to 1000 to

ply more power for the dam's construction.

Work on the \$10,778,726 structure is scheduled for completion by the fall of 1944

Other Arkansas Levee fall of 1944.

The contractors, under the direction of the general superintendent, B. Williams, are now preparatives ing a parking area, observation platform for visitors and connect-ing roads which will probably be ready by June 1.

Ellis Sees Value in AVA After War

Gazette 5-6-41

Washington, May 5 (P).—Representative Ellis (Dem., Ark.) told the House today the proposed Arkansas Valley Authority and similar huge public work "may well mean the difference betweeen saving democracy and losing it in the inevitable to General Tyler which made the by General Tyler which made the project completed, but has not determined a method of procedure. The Federal Power Commission is interested in having the project completed, but has not determined a method of procedure. The Federal Power Commission is interested in having the project completed, but has not determined a method of procedure. The Federal Power Commission is interested in having the project completed, but has not determined a method of procedure. The Federal Power Commission is interested in having the project completed, but has not determined a method of procedure. The Federal Power Commission is interested in having the project completed, but has not determined a method of procedure. The Federal Power Commission is interested in having the project completed, but has not determined a method of procedure. The Federal Power Commission is interested in having the project completed, but has notified the Arkansas Power and Light Company that it has terminated the company's license to construct the dam, effective June 1. follow the present war in Europe.

Such undertaking, the Arkansas legislator said, would create "hundreds of thousands" of jobs and provide new frontiers for new homes.

By General Tyler which made the surveys at the request of Congress. They still are before the Board of Army Engineers and have not been submitted to Congress.

Among the recuest useless, it was said. County Judge Jack Kight and were:

than 5,000 persons are expected to attend from Arkansas, Missouri attend from Arkansas, Missouri and other states.

the United States Chamber of Community and Comparative flood control provided local intersion and A. P. and L. officials Among those who have accepted governor's speech as offering "not ests assume maintenance responsi- reached an "amicable" understand-Among those who have accepted one constructive note nor one ray of hope." If the governor's ideas gram are Governor Adkins; Col. Stanley E. Scott, chief engineer for

the Southwest Division of the aid, "it would be ridiculous to spend Channel improvement of Bayou United States Engineers with head-further federal flund in Colorado Bodeau, Red Chute and Loggy

IN EAST LITTLE ROCK FAVORED

For Protection Of Adams Field.

Gazette 5-8-41

Washington, May 6 (P).—Proposed improvements for Arkansas occupied attention of the House Flood Control Committee at its session here today.

Deep bavour in local interests as sume maintenance.

General Tyler said the engineers had recommended unfavorably on a navigation plan from the mouth of the Red river to Shreveport, La, sion here today.

improvement of levees and build-ing of some new ones on the south port was made on navigation of the

The state Flood Control Commission formally decided yesterday to ask the House Flood Control Commission formally decided yesterday to ask the House Flood Control Commission formally decided yesterday to ask the House Flood Control Commission formally decided process on White Harris of Letter and public today to the Federal Power Commission and Setup Projects on White river, and the Narrows project on White river, and the Narrows project on White river, and the Narrows project on Little May a state for starting constructed in Baxter country.

Addition of Dower facilities to Normalization for Greer's Ferry and mon Little Red river, Celburne country, Edl Flood Control for the past and Little Red river, Celburne country. Edl Flood Control that the company which foundation work in the river back while Marking for the river, Camerone country, addition of the proportion of the power facilities to Normalization for the power facilities to Normalization for the proportion of Alexandria, La. they were satisfied.

Washington was a trained of Little Rock and that leves generally be edition at the proportion of the Company which end the Operations Section of the Little Rock and that leves generally be the proportion of the Operations Section of the Little Rock and that leves generally be the proport and S. E. Huey, actim, engineer of Louisiana, and Harris of Alexandria, La. they were satisfied.

Washington the prove Commission urged the building of a leve in East Little Rock and that leves generally be the proport and S. E. Huey, and the prise of the Arkansas river in the past. Little Rock and that leves generally be the proport and S. E. Huey, and the proport as a few foundation rock, on the left and the airport has gond and stripping of word that the airport has gond and stripping of word that the airport has gond and stripping of word the left. The Arkansas of t

pany did not carry out the opment.

The dam should be built, he said for flood protection and additional power. "If the company really intends to go ahead with it," Harris the Missouri Pacific Lines tracks wrote, "it seems further delays should not be permitted."

A three-mile railroad spur from ditions. A new levee has been built on the north side of the river from North Little Rock to Gillette.

The carry out the dam should be built, he said for flood conditions. A new levee has been built on the north side of the river ditions. A new levee has been built on the north side of the river little specific Lines tracks the property of the river and the part of the river and the property of the property of the river and the property of the river and the property of the river and the property of the property of the property of the river and the property of the property

Representatives Mills (Dem., Ark.) and Gathings (Dem., Ark.) appeared before the committee on behalf of a project for levees between Augusta, Clarendon and De-Valls Bluff, Ark., at an estimated cost of \$2,847,500.

banker, urged levee improvements in the Tucker Lake Levee District.

Proposals For Red And Ouachita Rivers Approved.

Brig. Gen. M. C. Tyler, president of the Mississippi River Commis-sion, gave the committee a list of flood control and power undertakings on the Red and Ouachita riv-

War Department engineers headed by General Tyler which made the next Monday includes an A. P. and

provement of Walnut Bayou in Lit- delegation.

Channel improvement of Bayou

and to provide bayou for flood control.

Extension of the existing floodway to include drainage work and channel improvement on McKin-ney bayou in Miller county, Arkan-

ney bayou in Miller county, Arkansas, provided local interests assume responsibility for maintenance.

Levees and other improvements on the Red river in these areas:

Manice bayou, Long Prairie-North Bossier, upper Caddo for diversion of Kelly bayou, East Point, La., Aloha-Rigolette, Grant and Rapides parishes, Louisiana, including drainage works, improvement of Bayou Rigolette channel and separation of Bayous Darrow and Rigolette channels, Rocky bayou-Pineolette channels, Rocky bayou-Pine-

ville in Rapides parish, and Rapides bayou area, Louisiana.

A levee for protection of Jonesville, La., and vicinity instead of the presently-authorized project.

Channel improvements at Bayou Bartholomew and channel improvements and a new outlet channel on Deep bayou if local interests as-

pleted in time for the Springfield One of the projects urged was due partially to the present cost of improvement of levees and build- the improvements. A similar re-

frain to leave the dain to leave the south side of the Arkansas river between Little Rock and Pine Bluff.

This would include a levee in the Bossier Levee Board, Shreveport, told the committee he favored the report and S. E. Huey, acting chief engineer of Louisiana, and Homer Harris of Alexandria, La., said they were satisfied.

As spokesman for 46 Arkansas Representative Ellis (Dem., Ark.) urged a comprehensive flood control hydro-electric program in the White river valley.

He told the committee that Arkansas residents of the valley

Power facilities at Norfolk dam, Norfolk river, Arkansas, at an esti-

Authorization of Bull Shoals and Table Rock hydro-electric projects on the White river in Arkansas and Missouri at a total cost of \$72,-500,000. He asked \$2,000,000 for preliminary work in the next two

Lone Rock flood control reservoir, Buffalo river, Arkansas, leaving location to army engineers.

Authorization for power as well as flood control at Creer's ferry

project near Heber Springs.

Major Reber testified the proj-

ects were favorably recommended by the War Department. Reservoirs recommended on White river tributaries included Walter Valley, Bell Foley, Greer's Ferry and Lone

Missouri Congressman Raises Objection.

Representative Cochran (Dem. Mo.) told the committee he opposed spending \$72,500,000 on hydroelectric projects on the White river

electric projects on the White river if the power is not needed.

Ellis declared he believed "the wild life group in Missouri prevailed on Cochran to make the statement," but he didn't think the group "a wild life group at all."

Representative Short (Rep., Mo.) in whose district most of the Table Rock project would be located.

Rock project would be located, urged the construction. He said he had some opposition telegrams from Joplin and Springfield.

Charles Gordon, Pine Bluff Malvern Residents Favor Blakely Dam.

Gazette 5-8-41
Mayor Kelso Kight and other
Malvern residents want the proposed Blakely mountain dam project to proceed, in the interest of flood control in the Ouachita river valley, they informed the state Utilities Commission yesterday.

Chairman Ben E. Carter said the commission is interested in having

commission is interested in having the project completed, but has not

County Judge Jack Kight and County Clerk Horace Fisher of Hot Authorization of channel Im- Spring county were in the Malvern

of its operations.

The order designated E. B.
Thomas, senior accountant of the Utilities Department, to examine would eliminate both the Eudora records with the assistance of department and FPC staff members. said accountants engaged in the investigation, resumed at Pine Bluff several weeks ago, claimed that access to records had been de-

nied them.

Mr. Carter said a difference of opinion regarding procedure caused

FOUR PLANS FOR FLOOD CONTROL **WORKS OFFERED**

Two Would Cut Out Eudora Floodway.

Gazette 5-9-41

Washington, May 8 (AP).—Submission to the House Flood Control Committee today of four alternative plans for the flood control program in the lower Mississippi Valley, in lieu of the Eudora floodway diversion, added fuel to the controversy between Arkansas and Louisiana interests on one side and Mississippians on the other.

Gen. Max C. Tyler, president of the Mississippi River Commission, outlined the plans. He underwent a barrage of questions from Representatives Allen (Dem., La.) and Norrell (Dem., Ark.) who insisted any adopted project should provide levees on the west side of the Mississippi river as high as those on the eastern side.

The hearings will be resumed to-

Two Plans Would Modify Floodway Diversion Project.

The existing program for the area in Arkansas and Louisiana, together with a northern fuse-plug levee extension between the Arkansas and Vaucluse, Ark. Under this plan General Tyler said, the cost of pro-

The alternate plans also called diversion entirely, the other two period of uncertainty would modify this plan.

General Tyler explained that existing authorizations call for construction of the Eudora floodway, substituted for a previously authorized Boeuf floodway in the plans for protection of the area between the Arkansas and the Red rivers.
Since this plan was adopted, he

said, there has been such an in crease in the channel capacity of the Mississippi river due to cutoffs and other control developments that alternative plans to construct the floodway can be considered.

"Had the same conditions exist-ed in 1938, it is quite possible more consideration would be given complete confinement of the floods," Mississippi Flood

Arkansas and Louisiana interests have complained present plans would submerge 2,050,000 acres in the Red river backwater area and only 923,000 in the Yazoo backwater area on the east side of the Mis-

Provisions of Four Proposed Plans Explained.

Under one plan, to cost \$53,565,*000, the proposed floodway would be narrowed to half the width originally contemplated, and eliminate fore the House Flood Control Comthe Eudora extension. It would mittee. The question was whether necessitate considerable levee work.

Plan No. 2 would reduce the west bank floodway by omitting its southern portion and the setback levee of the existing project would be built from Yancopin to the Ar-kansas-Louisiana line to a grade equivalent to that of the opposite east bank levee. The fuse could be extended southward to the state line by degrading to 1914 grade all of the 1928 grade levee between that point and Vaucluse.

floodway and its northern extension and set up levees of equal grade on both east and west banks of the Mississippi river, all levees to be set one foot above the computed crest flow line of a recorded flood. cost of raising the levees, mostly the Arkansas-Louisiana side, would

A fourth plan, opposed by Louisiana and Arkansas on the ground it tended to maintain the superiority of the levees on the east, or Mississippi side, would consist in readjusting levees on both sides to give the west bank levees a net grade three feet above the flow line of a confined 1927 size flood and the east bank levees to a grade six feet above the same flow line. This would cost \$17,379,000 for the additional readjustments.

Raising Levees on Both Sides Offered as Compromise.

Agreeing with Representative Allen that plan No. 3, providing levees of equal height on both sides of the Mississippi river, would be acceptable to engineers, General Tyler said it would be opposed by Missaid it would be opposed by Mis-sissippi interests principally be-cause it would raise the project flood stage at Vicksburg, Miss., two and a half feet higher than would the floodway plan and inundate an additional 247,000 acres in the Yazoo basin backwater area.

The Mississippi side now has a three-foot superiority in levee grades and equal heights would expose both sides equally to inundation by a record flood. Mississippi interests contend they are entitled to the superiority by virtue of the higher and older development of topography of this part of the val-ley would force any surplus waters released through east bank levee breaks to re-enter the Mississippi at Vicksburg.

In view of the unlikelihood of acceptance of this plan, the final suggestion of raising levees on both sides, but allowing the east bank the higher levees, was offered.

"The adoption of such an interim morrow with the hearing of wit-nesses from the three states. plan would require the west bank to defer for the time being, final and complete protection against the hypothetical project flood in order to eliminate the floodway," Tyler told questioners.

"It would require the east bank between the mouth of the Arkansus and the Red river calls for construction of the Eudora floodway Yazoo basin by backwater in the event a flood in excess of that of 1929, the greatest of record, ever did occur." Such a prospect-he said,

tection would be \$66,672,000 for the might ultimately prove adequate, folodway and extension plus \$17,928,000 to complete work on main
provements under construction and contemplated, come into play.

The alternate plans also called for completion of work on the main tection afforded by a standard of river in the section between the Arkansas and the Red. Two of the plans would eliminate the floodway for the west bank would end a

RIVER VS. EAST IN DIKE HEARING

Plans Disputed.

Gazette Associated Press.

Washington, May 9.-Louisiana and Arkansas witnesses from the west side of the Mississippi river and Mississippi witnesses from the eat side renewed today their annual flood control controversy beto complete the flood control program for the middle section of the lower Mississippi valley through use of the proposed Eudora floodway in Arkansas and Louisiana or by one of four plans suggested by Gen. Max C. Tyler, president of the Mississippi River Commission.

Since two of the substitute plans involved either a narrow floodway or a northern extension of the proposed Eudora, both of which the

Christian Advocates Levees Of Equal Height.

Former United States Senator Joseph E. Ransdell of Lake Providence, La., C. S. Christian, Little Rock, chief engineer of the Arkansas Flood Control Commission; J. R. Adams of the Louisiana Engineering Commission and Sam J. Wilson, Montrose, Ark., plantation owner, advocated levees of equal section and height on both sides of the Mississippi in the area from the Arkansas to the Red river.

This plan was opposed by J. S. Allen, chief engineer of the Mississippi Board of Levee Commissioners and Walter Sillers, Rosedale, Miss., attorney, who contended if the Eudora floodways was not acceptable they would not oppose one plan suggested by General Tyler providing for a readjustment of levee grades on both sides of the river, but leaving the Mississippi side with a three-foot advantage

Under this plan, Allen said, both sides of the river would be protected against a flood of the size of the record 1927 crisis and Mississippi would be protected against

a hypothetical future superflood. Under this plan, Arkansas and Louisiana interests argued, a future super-flood would top the western levees and inundate many hundreds of thousands of acres of land. They insisted the levee heights should be the same on both sides.

Under the equal heights plan, Sillers and Allen said, 250,000 additional acres of Mississippi cultivated land would be subjected to Yazoo river backwater inundation.

"We think we are entitled to the advantage of higher levees by reason of the topography of our side of the river and because we maintained such a superiority at our own expense before the engineers took over the flood control program," Sillers said. Allen said any break that would allow the entrance of flood waters on the Mississippi side would send these same waters back into the Missis-Four Projects. lead to a break on the other side of the river below.

"I we knew the equal levee plan would afford absolute safety to both sides," Sillers said, "we might be more interested."

Say Mississippians Not Entitled to Advantage.

Representative Allen (Dem., La.)
said Arkansas and Louisiana interests would never be satisfied
"until we are given "until we are given equal protection." He and Representative Norrell (Dem., Ark.) said they did not agree with the theory of Mississippians they were entitled to an added margin of levee safety.

"General Tyler testified the plan for equal levee heights was practical," Representative Allen told Engineer Allen "You people of

practical," Representative Allen told Engineer Allen. "You people of Mississippi seem to endorse only plans that would put the water in Arkansas and Louisiana. Just because you started building levees first is no reason you must always have a superiority

levees were readjusted under the Of Grand River Dam. Mississippi side levees would be three feet higher, and the west side levees would go out in a rec-

FLOOD CONTROL **JOBS FORESEEN**

vision that all land easements and rights-of-way be furnished by local interests without cost.

The omnibus bill would include the Little Rock-Pine Bluff improvements, many of which would be the

filling of old gaps.
Congressman D. D. Terry of Lit-

date have used an original \$25,-000,000. The commission wants an additional \$13,500,000 to com-

Bull Shoals proposal and \$37,000,-000 Table Rock (Missouri) proposal, White river. One and one-half years would be required in

The proposed \$7,159,000 Greers Ferry dam on Little Red river, Heber Springs, Cleburne county.

Representative Allen said if the Review Asked on Operations

Congressman Fadjo Cravens of Fort Smith requested a review of a report on operations of the Grand river dam flood pool, Pensacola, Okla., in connection with Arkan-Saying no spillway has been suggested for the Mississippi side because it wasn't feasible, Engineer Allen said, "we are just careful students of geography."

"You mean you were careful to get on that side of the river to be born," Representative Allen retorted.

Norder Kansas river's inflow in the 1927 flood.

Congressman Terry, Congressman Clyde T. Ellis of Bentonville and probably Congressman Wilbur D. Mills of Searcy will attend the Norfork dam celebration on May

Norfork dam celebration on May 22. Congressman Dewey Short (Rep., Mo.) plans to attend. Governor Adkins will be present. Senator Hattie W. Caraway will attend if Washington duties do not detain her, Mr. Overman said.

Blakely Dam. Gazette 5-11-41 To the Editor of the Gazette:

It is the business of the national government to build, own and control Celebration Blakely Mountain Dam and reservoir, HearingsFavorable

To State.

Blakely Mountain Dam and reservoir, solely in behalf of the people without aid, participation or partnership of any capitalist or corporation. Refusal of the Federal Power Commission to grant a permit to the Arkansas Power and Light Company to construct this dam under such joint ownership, is fortunate for Arkansas. Too many citizens have celebration in Baxter county today, of Arkansas's congressmen believe that a \$250,000,000 omnibus

Blakely Mountain Dam and reservoir, solely in behalf of the people without aid, participation or partnership of any capitalist or corporation. Refusal of the Federal Power Commission to grant a permit to the Arkansas Power and Light Company to construct this dam under such joint ownership, is fortunate celebration in Baxter county today, for Arkansas. Too many citizens have capt. E. G. Herb, executive officonsidered this project one to be used cer, said yesterday. The group basin ir a problem for all of us."

The opening song, "Afferica," was led by Mrs. L. A. Jackson of Little Rock, assisted by Mrs. Nat Capt. E. G. Herb, executive officonsidered this project one to be used cer, said yesterday. The group basin ir a problem for all of us."

The opening song, "Afferica," was led by Mrs. L. A. Jackson of Little Rock, assisted by Mrs. Nat Capt. E. G. Herb, executive officonsidered this project one to be used cer, said yesterday. The group basin it approbation in the upper basin ir a problem for all of us."

The opening song, "Afferica," was led by Mrs. L. A. Jackson of Little Rock, assisted by Mrs. L. A. Jackson of Little Rock, assisted by Mrs. L. A. Jackson of Little Rock, assisted by Mrs. L. A. Jackson of Little Rock, assisted by Mrs. L. A. Jackson of Little Rock, assisted by Mrs. L. A. Jackson of Little Rock, assisted by Mrs. L. A. Jackson of Little Rock, assisted by Mrs. L. A. Jackson of Little Rock, assisted by Mrs. L. A. Jackson of Little Rock, assisted by Mrs. L. A. Jackson of Little Rock, assisted by Mrs. L. A. Jackson of Little Rock, assisted by

Louisiana and Arkansas people said were unacceptable, attention shifted to the two substitute plans eliminating the necessity for a floodway diversion. Opposing witnesses, however, could not agree on either of these plans.

flood control bill to be introduced in the diversion almost as a natural right of the corpora-district engineer; Mai I. R. Crume tion, overlooking the fact that electrication, ity was only a by-product of a government project of protective value to make the trip by automobile and about 20 will ride the Missouri Factorian and about 20 will ride the Missouri Factorian and Corporation and increase of the group value of the corpora-district engineer; Mai I. R. Crume tion, overlooking the fact that electrication, overlooking the fact that electrication, ity was only a by-product of a government project of protective value to the Ouachita Valley in Arkansas and about 20 will ride the Missouri Factorian and Corporation and Corporation

overman of the state Flood Control Commission said yesterday.

Mr. Overman and other commission members and representatives attended House Flood Control Committee hearings in Washington last week.

The commission requested authorization for raising, strengthening and improving levees on the south side of the Arkansas river between Little Rock and Pine Bluff.

Maj. Gen. Julian Schley, chief of army engineers, has concurred in the division and district engineers' favorable reports on the proposal.

Projects for Fourche Island, Tucker Lake and Woodson levee projects have an estimated first cost of \$641,000, subject to the provision that all land easements and creased navigation.

Building of this dam has been urged for 25 years, but the World war, the devision engineer, at Clearwater where oversion and ownership of an unused pression and ownership of an unused for 25 years, but the World war, the devision engineer, at Clearwater where ovision engineer, at Clearwater where pression and ownership of an unused for 25 years, but the World war, the devision engineer, at Clearwater where of 25 years, but the World war, the devision engineer, at Clearwater where ovision engineer, at Clearwater where of 25 years, but the World war, the devision engineer, at Clearwater where ovision engineer, at Clearwater where of 25 years, but the World war, the devision engineer, at Clearwater where ovision engineer, at Clearwater where of 25 years, but the World war, the de-vision engineer, at Clearwater where of 25 years, but the World war, the de-vision engineer, at Clearwater where of 25 years, but the World war, the de-vision engineer, at Clearwater where of 25 years, but the World war, the de-vision engineer, at Clearwater where of 25 years, but th places more than five miles wide. It would forever prevent floods in the Ouachita river, it would extend naviga-tion above Camden to within 30 miles of Hot Springs and 60 miles of Little Rock; it would reduce the cost of hy-droelectric power to its lowest mini-

Such a structure and such a lake tle Rock urged the committee to recommend the authorization. Congressman W. F. Norrell of Montiness to Hot Springs. Its unusual recommend the authorization. Congressman W. F. Norrell of Monticello, in whose district the lower end of the levee territory is located, is a member of the Flood Control Committee.

Mr. Overman said the construction from Little Rock south probably would renew interest in a proposed levee for the east end of Little Rock. Right-of-way was pledged at a mass meeting following the 1935 flood, but property

Tourist attraction because of its nearness to Hot Springs. Its unusual height and the great size and depth of this lake, with its hunting, fishing and boating, with its possibilities of newer forms of fish and game life, could hardly be met elsewhere. Nor need the Arkansas Power and Light Corporation lose heart, for there is still open the leasage of the great water power that the government will create. With the great expanse of water behind this dam as a reserve, the problem ing the 1935 flood, but property this dam as a reserve, the problem Norfork, May 22.—A new day for owners' enthusiasm had cooled by 1937.
United States Engineers are restudying a proposed Fourche Bayou levee project, once unfavorably recommended, to protect Adams Field, municipal airport. (The Fourche Bayou and Fourche Island proposals are separate)

of evaporation probably would be removed from cares of the corporation, and give economy of service not now available. This should prove of competitive advantage to the corporation which now serves almost every county in the fork dam site today to celebrate the beinning of constructive the beinning of constructive to the corporation.

The Washington hearings were "very satisfactory," from an Arkansas viewpoint, Mr. Overman said.

Authorizations Asked For

Authorizations Asked For

Adams site today to celebrate the beinning of construction of the struction of the struction of the Blakely dam and reservoir to its highest possible height and strength.

Adolph Felsenthal.

Camden, Ark.

our Projects. The commission requested autho- Urge Early rizations for: An increased "ceiling" on the appropriation for the White river and its tributaries. Clearwater (Black river in Missouri) and Norfork dam work contracted to the late was a priginal \$25. Blakely Dam

Gazette 5-14-41

Washington, May 12 (A).-Major ploration work on the \$42,000,000 Miles Reeber told the House Flood Control Committee today preliminary reports of army engineers justified flood control work on 15 tributaries of the Tombigbee river \$6,800,000 power and flood control project at the Narrows, Little Missouri river, Pike county, including channel improvement of the river and Oran Ford Teach of the Ford Were figured at \$309. of the river and Ozan and Terre fits, he said, were figured at \$308,-

The committee adopted a resolution asking the engineers to re-view reports on a proposed dam in view reports on a proposed dam in Blakely mountain on the Ouachita river, Arkansas. Representatives Norrell and Harris (Dem., Ark.) urged immediate completion of the Blakely dam. They said Arkansas Power and Light Company's license to construct the dam in co-operation with the government would expire soon under a Federal Power Commission ruling.

669,000. Harris told the committee there had been no progress on the construction in so long that the people of Arkansas were de-manding it be expedited.

detain her, Mr. Overman said. Urges Immediate Construction Of Blakely Description of Blak Attend Dam

Major Kern will meet Lt. Col.

SEEN AS START OF A NEW ERA

Four bands were in the parade which marched down the mountain to the speakers platform at 1 p. m.

The first delegation to arrive was from West Plains, Mo., in 60 cars. It included a band and two Missouri State Patrolmen.

The two special trains, one from Little Rock, the other from Springfield, Mo., came dashing up the narrow Northfork valley at 1 p. m.

Both were late and were crowded Both were late and were crowded to the guard rails. It was estimated that they had 1,000 passen-

The United States Engineers, Utah Construction Company, and Morris-Knudson, Inc., the contractors, were hosts. All work was suspended for the day, and guides were furnished to give the visitors a clear idea of the enormous project. Most of the visitors spent the morning inspecting the job. Many visited the observation tower on the high bluffs overlooking the

First Blast Gouges Deep Into Mountain.

At 3 p. m. a huge charge was fired in the high bluff on the east side of the river, which will be the east abutment for the dam. It was the first major blast in rock excavation in the project. The charge contained 600 pounds of dynamite. Twelve thousand faces were turned toward the bluff, and watched hundreds of tons of rock pitch forward into the narrow valley between the bluff and the river. Sound of the explosion echoed and re-echoed for miles through the surrounding mountains.

The Arkansas State police and Sheriff Powell of Baxter county and his deputies, patrolled the area closely but no arresst were made.

Ex-Judge Ruthven Gives Address of Welcome.

Because the trains were late the program started late. About 2 p. m. Bradley Foster, school su-perintendent of Baxter county, opened the meeting and the Rev. Mr. Barger of Mountain Home of-fered prayer. R. M. Ruthven, former county judge, gave the address

mer county judge, gave the address of welcome.

"I hope that some day the lower valley will enjoy the benefit of flood control form this day and the upper valley will enjoy the power," he said. "This dam program in the upper basin is a problem for all of us."

Only the Beginning, Says Major Kern.

Maj. T. F. Kern, Little Rock district engineer for the United States Army Engineers, stressed import-Army Engineers, stressed importance of the entire program in the White river basin. "The Norfork dam is only the beginning of the development of this great valley," he said. "The chief of engineers has recommended construction of Bull Shoals and Table Rock on the White river at an estimated cost of White river at an estimated cost of

"At the Norfork site, a single dam for the primary purposes of flood control and the production of power is the most economical method of providing flood control and power. This site is suitable for dual-purpose development."

Congressmen Terry And Ellis Speak Briefly.

Congressman David D. Terry of Little Rock spoke briefly. "Construction of Norfork dam is

the beginning of a new day in Arkansas," he said. "It will bring the state into a new era. What we are starting today will place us in a position which Arkansas richly deserves. There is no need for jeals position which Arkansas richly deserves. There is no need for jealousy between the utilities and the government. We need every ounce of electric energy that we can produce. Out of the hills will flow energy that will bring us into our own, and reise Arkansas and Misown, and raise Arkansas and Missouri up into two great common-

Congressman Clyde T. Ellis exnded greetings from Congressen Sam Rayburn, Will Whittingn and others in Washington inrested in the dam program in the Chita Tipon healing. tended greetings from Congress-men Sam Rayburn, Will Whitting-ton and others in Washington in-terested in the dam program in the White river basin.

He read letters from President and out of each three years, a major flood," said Mr. Ellis. "The annual flood loss in the valley is \$2,-000,000, and this alone over a stretch of years would pay for the dams."

'Must Take the Offensive,' Says Governor's Message.

In a telegram read by J. J. Harrison of Little Rock, Governor Adkins said that Arkansas must "take the offensive" in industraliration by obtaining power at proper rates from every available resource.

His policy statement was tele- New Dam graphed here from Washington, where he said he had gone without advance announcement "on an important matter."

kansas Valley Authority, the development on the White and Ouachita rivers, also the facilities of the public utilities to get the The spillway will be built in the

Spirit of Co-operation.

Col. Stanley L. Scott, division engineer, gave a comprehensive picture of the Norfork and other dam projects in the White river basin. He told of the beauty of the Northfork with a love of conducting work engineer Discusses New Dam.

causes death and destruction," he for construction of Clearwater dam asserted. He complimented those on the Black river near Piedmont. present on the co-operation they Mo. Bids have been asked for conhad given to the project. "It is the struction of the dam by rolled-fill first step in many steps to come, and hydraulic-fill methods. They and each step will take the state a little closer to its place in the sun." He said he "rejoiced" that army engineers had unfolded the great potentialities of the White river basin.

The people of the United States "The people of the United States today have never felt more dependent on our military forces than they much construction of levees along do now, and they will not fail the Mississippi river. them," he said. "One reason why army entineers are in charge of Test Laboratories these dam constructions is because of the splendid war training for them. He said that the contractors on the Norfork dam have a national reputation for efficient performance. x

Representatives Of Various Sections Speak.

John Woodruff of the Springfield (Mo.) Chamber of Commerce, commended the co-operation on the dam projects in the upper White river basin, started by John E. Miller, then congressman, in 1934. "We have made headway even in foul weather," he said. "The Nor-fork dam is the beginning of many new enterprises for Arkansas and Missouri, because electrical energy eaches out into many lines of in-

Charles Wood of the West Plains Chamber of Commerce stressed im portance of fighting for the other dam projects in the White river valley. "Arkansas got the Norfork dam. Missouri is not jealous but we will not be satisfied unless we secure power from this dam and other proposed dams. Power dams will not only give us necessary power, but beautiful lakes for rec-

reations as well."
Fred M. Pickens of Newport spoke for Newport, Batesville and the lower valley.

Dr. Jarvis, secretary of the Harrison Chamber of Commerce, spoke for the Harrison delegation.

Virgil Willis, Harrison attorney, also made a short talk.

B. Williams, manager of the Norfork project for the Utah Construction Company, and Morrison-Knudsen Inc., said, "I have seen a lot of dams and dam sites, and the Norford and the Morrison of the part fork dam site is one of the best I

talks.

Judge Miller made the final talk. am glad to be here and am glad to have had a part in this program," he said. "It took a great many days of hard work to get this started and the Norfork dam, which is now a reality, was a dream for a great many years. Arkansas is not yet a great state, but will be if we as citizens utilize and conserve

Work Order

Gazette 5-25-41

Notice to proceed with construc-Mr. Adkins reported that he had tion of the earthen embankment been getting "first-hand information" for the past few years on the Tennessee Valley Authority and "the marvelous progress of industrialization in the Tennessee valley."

"We must secure power and "Tennessee valley."

"We must secure power and "Tennessee valley."

"Tennessee Valley Authority and "the marvelous progress of industrialization in the Tennessee valley."

"Tennessee Valley Authority and "the marvelous progress of industrialization in the Tennessee valley."

"Tennessee Valley Authority and "the marvelous progress of industrialization in the Tennessee valley."

"Tennessee Valley Authority and "the Petit Jean river in Yell country was issued yesterday by Maj. T. F. Kern, Little Rock District engineers. Myers, Myers & Goen of Salem, Ind., the contractors, bid \$1,111,879 for the job."

They must begin work in 30 days

"We must secure power and proper rates through utilization of our water power, sour gas, coal, and steam plants," said the message. "Me must use every resource at our command, including the Arabanas Valley Authority the de-

desired results.

"Every facility of the state government will co-operate to this end."

Colonel Scott Praises

The spillway will be built in the left bank of the river and will be 150 feet wide. Construction under a separate contract is proceeding on a tunnel to the right of the dam through which flow of the river will be controlled. The tunnel is expected to be completed about Oc-

Discusses New Dam.

William Gerig, expert hydraulic Northfork river, and the love of and dredging work engineer of Arsportsmen for the river. "But sometimes it loses its self-restraint like a spoiled child and here last week on proposed plans

will be opened in Little Rock June 3.

Mr. Gerig retired two years ago
as head engineer in the Office of
the Chief of Engineers in Washington, D. C., was a division engineer between 1905 and 1908 on construc-

Moved to Projects.

Most of the equipment of the concrete laboratory in the district office has been moved to the site of Norfork dam. Part of the soils testing laboratory has been moved Booneville and will be operated there shortly. Another part of the soils laboratory will be moved to the Clearwater dam site next month.

Nimrod Engineer Will Be Transferred.

Wendell W. Ralphe, resident engineer at Nimrod dam, now nearly 75 per cent complete, will be transferred to Norfork dam about June 8, it was announced. William Pappenheimer, assistant resident engineer, will succeed Mr. Ralphe.

Work Likely to Be Continued on Dams.

Gazette 5-29-41 Flood control appropriations of the War Department for the 1942 fiscal year beginning July 1 are expected to make possible to com-plete or continue construction on piete of continue construction on the Nimrod, Blue Mountain and Norfork dams in Arkansas, Capt. E.G. Herb, executive officer of the Little Rock District, United tSates Engineers, announced yesterday. The appropriations announced yesterday are: Nimrod reservoir, Perry county, \$540.000; Blue Mountain reservoir, Yell county, \$1,800,000, and Norfork reservoir, Baxter county, \$2,700.000 \$2,700,000.

The Nimrod dam is expected to The Nimrod dam is expected to be completed by November 1. Work was started in March, 1940. Construction on the Blue Mountain diversion tunnel is expected to be completed by October 15. Work was started in July, 1940. The contract for earth embanks ment and spillway was awarded. ment and spillway was awarded this month to Myers, Myers & Goen of Salem, Ind., for \$1.111,879. Construction on Norfork dam be-gan this month, the project to be completed in 1.200 days. Contract

completed in 1.200 days. Contract for approximately \$10,000,000 for construction have been awarded to Morris - Knudsen Company of Boise. Id., and the Utah Construction Company of Ogden, Ut.

Operations at Norfork dam have been resumed following the celebration last week marking the start of construction, Captain Herb said. Approximately 500 men are working on the project, contractors reporting more than 425 persons employed in addition to the government personnel of 60. Work is proceeding in three shifts a day.

Foundation Being Prepared.

Foundation Being Prepared.

Principal section of the work at present is the preparation of the foundation for the huge concrete foundation for the huge concrete structure and completion of the contractors' camp. Foundation work includes stripping top soil and loose rock to reach solid rock on one bank of the stream. More than 110,000 cubic yards of earth have been moved. The construction camp, which is rapidly being completed, is composed of dormitories, duplex dwellings, recreation hall, mess hall, hospital, machine shops, blacksmith shop, electrical shop, warehouses, water and electrical systems and several office buildings.

buildings.

Installation of four bowling alleys is under way in the recreation hall. The hospital has six beds and is equipped with X-ray and operating equipment. A doctor and two nurses are on duty at all hours. Prospective workers must submit to physical examinations

FLOOD CONTROL PLANS MAY BE KNOWN TODAY

Eudora Project Believed Out.

Gazette 5-29-41

House Flood Control Committee had offered by the Flood Control Comvirtually completed work today on mittee last year, but which was not an omnibus flood control bill under- passed because of President Roosestood to abandon plans for a Eudora velt's insistence that national defloodway in Arkansas and Louisi- fense projects be given preference.

in all sections of the country.

The existing plan for protection in the lower Mississippi valley south of It is merely authority for army enthe Arkansas river includes a proj- gineers to undertake construction ect for the Eudora floodway. Ar- of projects after Congress approkansas and Louisiana interests urg- priates money for them.

S.

to the Blue Mountain dam site near ed elimination of the floodway and Projects for Every District strengthening and heightening of levees on both the Mississippi and

the western side of the river.

\$172,412,065 Available To Army Engineers.

Army engineers have \$172,412,065 to spend on navigation, flood con-trol and power plants during the 1942 fiscal year beginning next

The amount, included in the War Department civil functions appropriations bill signed recently by President Roosevelt, was \$7,069,600 above budget recommendations but \$39,559,245 less than was made available to the available to

above budget recommendations but \$39,559,245 less than was made available to the engineers for the current fiscal year.

Of the total in the bill, \$104,143,425 will go for flood control and power works, and \$68,268,640 for rivers and harbors. Maj. Miles Reeber of the construction section of the Engineer Corps said the appropriations would enable the engineers to continue work on scores of authorized jobs and start a few new ones of a national defense character.

Flood control works in the 1942 program and the amounts to be spent during the year include:

Mississippi river (general) \$22,-000,000; Wallace Lake reservoir, Louisiana, \$59,000,000; Denison reservoir, Texas and Oklahoma, \$9,000,000; Blue Mountain reservoir, Arkansas, \$1,800,000; Nimrod reservoir,

\$1,800,000; Nimrod reservoir, Arkansas, \$1,800,000; Norfork reservoir, Arkansas, \$2,700,000; Newport, Ky., \$800,000; Louisville, Ky., \$800,000; Wolf Creek reservoir, Kentucky, \$2,
The committee included \$50,000

Arkansas Affected. 500,000; Nashville district surveys.

areas, Florida, Southwest Pass and South Pass, Mississippi, Louisiana, \$490,000; Sabine-Neches Waterway, Texas, \$1,066,500; Louisiana-Texas intercoastal waterway from the Mississippi river at or near New Orleans, La., to Corpus Christi, Tex., Bluff. \$1,000,000.

Mississippi river between the Ohio and Missouri rivers, \$700,000; Mississippi river between the Missouri rver and Minneapols, Minn., \$4,200,-000; Illinois waterway, Illinois, \$350, 000; Missouri river, mouth to Kansas City, Mo., \$1,500,000.

Miscellaneous, including mainte-nance, surveys, erosion and engineering, \$43,100,000.

PROJECTS BILL **BEFORE HOUSE**

Proposes Spending \$260,000,000. \$2

(Dem., Miss.) of the House Flood Control Committee.

Washington, May 28 (P).—The tially all projects included in a bill

This year's measure, Whittington Members of the committee de- said, "is in line with the president's clined to discuss today's executive recommendation that necessary session, but indicated the committee public works must be planned and might report out its bill tomorrow authorized to provide for the stabilauthorizing flood control projects ization of employment following the existing emergency."

The bill carries no appropriations.

In Arkansas Included.

a two-foot advantage in height over power dam at Bull Shoals on White river capable of producing 190,000 kilowatts of firm power.

This project, advocated by Representative Ellis, topped another for his district, a \$11,000,000 additional authorization for Norfork dam on North Fork of White river in Baxter county to equip this dam

authorization for levee around

sentative Gathings obtained revision of plans for protection in St. Lands, easements and rights-of-Francis levee district to include a way necessary for construction long drainage district below Oak
Domnick, Revision would involve
a cost of about \$900,000, nearly
\$1,000,000 less than original plans.
Bayou Fourche project in the

vicinity of Little Rock was not included in the bill, since army engineers recently refused to endorse it. Part of the project was describ-ed as not economically feasible, Representative Norrell said, while lack of local co-operation was said by engineers to have delayed approval of another part.

\$19,000,000 Proposed For Lower Mississippi River.

Without describing projects in detail, the bill's recommendations included the following expenditures

Washington, May 29.-A bill (H. comprehensive plan including reser-

R. 491_) authorizing \$260,000,000 of voirs in Grand river basin, Okla., flood control projects in all sections and Io., and in the Verdigris river of the country was introduced to- basin, Kan.; \$800,000 on Salt Fork men, all of them fighters, got toon Arkansas river: \$513 000 in vicin

Tennessee river basin-\$13,500,-

Proposed Eudora Floodway Abandoned Under Agreement

A 12-year-old controversy be-tween interests of the east and west sides of the Mississippi river over sat down and wrote out a bill flood protection for the lower valley upon which all could center their was settled amicably in an agree-efforts to have adopted ment abandoning the proposed Eument abandoning the proposed Eudora floodway in Arkansas and Whittington, author of all omni-

The agreement was made by Whittington and Senator Overton (Dem., La.) chairman of the Senate compromise enabled him to draft Commerce Committee on Flood legislation he feels will solve for-(Dem., La.) chairman of the Senate Commerce Committee on Flood Control. Overton's action was approved by Representative Allen (Dem., La.) and Norrell (Dem., Ark.), with whom he had worked for abandonment of any floodway diversion plans.

in the flood control authorization

levees on both the Mississippi and the Louisiana-Arkansas banks of the Mississippi river.

The plan reported tentatively approved by the committee would provide for higher levees on both sides, but would give the Mississippi side a two-foot advantage in height over.

The plan reported tentatively approved by the committee would provide for higher levees on both sides, but would give the Mississippi side a \$42,000,000 flood control and and the back protection levee, are aboutdoored. abondoned.

"Some \$103,000,000 already ear-marked for a west side diversion is released to finance the modified project," Senator Overton said, "in-cluding a \$22,000,000 levee grade re-vision from Cairo to the mouth of the Arkansas" the Arkansas.

The bill embraces the Mississippi River Commission's Plan No. 4 for the middle section of the river from in Baxter county to equip this dam for producing 120,000 kilowatts of electricity. Project previously was authorized for flood control only at an estimated \$16,500,000 cost.

Authority was selection of the river from the Arkansas to the Red. This is the section over which the controversy has raged between residents of Louisiana and Arkansas on the west side of the river and residents of Mississippi on the control of the river from the Arkansas to the Red. This is the Arkansas to the Arkansas to the Red. This is the Arkansa

500,000; Nashville district surveys, \$36,000.

Maintenance of completed works, \$400,000; miscellaneous, including surveys by Department of Agriculture and salaries, \$4,359,642.

Rivers and harbors jobs in the program and the amounts to be spent include:

Pearl river, Mississippi and Louisiana, \$1,897,000; Caloosahatchee river and Lake Okeechobee drainage of the St. Francis river in Arkan-saw would be changed to permit substitution of a ditch in Cross to the substitution of a ditch in Cross county for the suspended portion and levee and flood wall works at De Valls Bluff.

Little Rock-Pine Bluff

Levee Authorized.

In view of modification of the Mississippi valley flood control plan, the existing plan for control of the St. Francis river in Arkan-saw would be changed to permit substitution of a ditch in Cross Country for the suspended portion of the St. Francis river in Arkan-saw would be changed to permit substitution of a ditch in Cross Developed Plan, the existing plan for control of the St. Francis river in Arkan-saw would be changed to permit substitution of a ditch in Cross Developed Plan, the existing plan for control of the St. Francis river in Arkan-saw would be changed to permit substitution of a ditch in Cross Developed Plan, the existing plan for control of the St. Francis river in Arkan-saw would be changed to permit substitution of a ditch in Cross Developed Plan, the existing plan for control of the St. Francis river in Arkan-saw would be changed to permit substitution of a ditch in Cross Developed Plan, the existing plan, the exis

Another \$641,000 authorization, sponsored by Representatives Terry and Norrell, would provide a levee on the south bank of the Arkansas between Little Rock and Pine Bluff.

A \$284,000 authorization was approved for levee work in Crawford and the project would be provided if all local interests give assurances satisfactory to the Secretary of War. of the Oak Donnick outlet to the proved for levee work in Craw-ford county levee district. Repressatisfactory to the Secretary of War

way necessary for construction would be provided without cost to the United States.

The United States be held free from damages caused by construction

Works be maintained after com-pletion in accordance with regulations prescribed by the Secretary of War.

FLOOD CONTROL ACCORD AFTER **LONG ARGUMENT**

Four Men Reach Compromise.

Gazette 6-1-41

Washington, May 31 (A).-Four gether around a conference table ity of Tulsa and West Tulsa, Okla. this week and reconciled differences that ended 12 years of spir-The measure embraces substanally all projects included in a bill
Rossville.

O00 local works at Chattanooga and ited controversy over how the flood control plan for the lower Mississippi valley should be com-

When they finally agreed upon a compromise, Chairman Will Whittington, (Dem., Miss.) of the House Flood Control Committee,

bus flood control authorization bills since the Roosevelt administration came into office, for the

Commerce Subcommittee on Flood Control; Representative W. F. Norrell of Arkansas and Representative Leonard Allen of Louisisentative Leonard Allen of Louisisentative Leonard Representative Leonard Represent ana, for the compromise removed forever the threat of floodways that would allow the inundation of the forever that would allow the inundation of their land

thousands of acres of their land.
Senator Theo G. Bilbo of Mississippi joined in many of the conferences and helped work out a basis for a solution.

basis for a solution.

The compromise plan for the lower valley was made a part of the general flood control bill Whittington offered in the House

Democrat

Conscious and the solution of the lower valley was made a part of the general flood control bill whitington offered in the House

was flooded.

More protests came. Arkansas and Louisiana interests claimed many thousands of acres were subject to the threat of inundation. Overton and Norrell introduced companion bills designed to abandon forever the idea of constructing a floodway and authorizing a floodway and authorizing levees on the Arkansas-Louisiana ey.

Meeting Called for Monday.

Meeting Called for Monday.

At the meeting of the commission of naming a director probably will be finally set addirector at a salary of \$4,000, but Governor Addirector and Norrell introduced companion bills designed to abandon forever the idea of constructions as a salary of \$4,000, but Governor Addirector probably will be finally set and in combination with the other authorized and recommended reservoirs in the White river basin will give flood relief to the lower White and Mississippi rivers."

mouth of the Arkansas.

"The big thing to us is the abandonment of plans for a floodway through some of the best land in Arkansas. Property values in that area should increase and the people will breathe easier from now on."

"Few persons realize there is so much swamp land in that hilly district." Mr. Page said. "A recent survey disclosed there are more than 50,000 acres listed under that classification in the Nimrod and Blue Mountain Dam areas."

The 1850 federal "swamp land" act classified such lands as any 40 acres which embraced more than 20 acres which embraced more than 20 acres which embraced more than 20 acres of overflow or swamp.

Gazette 6-13-41
Geologist Plans Tour.

Prof. L. C. Glenn of the Vander-bilt University Geology Depart-bilt University Geology Department arrived from Nashville, Tenn., yesterday for a week's consulta-tion with personnel of the Little

Proposed Plans Turned Down

C. S. Christian, engineer for the
State Flood Control Commission, is
slated to be named engineer-director

"middle section," it was considered a floodway was necessary to divert water from the river at flood time. Levees high enough to retain the water were not considered feasible.

First the Boeuf floodway in Louisiana was proposed. Interests in that area protested. Then came a decision to substitute the Eudora floodway in Arkansas with exprovision to pay landowners for the use of the property when it was flooded.

Williamson, Monticello, who resigns the earth embankment. The dame is scheduled to be completed in the fall of 1943. It will contain more than 5,000,000 cubic yards of material and will be approximately 150 feet high.

Clearwater dam was one of the first selected by the chief of engineers for construction in the comprehensive plan for flood control in the white river basin and its tributaries, following adoption by Congress of the 1938 flood control act, Colonel Kern said.

than 20 acres of overflow or swamp

Dam to Give Flood Relief

Special to the Gazette. 6-11-41
Piedmont, Mo., July 10.—Flood

protection to the upper Black river valley will be given by Clearwater dam and reservoir, under construction six miles southwest of here, as well as flood relief to the lower Because of Objections.

Back of the agreement lies a story.

When army engineers first undertook the problem of drafting a plan to protect the territory along the big Mississippi south of the Arkansas, commonly called the "middle section," it was considered "middle section," it was considered to be named engineer-director at a meeting of the commission Monday, it was reported yesterday, following appointment by Governor Adkins of two new members of the flood board.

The new appointees are:

Dwight H. Blackwood, Osceola, representing the Sixth Congressional District, and succeeding Lamar was necessary to discontinuous and the commission Monday, it was reported yesterday, following appointment by Governor Adkins of two new members of the flood board.

The new appointees are:

Dwight H. Blackwood, Osceola, representing the Sixth Congressional District, and succeeding Lamar was necessary to discontinuous district engineer, said at a businessmen's meeting here tonight. The dam is being constructed under direction of the Little Rock district engineer, said at a businessmen's meeting here tonight. Work is under way on the outlet tunnel, and work will start soon on the cart engineer. The dam is stated to be named engineer-director at a meeting of the commission Monday, it was reported yesterday, following appointment by Governor Adkins of two new members of the flood board.

The new appointees are:

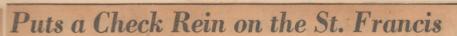
Dwight H. Blackwood, Osceola, representing the Sixth Congressional District, and succeeding Lamar was necessary to discontinuous district engineer. The dam is southwest of nere, as well as flood relief to the lower was flood board.

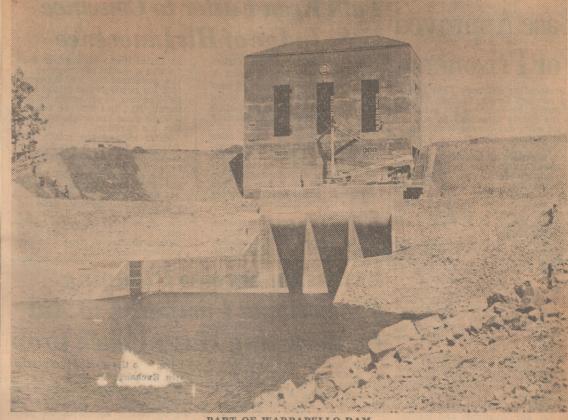
have launched the beautification plan which calls for planting of hundreds of shrubs, several large trees and grass-seeding of the expanse of earth which has been thrown up to harness the turbulent St. Francis River.

With completion of this project

With completion of this project

Arkansas are a thing of the past, out plans for leasing of land which three junior engineers to interview





PART OF WAPPAPELLO DAM.

Man has put a check rein on the St. Francis river, which, it was estimated, caused a loss of \$40,000,000 The throat of throatest persons of the throat of throatest persons of the throat of throatest persons of the throatest persons of throatest persons of the throatest persons of the throatest persons of the throatest persons of the throatest persons of throatest persons of the throatest persons of the throatest persons of throatest persons of the throatest persons of throatest persons of throatest persons of throatest persons of throatest perso during the floods of 1927 and 1928, mostly in Arkansas. Here are shown a part fo the Wappapello dam on the upper reaches of the St. Francis, in Missouri, the control tower, and the concrete tunnel and gates beneath the tower through which the river now flows. The power generating unit is located at the left through the grill near the water's edge. The picture is a little deceiving. Human figures, if they can be made out, will give an idea of the size of the structure. The tower is as tall as a four-story building.

River.

With completion of this project which cost \$6,500,000, engineers declare floods on the St. Francis River in Southeast Missouri and Northeast out plans for leasing of land which the series are working be asked for authority to employ out plans for leasing of land which these junior engineers to interview.

May Become Resort.

A dwelling for the caretaker, and facilities for the public will be completed in due time. Meanwhile, government engineers are working be asked for authority to employ out plans for leasing of land which these junior engineers to interview.

near Benton, as one of three objectives during August and September, will be sought by the state Flood Control Commission, it was decided at a meeting at the capital state of the outlet and diversion tuncles at the Blue Mountain Dam in Yell County had been targeted.

"The right to proceed under the

was about 53 per cent complete on August 1, this year.

Conference Here Tomorrow.

The Hartford Accident and Indemnity Company, Hartford, Conn., surety for the contractors, has been notified of the action by the district engineer, with the result that a representative of the surety will hold a conference here Saturday morning with the engineers to determine if the surety will take over the contract or it will be completed by the government.

Inspectors of the Little Rock discovered the control bill included:

Lower Mississippi River—Channel

government.

Inspectors of the Little Rock district began an inventory of the equipment, materials and plant at the site, immediately after the termination message was dispatched to the contractors. Except for completing necessary parts of the work, such as curing concrete poured in pleting necessary parts of the work, such as curing concrete poured in the last day or two, and receiving materials and equipment being delivered at the site, no work will be done pending the conference Saturday. Work is expected to be re-

day. Work is expected to be resumed in the near future.

Blue Mountain Dam will be a unit in the comprehensive plan for flood control on the Arkansas river and its tributaries. The dam is located about 15 miles southeast of Boone-

The diversion tunnel will be through the south bank of the stream. It will be 20 feet in diameter and approximately 1,020 feet

Dam Contract Set.

A contract was awarded May 12, 1941 to Myers, Myers and Goen, Salem, Ind., for construction of the earth dam and spillway, on a bid of \$1,111,379. The dam will be about 2,800 feet long, 115 feet high and is scheduled for completion July 1, 1943. The reservoir will have a storage capacity of 258,000 acre feet, of which 233,000 will be for flood control and 25,000 acre feet will be for a permanent pool, having a surface a permanent pool, having a surface

of 2,900 acres. Operation of the reservoir is intended to provide flood protection to farm lands for the 57 miles down stream to the conjunction of the Petit Jean and Arkansas rivers, and assist in flood control on the Arkansas

A section of the John Kerns Com-any contract with the government eads: "If the contractor refuses or reads: "If the contractor refuses or fails to prosecute the work, or any separable part thererof, with such diligence as will insure its completion within the time specified in Article One, or any extension thereof, or fails to complete said work within said time, the government may, by written notice to the contractors terminate his right to proceed with the minate his right to proceed with the work or such part of the work as to which there has been delay."

president's action in signing the legislation was part of his declared policy of creating a backlog of projects which expenses a packlog of projects which expenses are supported by the chairman said include. ects which may be undertaken after the current emergency ends. They the current emergency ends. They could be used at that time to take up employment slack caused by the essening of the pace of defense pro-

The text of the president's statement follows:

The flood control bill (HR4911) authorizes the construction of new

terms of the contract was terminated flood control projects, but it does not make any appropriations for so as to insure its completion within the times specified," Col. Kern said.

The construction work was started by the contractor in June 1940, and was about 53 per cent complete on August 1 this work.

Lower Mississippi River-Channel Lower Mississippi River—Channel improvements, levees and reservoir work, including Yazoo Basin, Bouef Floodway and Eudora Floodway north to Arkansas River, \$11,982,000. Red-Ouachita River Basin—Local works at Calion, Ark., \$50,000; Narrows reservoir on Little Missouri River, Ark., \$3,000,000.

White River Basin-Expansion of present comprehensive plan of flood control, \$24,000,000; local works between Augusta and Clarendon, Ark. and at DeValis Bluff, Ark., \$2,847,-

Arkansas River Basin — Local works between Little Rock and Pine Bluff, Ark., \$641,000; local works in Crawford County Levee District, Ark., \$284.000.

ville. Extensions Granted. The contract for construction of the outlet works and diversion tunnel was awarded the Kerns Company June 10, 1940, and a notice to proceed with work was issued June 19, with the completion scheduled for July 26, 1941. Several extensions of time have been given the contractors, Colonel Kern said, the present completion date being early in the fall. The bid price for the contract was \$686,877.10. The diversion tunnel will be FOR VARIETY OF **RIVER PROJECTS**

authorizing a \$275,000,000 flood control program and made it clear that all projects would be held up which are not important to national defense.

The measure merely authorizes

construction of scores of projects without appropriating funds for

"In approving this bill," Mr. Roosevelt said in a statement, "I wish to make it clear that during the present emergency I do not in-tend to submit estimates of ap-propriation or approve allocations

president's action in signing the legislation was part of his declared

The chairman said authorizations include:

Arkansas river basin-An additional \$29,000,000, bringing total to \$50,000,000, including cost of pro-

miles north of the Arkansas border, in Missouri.
Little Missouri river—The Narrows
reservoir near Murfreesboro, \$3,-

000,000. Other authorizations include Other authorizations include:
Lower Mississippi river — Channel improvements, levees and reservoir work, including Yazoo basin, Bouef floodway and Eudora floodway north to Arkansas river, \$11,982,000.

Red-Ouachita river basin — Local works, Calion, \$50,000.

White river basin — Local works between Augusta and Clarendon, and at DeValls Bluff, \$2,847,000.

Arkansas river basin—Local works

Arkansas river basin—Local works between Little Rock and Pine Bluff, \$641,000; local works in Crawford County Levee District,

WORK ON NORFORK DAM SLOWED DOWN BY

pecial to the Gazette. 9-7-41

Mountain Home, Sept. 6.-Construction of the Norfork dam is being slowed down because steel, electric cable and repair parts for equipment now in use are hard to

equipment now in use are hard to get, due to defense priorities.

It was expected that the gigantic crushing and gravel and sand washing plants would be completed by August 15, but while practically complete, they still lack a few parts. These parts are in transit, but the delay has cost the contractors they wasks in getting them in tors two weeks in getting them in

pouring concrete about September 25. The immense foundation trench pouring concrete about September 25. The immense foundation trench has been excavated to within one to three feet of solid rock. The last foot of excavation in rock will have to be done with bore and wedge methods. Blasting cannot be used in this last excavation operation, as it would crack the underlying ledge, and the face of the foundation must be intact.

Preparations for a 209-ton capacity plant for refrigeration of water of funds for any project which does not have important value in the national defense."

White House officials said the ity plant for refrigeration of water in the dam has been started. The water will be circulated through a network of one-inch metal tubing the national defense."

White House officials said the network of one-inch metal the embedded in the dam to absorb the heat liberated from the con-

By President

Measure Authorizes
Projects Without

Auty Appropriations.
Wainingfol 10/- President Rosewelt, are unamass Flood Control Commission's undivided attention when saints and the dear that all projects would be held up which are not important to national defense. Projects without and mande it clear that all projects without appropriations.

Wainingfol 10/- President Rosewelt, are unportant to many the mande and it is the street of the production of scores of projects without appropriating funds for the manual proportion of the control with the street of them.

Projects Without

Auty Appropriations.
Wainingfol 10/- President Rosewelt, are unportant to national defense.
Wainingfol 10/- President Rosewelt, are unportant to national defense.
Wainingfol 10/- President Rosewelt, are unportant to national defense.
While the projects without appropriating funds for the projects without appropriating funds for the project of the project o

each employe.
Gravel and sand hauling started last week. The material is being dug from an immense gravel bar at Herron, on the north bank of White river. A spur has been built from the main line of the White River Division to the bar, and three trains \$50,000,000, including cost of proposed Oklahoma projects.

Norfork dam in Baxter county—Additional \$13,500,000.

White river comprehensive plan—Additional \$24,000,000, including work on Bull Shoals and Table Rock dams, the latter a few digging and loading the material

617 Men at Work

Peak employment at the dam during the last 10 days has been cunning around 617 men. Bernard Williams said that when concrete the work is started the last of the month, employment will be increased 20 per cent. Most of the levee, Congressman Norrell and Mr. Maner will return to Washington. new men employed will be car-penters, who will work on wooden

forms for concrete.

The latest addition to the buildings is a guest house, designed and furnished by Frances H. James, purchasing agent. It contains nine rooms and will be used by visiting

White River Projects Held Of Interest

Gazette 9-18-41

Development of potential hydroelectric power from the White river is of national interest, Lt. Col. T. F. Kern, Little Rock district engineer, told the weekly luncheon meeting of the Little Rock Lions Club at Hotel Marion yesterday.
"The chief of engineers has rec-

ommended the construction of flood control dams in the Arkansas and White river basins and the production of power at Norfork, Bull Shoals and Table Rock because they are economically justifiable," Colonel Kern said. "Although the Little Rock district now has under construction two reservoirs and the North Little Rock pumping plant in the Arkansas river basin, the potential hydro-electric power from the White river makes the develop-ment of the White river of greater national interest at this time."
The 1938 flood control act, au-

operation.

Bernard Williams, project manager said that if there were no further delays, workmen will begin concrete about September

The 1938 11000 control act, authorizing initiation of construction of flood control reservoirs in the White river basin, provided that provisions should be moved.

tion must be intact.

The bluff which forms the east abutment of the dam has been cleaned off and blasting for the footings will be started soon. All excavation operations are up to schedule.

The bluff which forms the east velopment is most desirable. For example, the dual-purpose Norfork development will cost considerably less than the total cost of a flood control project and a power project at that site."

Calonel Kern outlined specifications

Colonel Kern outlined specifica-tions for the Norfork dam, started last spring as a flood control dam. Under provisions of the 1941 act, it completed as a dual purpose dam within three years.

Officials

give "the limit in future flood pro-tection" to more than 1,500,000 acres, constituting the richest alluvial lands in Jefferson, Lincoln, Ashley, Desha and Chicot counties.

Construction of Nimrod dam on Fourche La Fave river in Perry county, a unit in the comprehen-

engineers, business representatives, and others, who find it necessary to spend a day or two on the project.

Special to the Gazette. 9-28-41 Mountain Home, Sept. 27.—The Mountain Home, Sept. 27.—The survey of aggregate that can be used in the construction of the Bull Shoals on White river was started by the United States engineers this week. The survey will include all gravel bars, limestones, sand and other material that could go into construction. construction

A reservoir map of the Bull Shoals project has been completed by the

cated on the White river, 15 miles stream flow is made next spring. above Cotter, on the boundary line of Baxter and Marion counties. Bull

Perfect Dam Site. The Bull Shoals site is a perfect dam site. It is a deep gash, with a mountain rising from the river on the Marion county side, and a small narrow bottom on the Clyde Bryant farm on the Baxter county side, Immediately back of the bottom is a high bluff which makes a perfect

abutment.

The Bull Shoals dam will be one of the largest concrete dams in the United States. It will be of concrete gravity construction, 2,235 feet long with a maximum height above the stream bed of 223 feet, with controlled white and the stream of the trolled sluices and spillway. The complete structure will coutain approximately 1,700,000 cubic yards of concrete. The spillway has been designed to accommodate a flood, with sluices in a closed position, greatly in excess of the maximum record. The plan provides for the installation of power generating units with a capacity of 190,000 kilowatts.

Work Ahead of Schedule. Work on the Norfork dam is mov

vial lands in Jefferson, Lincoln, Ashley, Desha and Chicot counties.

Mississippi River Straightened.
Engineers have taken many kinks out of the Mississippi river since the last time it went on a rampage. Between a point about 30 miles above Arkansas City, where the Arkansas empties, and the Angola landing in Louisiana, a the Angola landing in Louisiana, a

distance of 370 miles, the Mississippi river has been shortened 136.28 miles. This straightening also has aided in flood control and is said to have lowered by 12 feet the high-water mark at Arkansas city.

Following the inspection of the levee, Congressman Norrell and Mr. Maner will return to Washington.

Materials For

Bull Shoals

Job Surveyed

Special to the Gazette. 9-28-41

Alago Maj. J. R. Crume Jr., executive officer, said yesterday reports indicate the work is about 95 per cent complete. The last concrete in the roadway and bridge across the spillway section of the dam was poured Saturday. Cleaning of the site and construction of an operator's residence are included in work yet to be done. A separate contract will be made for construction of the reservoir formed by the dam will have a storage capacity of 335,000 acrefect of water when complete. Thirty thousand acre-fect of the reservoir will form a conservation pool, extending 15 miles above the dam. For about six miles, the pool will be a mile wide.

Bids for the contract were opened February 27, 1940, and work was

Bids for the contract were opened February 27, 1940, and work was started less than a month later.

Clearwater Dam Excavation Under Way.

Excavation for the cut-off trench in the foundation of Clearwater dam, now under construction on Black river near Piedmont, Mo., was started this week, Maj. J. R. Crume Jr., executive officer, United States Engineers, Little Rock District announced vesterday.

core drilling on the Bull Shoals foundation will be started soon. Some foundation drilling has been done and was favorable. The new work will be let under contract and will get under way as soon as bids are advertised and let.

States Engineers, Little Rock District, announced yesterday.

The cut-off trench will be excavated to solid rock across the entire valley along axis of the dam.

The space will be filled with impervious material similar to the impervious center of the dam proper are advertised and let.

The Bull Shoals project, along with Table Rock on White river, just above the state line in Taney county, Missouri, were authorized as multiple purpose dams by Congress.

The Bull Shoals dam site is located on the White river, 15 miles stream flow is made next spring. pervious center of the dam proper and will tend to prevent seepage of

Far-AwayFlood Shoals takes its name from Bull Shoals mountain, which rises majestically from the river in Marion county. It is shaped like the back of a bull, and is one of the highest mountains in this section.

ControlProjects

Launched by Launched by Federal

Authorities To Protect Lowlands in Arkansas

Scattered widely over Colorado, New Mexico, Kansas and Arkansas, a total of 19 dams have been authorized by Congress as part of the flood control program for the vast area known as the Arkansas River Valley.

Located, with one exception, on tributaries of the Arkansas, the system of reservoirs, which probably will cost more than \$100,000,000, is designed to regulate the flow of water so as to prevent serious floods in the lower Arkansas River Valley in Oklahoma and Arkansas.

The original Arkansas Valley The original Arkansas valuey program as prepared by U. S. Engineers in 1938 contemplated 13 reservoirs. More recent acts of Congress, however, have revised the original plan to add seven new dams and eliminate one of the original projects.

The fact that 19 dams have been authorized, though, does not mean the completion is anywhere near completion. Years may elapse between the time the dam is authorized and the time money is appropriated and construction actually starts. Long-Time Program.

Long-Time Program.

Only six of the 19 are now completed or under construction. They include the Caddoa on the Arkansas River in Colorado; Great Salt Plains on the Salt Fork of the Arkansas in Oklahoma; Conchas on the South Canadian river in New Mexico; Ft. Supply on Wolfe Creek in Oklahoma; Nimrod on the Fourche la Fave in Arkansas; and Pensacola on Grand River in Oklahoma. in Oklahoma.

Although electric power will be a by-product of some of the dams, all are listed as flood control projects. The two in Colorado and New Mexico, however, actually are probably irrigation jobs, according to C. S. Christian, engineer for the Arkansas Flood Control Commission.

"Only 20 per cent of the water that falls in Colorado ever gets down here now," he said. "The rest is taken off for irrigation. I guess they are going to take some more." In that connection, the New Mexico dam is beyond the western limit of the area in which rainfall affects the Arkansas river, he pointed out.

Two Arkansas Projects.
Only two of the 19 dams are located in Arkansas. One is Nimrod, now virtually complete, and the other Blue Mountain Dam on the Petit Jean river. Funds for its construction have

The majority of the dams, 11 ill be located in Oklahoma, the remaining four

addition to Great Salt In addition to Great Salt Plains, Ft. Supply and Pensacola, the Oklahoma Dams authorized are, Mannford on the Cimarron River; Tenkiller Ferry, Illinoise River; Optima and Canton, North Canadian River; Wister, Poteau River; Huley, Caney River (tributary of the Verdigris); Markham and Ft. Gibson, Grand River.

Grand River.
The four Kansas dams are
Toronto, Fall River, Neodesha
and Elk City, all on the Verdi-

gris River.

Equipment for generating electric power has been authorized in the Pensacola, Markham Ferry and Ft. Gibson Dams in Oklahoma and Nimrod in Arkansas. Power probably will be authorized for other dams at a later date

Record Cable Being Used On Norfork Dam

Special to the Gazette. 10-12-41 Mountain Home, Oct. 11.-The first 1,500,000 cubic yards of concrete required in construction of Nears Norfork dam was poured yestercable way ever used in dam construction was completed and placed in use. in use.

The cable way, spanning 2,836 feet between the towers, will support weights up to 20 tons. The cable weighs 18.5 pounds per linear county is scheduled for completion

Concrete required for the dam, if United States Engineers Office said it all were shipped at one time, would require the use of 80 50-car freight trains having a total length of 35 miles. Employment when concrete operations reach the peak is expected to be about 1,000 men. Total cost of the project, including the installation of power generating facilities, is expected to be about \$27,550,000.

bic yards of concrete when com-pleted. It will be a multi-purpose dam for flood control, power and recreational facilities. No congressional authority has been given Fave river to its junction with the

of the Arkansas river basin between Little Rock and Tulsa, Okla., and the White river besin above New-A ga the White river besin above Newport will be made by the National Resources Planning Board's Southwest Mississippi Basin "A" Committee at the Albert Pike hotel at 9:30 a. m., October 24.

The area includes the Ozark and Ouachita mountains, important territory for land use studies.

The principle of the garden hose ritory for land use studies.

Ouachita mountains, important territory for land use studies.

Arkansans on the committee are by Georgs C. Branner, state geologist; C. S. Christian, engineer for the state Flood Control Commisn, and L. A. Henry, engineer-di-tor of the state Planning Board.

Blakeley Dam Hearing November 27

St. Louis, Oct. 15 (A).-The Arkansas Power and Light Company's appeal from an order by the Federal Power Commission terminateral Power Commission terminat-ing a license for construction of penters were used mainly to build the Blakely dam on the Ouachita river will be heard November 27 by the United States Circuit Court.

The company, which expended \$1,600,000 on land acquisition, engineering and preliminary construction costs, had sought an extension of the completion date for the project. After hearings in Washington last December, the commission refused the request and revoked the license, effective September 1, 1941.

The order said construction had not been pursued "in good faith and with due diligence." final

The petition said operations on the project were suspended in February, 1937, because the commission and the Army Corps of Engineers had "failed to take any action whatsoever, favorable or otherwise, on plans and specifications.

The company denied asking an indefinite postponement of the completion date but said it had sought an extension until such time as the commission might direct, "considering all economic factors."

The company proposed expanding the plans to provide for a multi-purpose flood control and power dam "to serve the broad public in-terest of the Ouachita valley."

It also asked authority to build a steam generating plant in the "sour gas" field of southwestern Arkansas to supply high load factor power for national defense industries, the plant to be constructed ahead of the Blakely dam.

The commission, in terminating the Blakely license, denied the company permission to build the

Nimrod Dam

by December 1, officials of the Concrete required for the dam, if United States Engineers Office said

\$27.550,000.

Construction of the dam was started in April by the Utah Construction Company and Marrison manent conservation pool which struction Company and Morrison-will extend 15 miles upstream into Yell county. The clearing is sexpected to contain 1,500,000 cu-Christmas.

Two Penstocks Installed.

gressional authority has been given for an appropriation of power generating facilities.

Resources Planning Board To

Meet October 24.

Plans for continuing water studies of the Arkansas river basin between to 14,000 kilowatts campute to 14,000 kilowatts campute for appropriation of power installation would amount to 14,000 kilowatts campute for appropriation of power installation would amount to 14,000 kilowatts campute for appropriation of power installation would amount to 14,000 kilowatts campute for an appropriation of power generation should congress authorize installation would amount to 14,000 kilowatts campute for appropriation of power generation should congress authorize installation would amount to 14,000 kilowatts campute for appropriation of power generation should congress authorize installation would amount to 14,000 kilowatts campute for appropriation of power generation should congress authorize installation would amount to 14,000 kilowatts campute for appropriation of power generation should congress authorize installation would amount to 14,000 kilowatts campute for appropriation of power generation should congress authorize installation would amount to 14,000 kilowatts campute for appropriation with the power generation should congress authorize installation would amount to 14,000 kilowatts campute for appropriation with the power generation should congress authorize installation would amount to 14,000 kilowatts campute for appropriation with the power generation should congress authorize installation would amount to 14,000 kilowatts campute for appropriation with the power generation should congress authorize installation would amount to 14,000 kilowatts campute for appropriation with the power generation should congress authorize installation would amount to 14,000 kilowatts campute for appropriation with the power generation should congress authorize installation would amount to 14,000 kilowatts campute for appropriation with the power generation would amount to 14,000 kilowatts campute

nozzle, will control the stream flow through the dam, and seven giant gates, operated by oil power-driven pistons, will be opened when heavy flood waters are to be let out. The dam will store 335,000 acre-feet of water forming a lake of 18,300

Giant Cableway Sold.

A giant cableway, which was brought here after use on the Norris and Hiwassee dams of the Tennessee Valley Authority system, has been sold to S. A. Healy Construction Company and will be used on the engineers' Wolf Creek dam in Kentucky, William Pappenheimer, resident engineer, said. The concrete mixing plant will go to the TVA. the TVA Many Carpenters Employed.

Although the dam is of concrete at the peak construction period

more carpenters were employed elaborate arches and other forms which the concrete was into moulded.

In October, 1940, 460 men were employed at the dam with a pay roll of \$12,000 weekly. At present 177 men are employed with a pay-roll of approximately half that amount. Work has proceeded in eight-hour shifts 24 hours a day.

Blakeley Dam Hearing Likely To Be Held at Camden.

Special to the Gazette. 10-17-41 Camden, Oct. 16.—Maj. W. H. Hastings of the Corps of Army Engineers at the Vicksburg (Miss.) office notified the Chamber of Com-

OVER PROTEST AT CONVENTION

BroadDevelopment Plan Favored.

A resolution which in effect endorsed the proposed Arkansas Valley Authority, but not by name, was adopted over the protest of private utility representatives by the eight-state Southwest Valley Association in convention here yes-

Meeting at the Hotel Marion, the organization approved a recommendation that "an authority of some character" be created to harness the Arkansas, White, Red and St. Francis rivers primarily for flood control and then for irrigation and paying development

The resolution, presented by a committee after lengthy debate, was written following an address by Congressman Clyde T. Ellis of Bentonville, sponsor of the pending AVA bill in Congress. Difference of opinion concerning the associa-tion's intent as embodied in the recommendation was voiced later by four officials.

J. C. Murray of Little Rock, secretary of the Resolutions Committee, said the AVA was not mentioned because Congressman Ellis announced his bill would be changed "to meet certain objections of Western states."

Victor Barnett of Tulsa, Okla., associate editor of the Tulsa Trib-une, who was elected president, said the resolution was a tacit endorsement of the AVA bill in principle, with the provision that United States Army Engineers supervise construction of reservoirs for all purposes and operate flood control facilities after the dams

are built.
Secretary W. C. McClure of Camden of the Arkansas Flood Control Commission, who was elected third vice president of the association, "This resolution does not mean an endorsement or rejection

of public power."

T. M. Markley of Tulsa, lawyer for the Public Service Company of Oklahoma, moved to table the resolution. He charged that Congress-man Ellis was "just another congressman who wants to get in the power business." His motion received few votes and was lost.

nother reason for creation of the AVA, said the government will an-nounce in Washington "within a matter of hours, or a very few days at the outside," that it has "been forced to develop its own power" for the proposed \$60,000,000 aluminum plant allocated to Ar-

"It will not be an exclu-"The decision is already made." sive Rural Electrification Adminispromise between REA and the De-

that the AVA be "set up as quickly cheap power."

the dam. W. C. McClure, Chamber of Commerce secretary, said that the Ouachita Valley Association has filed briefs setting up the importance of flood control as well as power development. A dual purpose dam has been endorsed by the Camden Chamber of Commerce.

Adolph Felsenthal, long an advocate of a dual purpose dam and known as "father of river navigation" of the Ouachita, has urged that the hearing be held here.

AVA ENDORSED

Mr. Ellis lashed out several times at Governor Carr of Colorado, both of whom have voiced opposition to the AVA.

"We think it ill behooves the West to step in here and object." Mr. Ellis said, explaining that the project would not interfere with irrigation in Oklahoma and Colorado, both of whom have voiced opposition to the AVA.

"The deep truth is that Governor Carr, a Republican, and Governor Carr, a Republican, and Governor Carr of Colorado, both of whom have voiced opposition to the AVA.

"The deep truth is that Governor Carr, a Republican, and Governor Carr, a Republican, and Governor Carr of Colorado, both of whom have voiced opposition to the AVA.

"The deep truth is that Governor Carr, a Republican, and Governor Carr, a Republican, and Governor Carr, a Republican, and Governor Carr of Colorado, both of whom have voiced opposition to the AVA.

"The deep truth is that Governor Carr of Colorado, both of whom have voiced opposition to the AVA.

"The deep truth is that Governor Carr of Colorado, both of whom have voiced opposition to the AVA.

"The deep truth is that Governor Carr, a Republican, and Governor Carr, a Republican, and Governor Carr, and Gov

At another point he said: "Public power and cheap power have virtually encircled Arkansas. We can see it across the river in Tennessee and Mississippi and Kentucky. We hope to get a little of it in northwest Arkansas through the KAMO transmission Rural Electrification. Electrification Administration co-operative, if Governor Phillips ever gets through sabotaging it for the benefit of the power companies."

Private Utility Rates Said to Be Too High.

Then he launched into an attack duce it. on rates of the Arkansas Power and Light Company and other utilities operating in the proposed AVA basin. He said the rates are "so abominably high that millions cannot afford it, and so high that commerce and industry, in our highly competitive economy, can never experience normal growth." He again referred to the "out-rageously high salaries of their of-

ficials—as in the case of the Ar-kansas Power and Light Company, the \$36,000 salary of its president, whose duties consist chiefly of lob-

Retiring President N. R. Graham of Tulsa commented at the close of the address that "Congressman Ellis' speech was forthright and, in the case of Arkansas, sensa-tional."

Utility Representative Defends Private Firms.

While the Resolutions Committee debated in another room, J. A. Whitlow of Tulsa, vice president of the Public Service Company of Ok-

lahoma, arose to say:

"So many of our people [private utility officials] are afraid to answer back, but damn it to hell I'm not. These attacks on the utilities are usually made from prepared papers by those who get off in some out-of-the-way place, where no one is ready to answer. "Mr. Ellis charged the utilities hold monopolies. I don't know what

he is talking about. The states of Oklahoma and Missouri do not grant exclusive franchises. Arkansas issues indeterminate permits which can be revoked at any time."

Mr. Whitlow, who was associated with the Arkansas Power and Light Company at Pine Bluff five years before going to Tulsa, years before going to Tulsa, charged that the association had become a lobby to "get you to submerge flood control in favor of

Public power."

Contending that the Tennessee Valley Authority would "go out of business in six months if it had to business in six months if it had to pay the equivalent of taxes," he asked why Congressman Ellis did not compare TVA rates with those of private utilities in St. Louis, Madison, Wis., and Spokane, Wash,. "where power can be produced at lower rates than in Tulsa, Springfield, Mo., and Little Rock." Mr. Ellis had cited much higher rates in the latter three cities than those in the TVA-served city of Tupelo,

Colorado Official Hits Congressman Ellis, assailing power rates of private utilities as Proposed Authorities.

Phoenix, Ari., Oct. 17(A).-Proposed regional authorities to con-trol water development and conservation of natural resources "strike at the very roots of the economic and social well-being of the peo-ple," Clifford H. Stone, director of the Colorado Water Conservation

Speaking before the tenth ansive Rural Electrification Administration set-up as some had hoped. Reclamation Association, Stone said advocates of authority legislation failed to recognize that there ex-

Stone demanded that the states recommended." "Day before yesterday, Senator maintain their freedom to enter into water compacts among them selves, and that local and state Floods Described."

plans had not been submitted and the company had failed to establish when it proposed to proceed with and complete the work.

In its appeal, the company contended the order was "unreasonable, capricious, arbitrary and contrary to law."

The petition said operations on the project were suspended in February, 1987, heaven the company had failed to establish when it proposed to proceed in relation authority be set up as quickly as possible. We are going to revise the bill some and Senator Lee is going to help sponsor it in the Senate."

Colonel Montgomery described to national interests.

The motivating force behind authority legislation, he said, is cheap going to help sponsor it in the Senate."

He charged that under the cloak of flood control and power production, the project defend authority legislation, he said the dam had been closed since March, 1940. The first flood in April, 1941, had a volume of 1,350,—

Opposition of Western Governors Criticized.

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April 1940, inflow as the first flood poses, including irrigation.

Rayburn Opposed To Including DenisonDam

Washington, Oct. 17 (A).—Senator Lee (Dem., Okla.) said today Speaker Rayburn (Dem., Tex.) had expressed opposition to including the Denison dam hydro-electric

Lee and Representative Ellis (Dem., Ark.) said after a visit to the White House this week that they would offer new legislation to create an Arkansas Valley Author that had this flood. thority along lines of the TVA and bring under the AVA Denison dam which is in the speaker's district and the Oklahoma Grand River dam hydro-electric project. Lee said the legislation was be-

ing prepared but he did not know he and Ellis would intro-

DAM AUTHORITY SAID TO IGNORE ARKANSAS NEED

Needless FloodLoss In State.

Gazette 10-18-41

Grand river in Oklahoma to control Arkansas river floods was placed on the steps of the Grand River Dam Authority, an Oklahoma state agency, by a representative of the United States Engineers here the United States Engineers here of navigation, obtained agon to the United States Engineers here.

yesterday.

Lt. Col. Harry A. Montgomery,
Tulsa District engineer, told the
Southwest Valleys Association convention at Hotel Marion that if
recommendations of army engineers
had not been rejected by the dam
authority four damaging floods
along the Arkansas river since April along the Arkansas river since April Overman, chairman of the Arkan-

along the Arkansas river since April along the Sas Flood Control Commission, and John T. Woodruff of Springfield, Mo., long an advocate of flood control Commission, and John T. Woodruff of Springfield, Mo., long an advocate of flood control Commission, and John T. Woodruff of Springfield, Mo., long an advocate of flood control Commission, and John T. Woodruff of Springfield, Mo., long an advocate of flood control Commission, and John T. Woodruff of Springfield, Mo., long an advocate of flood control Commission, and John T. Woodruff of Springfield, Mo., long an advocate of flood control Commission, and John T. Woodruff of Springfield, Mo., long an advocate of flood control Commission, and John T. Woodruff of Springfield, Mo., long an advocate of flood control Commission, and John T. Woodruff of Springfield, Mo., long an advocate of flood control Commission, and John T. Woodruff of Springfield, Mo., long an advocate of flood control Commission, and John T. Woodruff of Springfield, Mo., long an advocate of flood control Commission, and John T. Woodruff of Springfield, Mo., long an advocate of flood control Commission, and John T. Woodruff of Springfield, Mo., long an advocate of flood control Commission, and John T. Woodruff of Springfield, Mo., long an advocate of flood control Commission, and John T. Woodruff of Springfield, Mo., long an advocate of flood control Commission, and John T. Woodruff of Springfield, Mo., long an advocate of flood control Commission, and John T. Woodruff of Springfield, Mo., long an advocate of flood control Commission, and John T. Woodruff of Springfield, Mo., long an advocate of flood control Commission, and John T. Woodruff of Springfield, Mo., long an advocate of flood control Commission, and John T. Woodruff of Springfield, Mo., long an advocate of flood control Commission, and John T. Woodruff of Springfield, Mo., long an advocate of flood control Commission, and John T engineer's original proposal to con-struct three reservoirs along the lower Grand river for flood control and generation of hydro-electric

power.
One of these was the present Pensacola Dam. The others were the proposed Markham's Ferry and Fort Gibson dams.

"This approved plan provided for the reservation at all times in the three reservoirs of 1,685,000 acre-feet of storage for the capture of flood flows," Colonel Montgomery said. "Of this total, 960,000 acre-feet would have been reserved for this purpose in Pensacola reservoir

Operating Plan Changed by Authority.

He said the dam authority changed the operating plan for the Pensacola project, increasing the power storage by 420,000 acre-feet, but with a corresponding reduction in the available flood control storage. This change, Colonel Mont-gomery said, reduced the flood control storage in the dam from 960,-000 to 540,000 acre-feet.

The storage space was cut another 295,000 acre-feet, he said, when the dam authority was re-lieved of the responsibility of acquiring additional lands at a higher elevation.

And so today, as a result of these two modifications of the develop-ment recommended by this department, we have the Grand River Dam operating with only 240,000 acrefeet of available flood control storfense Plant Corporation."

Mr. Ellis said President Roosevelt expressed the hope this week that the AVA he "set up as quickly cheen power"

Indeed to recognize that the construction is an expanding and tested program of water development providing irrigation, flood control and only 14 per cent of the 1,685,000 cheen power" acre-feet which this department

feet in the reservoir, mostly in the power pool," he said.

The dam was able to hold the dis-

charge of water below that of the flow into the reservoir "but it had no material effect on flood conditions in the Arkansas river." As a result, a stage of 30.6 feet was reached at Van Buren, which is about nine feet above "bank-full stage."

"The major contributor to Arkanthe Denison dam hydro-electric project in Arkansas Valley Authority legislation at this time.

"He said he wanted to give it thorough study," said the senartor.

Lee and Representative Ellis

"It is particularly significant that, had this flood capacity of 1,685,000 acre-feet been available for use during the four floods which I have described, the entire flood flow from above the dam could, if downstream conditions required, been stored in the three reservoirs until downstream conditions permitted release without producing overbank stages.
"Under these conditions, no dam-

age would have been done to the valley below the dam site, nor would any flood flows from the Grand river contributed to flood flows in the Arkansas river down-

As a result of this address, the As a result of this address, the association adopted a resolution recommending that the federal government take over the Pensacola dam and construction of Markham's Ferry and Fort Gibson dams be carried out under districtions of the contraction of the contract rection of army engineers.

The resolution criticized the dam

authority for not accepting the en-gineers' recommendations of flood control features of the project.

Reports Made By Other Speakers.

Failure of the Pensacola Dam on Grand river in Oklahoma to control Arkansas river floods was placed on the steps of the Grand

ture program, suggested an edu-cational program be inaugurated to inform residents of the eightstate area of progress in flood con-trol. He recommended a \$50,000 annual budget but warned against affiliation of the association with "state politics."

A resolution calling for nation-wide support of the Soil Conser-vation Service was adopted.

V. Barnett of Tulsa Elected President.

Victor Barnett of Tulsa was elected president of the association to succeed a fellow townsman N. R. Graham. The latter succeeded to the chairmanship of the board. Other new officers:
John P. Morrow. Batesville, first vice president; W. G. Twyman, Poteau, Okla., second vice president; W. C. McClure, Camden, third vice president; F. L. Vaughan, Oklahoma City, fourth vice president; Gene Williams, Helena, fifth vice president; Glade Kirkpatrick, Tulsa, sixth vice president, and Mr. Murray, seventh vice president, and T. L. Geren, Fort Smith, treasurer. Members of the Board of Directors:
Arkansas—E. A. Matthews, Pine Bluff; J. F. Sloan, Black Rock; M. W Greeson, Prescott, and Reece Caudle, Russellville.
Oklahoma—Oscar Anderson, Oilton; Mike Martin, Muskogee; T. Elmer Harbour, Muskogee; F. S. Hurd, Broker Arrow.
Missouri—John T. Woodruff, Spring-

Arrow.

Missouri—John T. Woodruff, Spring-field; Arch T. Hollenback, West Plains; Rev. J. E. Chase, Branson, and C. C. Keller, Springfield. Louisiana—George D. Holland, Mon-

roe; Wade O. Martin, St. Martinsville; roe; Wade O. Martin, St. Martinsville; W. H. Hodges Jr., Elm Grove, and B. C. Powell, Farmington.
Texas—John M. Fouts, Dallas; C. L. Palmer, Texarkana; C. S. Clark, Austin, and V. C. Marshall, Temple.
Kansas—W. J. Small, Neodesha; W. Carter Hall, Coffeyville; George S. Knapp, Toledo.
Colorado—Arnold Bauer, Lamar; M. M. Simpson, McClove, and M. C. Hinderlider, Denver.
New Mexico—To be appointed.