BOULDER DAM SECTION **ELKS' SPECIAL CONVENTION NUMBER**



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VOLUME TWENTY-FIVE

LAS VEGAS, CLARK COUNTY, NEVADA, TUESDAY MORNING, JULY 2, 1929.

The Massive, Towering Walls Where Colorado Will Be Dammed.

A LITTLE HISTORY OF THE LONG FIGHT FOR THE GREAT ENTERPRISE

Why Project Is Necessary—Why Opposition Arose-Necessity For Inter-State Compacts—Power Corporations Satisfied.

The necessity for controlling the floods of the Colorado River was first made a public issue by the disaster which befell Imperial Valley in 1905, when the river left its channel during high water and flowed unhampered for many months into Salton Sea. The damage to the Valley by the flood waters and the certainty that the entire region surrounding Salton Sea would be submerged unless the river was forced back into its regular channel caused widespread demand for a remedy.

The Southern Pacific Company, after the Imperial Valley had exhausted its resources in the fight, finall by the expenditure of about \$2,500,000, managed to check the flow into Salton Sea, turning the Colorado back into an old channel through which it again found its way to the Gulf of California.

With this disaster and narrow River to hold flood waters. This meeting the necessity of an agree-

With this necessity ever in view seen to be a preliminary which the idea was gradually spread that must be accomplished before Bourthe federal government should con- der Dam could be built. struct the work and the officials At a continuance of this confer-

rector of reclamation.

The Editor of the Age, from the of the World War. Henry C Schmitz completed a preliminary survey for a dam at Boulder Canvon. With his associates, who had ample capital at their command. he applied for a permit to construct the dam, after having complied with all the governmental requirements. This permit was about to be granted when the World Van caused the U. S. government to frown on the enterprise at that time. This ended Mr. Schmidt's

Early in 1920, the city of Los Angeles, seeing the future need of both water and power, proposed that a convention be held to promote the subject of development of the Colorado. As the result the League of the Southwest held a great convention April 1, 2 and 3 1920, at which were present some 2,000 delegates representing the organizations of the southwest and great organizers, financiers and statesmen from all over the nation

Knowing the interest of the Editor of the Aage in the matter, Gov Emmet D. Boyle appointed C. P Squires as his personal representative at that convention, Capt. S. S. Arentz (now Congressman), Dr. R W. Martin, E. W. Griffith, Charles S. Sprague, James Cashman, C. B Smith and George A. Duncan were other Nevadans who were dele-

At that convention C. P. Squires was member for Nevada of the committee on resolutions. At a late hour the evening of April 2, the second day of the convention, the hearings of the committee came to a close after listening to many feasible and infeasible suggestions and to many protests, most of them from women's clubs of Lo: Angeles against building a dar and destroying the wonders of the Grand Canyon.

The convention was slated to end the next noon and the committee had no report. Gov. D. W. Davis of Idaho, who was chairman of the resolutions committee, suggest ed that "Governor Squires" be requested to write a resolution for submission to the committee next

"Governor Squires" saw in this an opportunity and accepted the charge. After working all night, at nine o"clock the next morning he had a set of resolutions ready. These received the unanimous approval of the committee and were Phillips last fall. adopted by the convention before

adjournment at noon. This resolution written by the Editor of the Age and given wide publicity throughout the country had as its first WHEREAS and its first RESOLVED the construction

of a great dam, at or near Boulder Canyon and a recommendation that Congress appropriate \$50,000 for investigating the site. This gave to Boulder Dam project its first nation wide publicity

and marked the beginning of the final period of intensive effort which resuted in the passage of the

Boulder Dam bill last December. In May, 1920, as a result of the

escape from entire destruction fresh and because of the prominence givin mind, the people of Imperial en to Boulder Dam, the governor Valley started their demand for of Colorado invited the governors flood control on the Colorado. The of the Colorado River states to plans at that time were vague, but meet in Denver. At this meeting it was apparent that a dam must Nevada again was represented by be built somewhere on the Colorado the Editor of the Age. And at this incidentally, wouldf urnish addi- ment with the upper basin states tional irrigation water to lands in on the division of water for the preservation of their luture was

of the U S. Reclamation Service ence in August 1920 the form of a began a more intensive study of bill was adopted, which was afterthe river. Nothing of a very def- ward passed by congress, creating inite nature was developed during a Colorado River Commission with following 15 years although a a representative of the federal vast amount of information was government as a member; also states

Herbert Hoover, then Secretary of time of his arrival in Las Vegas :n Commerce, was appointe federal 1905, had frequently called atten- member of the commission and bel tion to the perfect site for a great came chairman. For the next two dam at or near Boulder Canyon. Ir. years, during which State Engineer 1914, just prior to the beginning Scrugham, Ed W. Clark, and C. P. commission, hearings were held in various parts of the west, hundreds of statements received and witnesses heard and a vast amount of are at an end. information on the Colorado River December 14 and signed by the secured.

> River Commission with Hoover as chairman and Gov.-Elect Srugnam, Ed W. Clark and C. P. Squires representing Nevada, was held at Santa Fe, New Mexico, beginning Santa Fe, New Mexico, beginning into agreement with her sister into agreement with her s November 9, the second day after the general election. On November President I 24, the Colorado River Compact proclamation which was the startdividing the water into allocations ing gum. of 7,500,000 acre feet per annum Secretary Wilbur and Dr. Mead each to the upper and lower basins, with the engineers of the reclamavith an additional 1,000,000 acre tion service, have been here, made feet to the lower basin, was signed their plans for the work and started in the historic Palace of the Gov- the machinery of the government. ernors at Santa Fe.

But fate, in the shape of the vot- bitter antagonists of Boulder Dam, ers of Arizona, had played an un- have given up the fight. They rec-November 1922, Governor Campbell moping and have come out cheerelection. His opponent was Gov- power they can get and cooperate ernor Hunt, who was elected after with the government in the project. make the trip. a bitter campaign.

Governor Campbell and his Ari- palities not depending on the power zona water commissioner, W. S. corporations, have themselves given Norviel, were both present at the assurances that they will take all the development of the river and not be had for the power has been interested states had been invited permitted to take. to sit with the commission, but the project is unquestioned. nvitation. It was apparent to all, lays before the compact was formed and before any man could know that it would provide, that Gov.

President Hoover, Secretary Wilbur, Dr. Mead and every agency of most positive assurance that there the government have given us the landing, and the navigation compact the description of the solution that it would provide, that Gov.

Hunt would be against whatever should come out of the Santa Fe should come out of the Santa Fe ranged and within a few months. conference. And it is a matter of the greatest engineering work of all ad history that he was against it the centuries will be going full blast and that during the six years ne cmained governor of Arizona, Govrnor Hunt and his supporters detoted their time and talents in and attempt to justify the arbitrary familiar with conditions in Las position assumed because of their Vegas, now the child of descript of

former Governor Campoell. prado River policy except the policy of opposition and destruction. From forming and misleading the resple, ed the dam site and announced an

Nevada Colorado River Commis- ing the dam with all speed. and C. P. Squires were memoe.s, the officials here, was the an- the future building operations who of the navigation company are The establishment of great samito secure an agreemeent with Ari- nouncement by the great power was not enthusiastic and more zona governor and commission, necessary to finance the work.

The six months period within the building of Boulder Dam with- it." League of the Southwest meeting ended. Secretary of the linerio terprise.

The final meeting of the Colorado President December 21, 1928

All the governors-elect of the surance of complete financing for ranged and within a few months

personal and political hostility to Nevada. The visit of prominent During the six years of the Hurt familiarize the rest of the scate administration Arizona had no Col- with this city. me untenable position to another Wilbur, Commissioner of Reclamathe Arizona governor shifted with tion Mead and engineers of the dethe winds of circumstances, misin- partment came to Las Vegas, visit-

until his final defeat by Governor terms which cannot be misunderstood that the government will The years of effort made by the proceed with preparations for build-Nevada Colorado River Commis- ing the dam with all speed. We've never taken a passenger man's at 1 p.m. Tuesdays. Thurs- ling and the news created man's at 1 p.m. Tuesdays. Thurs- ling and the news created man's at 1 p.m. Tuesdays. Thurs- ling and the news created man's at 1 p.m. Tuesdays. Thurs- ling and the news created man's at 1 p.m. Tuesdays. Thurs- ling and the news created man's at 1 p.m. Tuesdays. Thurs- ling and the news created man and the news created man's at 1 p.m. Tuesdays. Thurs- ling and the news created man and the news cre Syphus, James Cashman, Ed Clark velopment following the visit of nitude and to look at the site of

zona were years of discourage- corporations, which for years have than satisfied after having taken Pickwick stages and other cars, of on Boulder Lake will through all

ment. Finally despairing of arous- been fighting the project, that the the trip," he said "Sometimes when course, will supplement this reg- the years attract many thousands ing a spirit of fairness in the A11- would contract for all the power if they are in doubt as to whether ulas service during the convention. of people of means who will con-Congress last December passed the This declaration removes what trip we tell them to go ahead and Navigation company, operating un- Las Vegas. Boulder Dam bill, leaving it to ever small doubt remained in the pay nothing if they don't find it der a Nevada franchise, bought out Arizona to stay out or come in as minds of any as to the ability of worth while. And no one has ever the Hesse-Emery interests a short the government to proceed with failed to come back enthused about time ago and now plans to add center of a great non-metaline min- the reclamation bureau, in an inwhich the bill was held inoperative out any delay except that neces- "Frand Dodge, our boatman, is cording to Cashman. Paul Schwartz of cheap power to be produced by published in the Age of May 6

NEVADA WILL BENEFIT GREATLY BECAUSE OF BUILDING OF PROJECT

Headquarters for Operations-Millions of

Payroll to Flow Through Las Vegas Busi-

gathered by Arthur P. Davis, di- bills for adoption by each of the Secretary Wilbur and Commissioner of Rec- Las Vegas Is Gateway to Boulder Dam and lamation Mead Pushing Preparations For Work—Assurances of Contracts For Power Remove Last Fear of Delay.

which the Boulder Dam project

Six months have elapsed while

President Hoover has issued his

The Southern California munici-

The bugaboo that contracts can-

Many an "up-stater" ic

IMMEDIATE ACTION IS

ASSURED BY INTERIOR

DEPARTMENT'S PLANS

Guests To Be Given Chance To See. The Scene of Gigantic Boulder Engineering Project

View of the Black Canyon Boulder Dam Site. Through Which Visiting Elks Are Taken in a Power Boat

Pickwick Stages Engaged to Accommodate All Who Wish to Go to River; Daylight to Dark Service Promised; Cars Will Meet Trains; Early Trips Urged by Chairman.

That most interesting of all trips around Las Vegas, tion because of geographical and cubic yards, and before The power interests, for years, the ride to the boat landing by stage and thence down-physical conditions. stream between the great, jagged, precipitous walls to the happy prank. In the election of ognize the futility of further dam site by boat, will be made available during the whole of Arizona was a candidate for re- fully saying they will take all the period of the Elks' convention here to all who wish to

No matter how many want to see the spot at which this greatest of all engineering feats of its kind will soon over sveeral times of the money Santa Fe conference. Both favored the power or any portion they are be begun, facilities are being arranged for which will be the development of the river and the development of the river and knocked into a cocked hat. The aswere satisfied with the compact.

Where development of the river and knocked into a cocked hat. The asable to accommodate all, according to James Cashman, on the work will be the vast amount is a great river,
after the tunnels are built president of the Boulder-Grand Canyon Navigation company, who is in charge of this feature of the program.

landing, and the navigation com- handled the boat after he took Las Vegas during the constructive greatest structure ever attempted

This service will be communed pleasant time of day for it.

"Cars and busses will meet the 3:55 a.m. train from Los Angeles Nevada Elks here should new to make arrangements for making an early trip to the dam site for those who wish to go at that time," said Cashman.

dam site are informed that head- an hour. The trip from Las Vegas development. Great mills and quarters for the start of the trip the landing to the site, and back, in and manufacturing plants of every are at the office showroom of to the landing takes an hour and variety will seek this location be- feet high. Cashman's garage, on North Main the return trip an hour, making a

"Never Disappointed"

"We've never taken a passenger or not they should take the boat

"Dodge is the man who acted as from daylight to dark, said C. ... head boatman for the Patch-Bray man, who urged all who can do so Colorado River Expedition two head boatman for the Patch-Bray to make the trip as early in the years ago, which was the first morning as possible, thereby avo - party ever to go through the huning the rush and having the most dreds of miles of canyon from Green River, Utah down the river without a casualty. He has made this trip twice, and is conceded to |,

Three Mile Boat Ride

total of something slightly over three hours for the entire journey.

days and Saturdays, and the boats farmers.

other state through the construc- building of four tunnels, the ag-

advantage unique and unprece- erably more than the great Huddented in the history of great pro- son tunnel under that river in jects. She is the only city near the New York City, and which is site, on a transcontinental railroad known as one of the world's great-and with an ample water supply for est achievements. These tunnels he building of a city of 50,000 or will be a fourth larger. or 100,000 people. These features To excavate those tunnels, to make it necessary that Las Vegas move the sand and gravel out of be the Gateway City through which the bottom of the river at the spo the business of the great enterprise where the dam will be built, be will be carried on. There is no other fore it can be built, will require city able to compete for that posi- the moving of about three million

During Construction

During the years of construction that will be impounded between Las Vegas will be the business cen- cofferdams, and that will me ter through which will flow most of over 1,700,000 cubic yards of water the millions to be paid for labor. The capacity of those bunnel This payroll money will, perhaps will carry the floods of this

Second only to the direct payroll will have to do that because

work there undertaken. Not only the work at the dam site And after these things are done he will contribute to the business of we will begin what is to be

their plants in Las Vegas. After Completion Those who have made the closest study of the situation are convinced that the greatest benefits to Las Vegas and the state at large will 3,000,000 yards of concrete. The come after the Boulder Dam is

Great metallic and non-metallic undertaken in this country. resources in southern Nevada, now be well-versed in the habits of the of little value, are awaiting the time er the entire state of Kentucky electric chemical plants for the sep- foot deep. It wil take the entir aration of ores, smelting and refin-The boat trip takes the pass- ing plants; quartz glass industries Those who wish to go to the enger three miles downstream from when cheap power is at hand for cause of power advantages.

The agricultural and horticultural districts of the valley will be irrigated by cheap power for pump-The regular stage leaves Cash- ing and the newly created market

ready for use on call. The use of tariums, hotels and pleasure resorts The Boulder - Grand Canyon tribute argely to the business of covering 140,000 acres of land an

equipment as more is needed, and eral industry with the availability terview with the Editor of the Age

ENGINEERING FEATURES PRESENTED IN BUILDING BOULDER DAM PROJECT

Massive Barrier Highest Dam Ever Proposed -Forms Greatest Artificial Body of Water On Globe-One Million Horse Power Electrical Energy Available.

Dr. Elwood Mead, commissioner of the U. S. Bureau of Reclamation, in his address in Las Vegas June 22, gave some interesting facts relative to the Boulder Dam project.

One of the first steps is the building of a laboratory in Las Vegas for testing materials, money for which was appropriated by Congress.

A highway must be constructed immediately, a permanent highway from the two ends of the dam until it reaches out into the open coutry. That will be built now because it will wind along and around those cliffs and would be a dangerous and very difficult operation after the dam is erected and a great power plant built below, so that will be one of the first features of construction

went down stream twenty miles an been modified in some respects hour and came back breasting a since that date, the figures remain current that ran 18 feet per sec- still sufficiently accurate for pur-

omfort of the people who are Among other things, Mr. Young a considerable city of several thou- The concrete to construct the

years, and up to the top of miles long.
cliffs. It would be impossible Of machinery and steel, 50,000 ness Channels-To Have Cheapest Power.

will be twice as high as the Wool- train 10 miles long. greater in proportion to her present. When construction begins the as sand, gravel, cobblestones, population and wealth than any first great operation will be the building of four tunnels, the age of cubic yards. Moved in 30 yards. the most casual observer. These tunnels will be fifty feet ing a train 1800 miles long. Las Vegas occupies a position of each in diameter, which is consid-

train 1,400 miles long. ecessary in the construction in

Pennsylvania and Union Pacific ystems, with enough left over to ake a train which would reach

around the dam, which is Such an amount represents tre- equal to the flow of the Missis mendous business possibilities ca- at St. Louis. They will carry pecially when one counts the turn- much water as the Mississippi ca

and travelers from every country to the cofferdams installed, these col view the Canyon and the gigantic fordams will create a lake 10 mile

them to the dam site two weeks period, but many minor industries by man, and perhaps the greates them to the dam site two weeks incidental to the work will have of the kind ever to be built, be aus as much as it has here that it is possible to build a structure like Boulder Dan

> That structure wil require abou is about six times as much as w. completed and cheap power is avail- be used at the Owyhee dan which is the largest dam so far

flow of the river for a year and half. It will be ten times as large as the Elephant Butte reservoir the largest in this country. The dam wil be seven hundred

It will produce 1.000,000 horsepower, or as much as can be pro duced at Niagra Falls without de-

The building of this dam and horse power will mean the opening up of latent resources. It will mean that this will become one of the great health and pleasure resort of the country.

It will mean a lake 100 miles long the evaporation will be such as to modify the climate locally.

Walker R. Young, engineer o for Arizona's benefit has expired. arily incidental to preparing the promptly on the day the period ended. Secretary of the laterior terprise.

for Arizona's benefit has expired. arily incidental to preparing the an expert," said Cashman. "He was is secretary and treasurer of the preparing the complimented by the reclamation corporation and Vail Pittman is perts who have nade sturies of the interesting illustrations of the interesting illustrations of the interesting illustration.

We went through the canyon in though the plans for the dam has boat provided by this cary this though the plans for the dam has poses of comparasion.

sand people, who will have to live dam and appurtenant structure there close to the dam to carry would be sufficient to build a colout its operations, and they will umn 100 feet in diameter three made for a crete in the Arrowrock and Ele

The cement to build the dam, if

climb and for that purpose we tons will be used, requiring 1,250 will have to install elevators that cars, sufficient to make a solid

carloads, in a separated condition it would require 218,000 cars mak-

If all excavated materials from foundations, diversion tunnels, etc., were hauled in 30 yard cars, it would require 167,000 cars, making The movement of all materials

ars, divided into 40-car trains, would require 10,000 such trains. If each train were supplied with ne locomotive and all trains couprain long enough to extend from New York to Los Angeles over the

rom Los Angeles to San Francis-In the above figures no account taken of the machinery, equipent, food and other supplies nec sary to supply the camp or for ne transportation of the thousands

Guests Will Be Given Free Rides to Resort

Free transportation by bus beween Las Vegas and Lorenzi's reort will be given visitors who have uest cards during the three days f the Elks' convention here, I

ered and private cars will suppleent these if necessary, according o the committee. The three-mile retch of road to the resort, where nost of the festivities will be held as been oiled and the trip now ill be a pleasant one, between anes of trees and without the ouds of dust which used to make riving hazardous when there was much traffic on the road. This, service will be available uring all the festivities at the

Lus Vegas has gotter the habit seeing real big-time wresting bern, world champion light heavyeight, 'airplane spin' Leo Faponas to defeat. They saw Papionas row the Canadian champion, Al uford, over the ropes to defeat. low they're going to see a world hampionship Greek title prgued riday, between Papionas and Kotonaros, who claims that title,

Elks who are here long enough to make the grade" will not regret if they take the trip up off the esert into the forested region of It. Charleston, to see the contrast f desert and wooded mountains vithin a few short miles of each