## **FACTS CONCERNING**

HOOVER DAM

Down in the rock-walled recesses of the One of the most appealing features of Black Canyon of the Colorado River the Boulder Canyon Project was the plan stands one of the greatest engineering to amortize the entire cost of the dam accomplishments of all time — Hoover and powerplant (less 25 million dollars Dam. Constructed and operated by the allocated to flood control) through the Bureau of Reclamation, this huge struc- sale of electric energy over a period of ture was begun in 1931, and the dam 50 years, ending in 1987. and power plant were completed in 1936 —two years ahead of contract schedules.

Hoover Dam is great, not only from the standpoint of engineering techniques, but in the far-flung results which have accrued to the economy of the Southwest. By impounding the waters of the Colorado during the flood period it has eliminated yearly threat of flood damage to the fertile regions below it. And as the floods are prevented, the water thus stored assures a stable supply for irrigatnia cities of Pasadena, Burbank, and ing hundreds-of-thousands of acres of Glendale are the principal power allottees. land in southern California, southwestern Arizona and in Mexico.

In addition, supplies of domestic water have been made available to the Los Angeles and San Diego metropolitan areas. And, finally, while serving all its major objectives, vast amounts of hydroelectric power are being generated. Today the Hoover Dam power plant is one of the largest in the world.

Thus, Hoover Dam is not only a monument to the skill of the engineer, but more notably it is a monument to the vision, zeal, and courage of those who

essary that the Secretary of the Interior have contracts negotiated that would assure the repayment of all costs to the Government within the amortization period. These contracts were secured, and the States of Nevada and Arizona, the City of Los Angeles Department of Water and Power, the Metropolitan Water District of Southern California, the Southern California Edison Company, the California Electric Power Company, and the Califor-

Before construction started it was nec-

During the late war Hoover Dam became one of the key installations in the Nation's war effort. Its energy flowed to airplane plants, shipyards, synthetic rubber factories, aluminum plants, steel mills, and many other industries directly engaged in war-time production. In the 26 years between its first gen-

eration of power in 1936 and May 31, 1962, Hoover Dam power plant produced more than 105 billion kilowatt-hours of electrical energy. Gross revenues from the sale of electrical energy during this same period was nearly 197 million dollars.

## **AMERICA'S HIGHEST DAM**

doover Dam has the distinction of being plant and all appurtenances nearly 4,400,the western hemisphere's highest dam. 000 cubic yards of concrete were used. Rising 726.4 feet above bedrock it is as The dam is of the arch-gravity type, high as a 60-story skyscraper. With a in which the water load is carried by base thickness of 660 feet, it equals in both gravity and horizontal arch action. thickness the combined length of two Maximum water pressure on the dam's normal residential city blocks. It is 45 base is 45,000 pounds per square foot. feet in thickness at the crest, and the Hoover Dam was built to raise the length of crest from canyon-wall to water level 589 feet. However at this

Observation gallery

affords visitors a goo

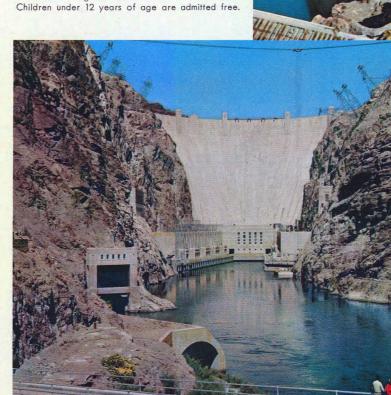
quarter of a mile. and one-quarter million cubic yards of released over the gates the water level concrete, and in building the dam, power would be raised 581.4 feet.

canyon-wall, is 1,244 feet—nearly one- elevation both spillways would be carrying near maximum discharge. With the Hoover Dam contains more than three spillway-gates raised and no water being

ks. The Nevada wall of Black Canyon is shown as solid,

ereas the Arizona wall is cut away to reveal the intake

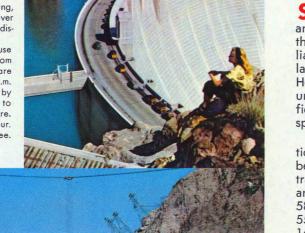
vers, the spillway, the penstock pipes, and outlet works de the Nevada wall of the canyon a similar set of diver





Visitors are conducted through the Dam power plant, and the principles of the whole project are explained by well-trained and courteous guides hese facilities are available every day of the year. In addition to the guided tour, an exhibit building, with a topographic model of the Colorado River Basin and a scale-model of a generating unit on dis-

play, is open to visitors. Tours through Hoover Dam and powerhouse operate continuously 8:00 a.m. to 5:00 p.m. From Memorial Day through Labor Day, tour hours are extended to begin at 7:00 a.m. and end at 8.00 p.m. U.S. Bureau of Reclamation guides take visitors by elevator 528 feet down into the Dam, and thence to vantage points throughout the mammoth structure. A nominal charge is made for the 45-minute tou





LAKE MEAD

**National Recreation Area** 

become a popular playground, attracting about three million visitors annually. The lake, when filled, is 589 feet deep, has a shoreline of 550 miles, and a surface area of 163,000 acres. It extends 115 miles above the dam, and has opened up hitherto inaccessible vistas of scenic beauty. Water sports such as boatswimming are popular through the ong summer season. At Lake Mead Marina, where

are anchored the larger cruisers of the Las Vegas resort hotels and many Southern California craft, there are rentals ranging from rowboats to cruisers. For the tourist there are also regularly-scheduled sightseeing boat tours to nearby Hoover Dam as well as special charters available the year-around.

Fishing, however, is an all-year activity as there is no closed season and the lake abounds in black bass, bluegill, crappies, and catfish.

in all of Clark County there are nearly 200,000

separately incorporated, has over 23,000; and it has grown to over 78,000; North Las Vegas

ou "The Strip"—Las Vegas has indeed "grown

With skyscraper hotels both downtown and

which produces the revolutionary metal, ti-

Between Las Vegas and Boulder City is

excellent stores, schools, including "Nevada

opened in 1956. Out past the Hotel Horseshoe,

skyscraper, the Hotel Fremont of 13 stories,

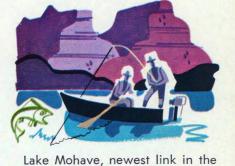
Famous Fremont Street downtown is con-

ter of Las Vegas where smart apparel and

known entertainment groups. Immediately ad-

"'tound the clock" and feature nationally

The well-managed city of Las Vegas boasts



chain of man-made lakes along the lower Colorado, is also included within the Lake Mead National Rec reation Area. It reaches from the Hoover Dam tailrace to Davis Dam. 67 miles downstream. Although it has been in existence only since 1950. Lake Mohave has already be ing, fishing, water skiing, and come a top attraction for sport fishing. Its bass fishing rivals that of Lake Mead and thousands of rainbow trout have been planted in its depths and are flourishing in the clear, cold water released from Lake



station now stands, a land auction gave Las

at a spot where the Union Pacific Railroad

60 years after Fremont's visit that his camp-

White Way of the West." It was more than

In the year 1844 Captain John C. Fremont

ranches such as Twin Lakes Lodge, which fea-

Is sti te sloog enimmiws anom sed segal sel.

where the sun shines 99 days out of a nun-

vigorating climate and setting of the desert

of Fire, the towering Charleston Mountains,

Hoover (Boulder) Dam, Lake Mead, the Valley

and the gay attraction of resort life combine

splendor of the Southern Nevada landscape

Tournament of Champions," and guest newspapers.



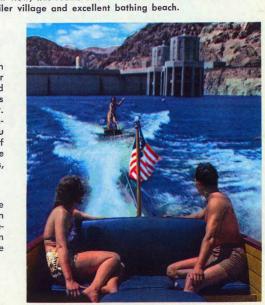
Beyond the Lodge is public campground, trailer village and excellent bathing beach.

#### **BOULDER CITY, Nevada**

Seven miles from Hoover Dam on a high summit overlooking Lake Mead, is Boulde City. It is a charming, completely equipped city planned originally to house the workers on the Dam. It is now an incorporated city. The Dam with its power and reclamation features are under the jurisdiction of the Bureau of Reclamation. The recreational facilities of the Area are under the National Park Service whose Naturalists conduct talks, boat trips, and provide other public contact services.

**VISITORS' BUREAU** At the Visitors' Bureau free movies on the

"Construction of Hoover Dam" are shown daily from 7 a.m. to 9 p.m. Free daily bulletins are issued to tourists giving information on all of the attractions in the area. On sale are camera supplies and souvenirs.



UNION PACIFIC RALLROAD

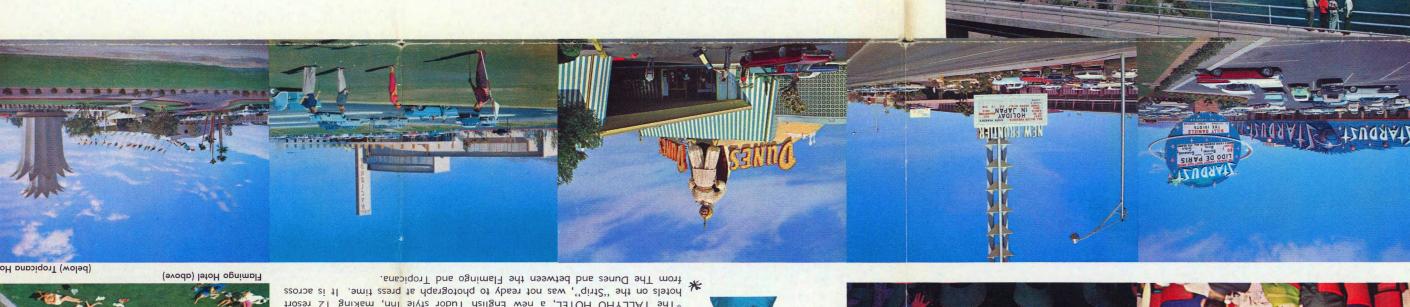
LAS VEGAS A Scenic Sportland—Where "Every Day's a Holiday"

as Vegas is the hub of a vast scenic and sports wonderland, as the map shows, of contrasting desert and mountains, inland lakes, national recreation areas and parks where visitors enjoy a holiday spirit all year. There is a wide range of hotel, lodge, resort or guest

ranch accommodations from which to choose.



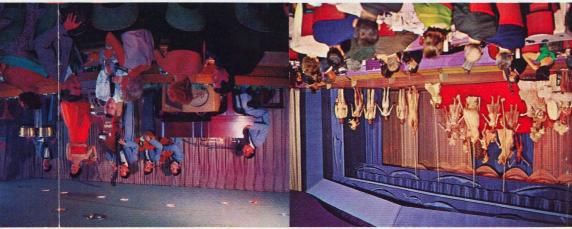




\*The TALLYHO HOTEL, a new English Tudor style Inn, making 12 resor radio and TV stations, swank restaurants and smart shops. lounge entertainment. Along the "Strip," on both sides, are also modern motels, arch-lighted boulevard for six miles; also two scenes from typical stage and retured here are eleven\* multi-million dollar resort hotels located along thin teature casino lounge entertainment from early evening until dawn. In addition to the elaborate dining room productions, each of the hotels also offer a "late-late" show on Friday and Saturday nights which begin at 2 a.m cocktails these extravaganzas unfold twice nightly. Some hotels, as in TV, favorites from Hollywood and Broadway . . . and for the price of dinner or

see international stars from Paris, London and Rome, along with your own at the same time. Here in the "entertainment capital of the world" you can set with 11 channels . . . and all of them broadcasting full-color "spectaculars" ne way of looking at "The Strip" is to compare it with a gigantic televisic

"Vegas Vicki" Invites You to Las Vegas' World Renowned "Strip"





,0401 ni 000,9 ylno to noiteluqoq s mori" Trom a population of only 9,000 in 1940,

have some difficulty finding the proper words. Vegas on the map for conventions national upon his "camping ground" today he would sation piece" of the industry and placed Las wrote about "a camping ground called Las Vegas," But if the good Captain could gaze opened in 1959, at once became a "conver-

ing, barbecues and swimming for family re- chemical and processing plants, including one tures horseback riding, rodeos, boating, fish- Henderson, Nevada, location of a dozen

Country Club, scene of the world famous tions, three television stations, and two daily 18-hole golf courses, including the Desert Inn has four radio stations with network affiliasort city. Also in Las Vegas there are five develop its industry and mining resources.

mercial hotels than any other comparable re- churches, and has a long range program to major resort hotels, 275 motels and 35 com- Southern," a branch of the State University,

and around Las Vegas, including mighty Fremont Street and adjacent streets.

which offer the range of features found in rants, theatres and other establishments line

to make it the West's favored "vacation pack- joining "Casino Center" is the shopping cen-

fabulous Las Vegas recreation area, where the famous "Times Square." Its Clubs are open

There are tew, it any, areas in the world specialty shops, department stores, restau-

to describe what has been called "The Gay and international in scope.

Favored Vacation Package of Western America

# LAS VEGAS

# UNION PACIFIC RAILROAD NATIONAL RECREATION AREA HOOVER DAM • LAKE MEAD LAS VEGAS

NATIONAL RECREATION AREA HOOVER DAM • LAKE MEAD

# LAS VEGAS

## HOW TO VISIT LAS VEGAS-HOOVER DAM

Union Pacific Domeliners, daily from scientific research of value to peacetime East and West, serve Las Vegas, Nevada, industry. gateway to Hoover Dam and the Lake Mead Area. Bus service from Las Vegas to Boulder City and Hoover Dam makes it easy to visit the Dam and Lake Mead

en route to or from California. No charge is made for bus transportation from Las Vegas to Hoover Dam-Lake dition to unforgettable sightseeing, you Mead and return to Las Vegas when is- can enjoy such sports as swimming, tennis, sued in connection with through railroad golf and horseback riding. ticket routed via Union Pacific all the way in either direction between Omaha, Nebr., Kansas City, Mo., St. Joseph, Mo. or Leavenworth, Kans., and Southern California; or Huntington, Ore., and Southern California. On all other tickets, the side trip from Las Vegas to Boulder City, Hoover Dam, Lake Mead and return to Las Vegas, at slight bus fare. Passengers arriving Hoover Dam on the the Dam and its facilities.

OTHER SCENIC ATTRACTIONS To the west of Las Vegas, Mt. Charleston rises in piney beauty 11,000 feet. Mt. Charleston Lodge at 7,500 ft. elevation is just "35 miles away and a mile above" Las Vegas, In summer its cool green forest is popular for hiking or riding. In winter there are winter sports with a new ski tow at nearby Lee Canyon. On past Mt. Charleston, off the highatomic-powered jet engines and do other Utah

DEATH VALLEY

and tragedy, Death Valley, now a National Monument, is a popular winter resort of scenic beauty. It offers a delightfully equable winter climate. In ad-

offers splendid accommodations on the American Plan. At Furnace Creek Ranch, meals at moderate prices.

the late "Death Valley Scotty," also bus have time to take the guided tour of offers hotel accommodations and conducted tours of the castle. The winter tourist season for Death Valley is November 1 to May 1. For

#### Union Pacific office or General Traffic Agent, Union Pacific, Las Vegas, Nev. UTAH-ARIZONA NATIONAL PARKS

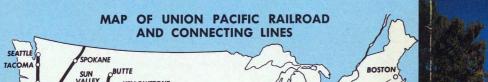
Vegas and Death Valley consult any

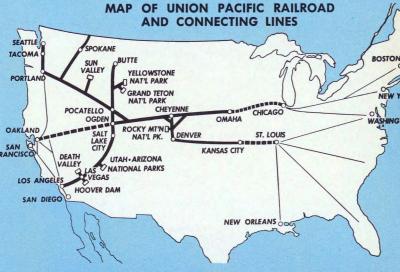
Between Salt Lake City and Las Vegas, as you will see on the panoramic map of this folder, is the colorful canyon country of geological wonders: Zion, Bryce Canway to Death Valley, is the Atomic yon, Grand Canyon (North Rim) Na-Energy Commission's proving grounds tional Parks, Cedar Breaks National (not open to the public). You may have Monument and the Kaibab National Forseen atomic tests televised from there. In est. The Union Pacific station gateway for addition to atomic experiments for Na- inexpensive motor bus tours of these tional Defense, the A.E.C. will test parks during summer park season is Lund,

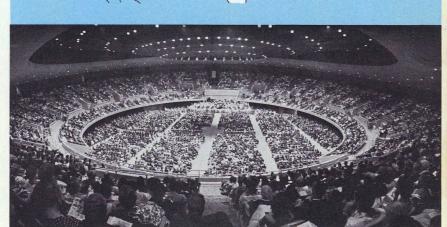
Once known as a land of desolation Furnace Creek Inn, a modern hotel,

a mile distant, there are informal ranch style accommodations and coffee-shop Famous "Scotty's Castle," in the north end of the Valley and once the home of

transportation available between Las

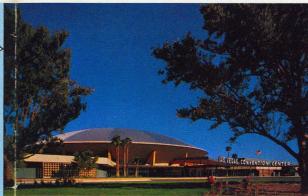






In the huge domed auditorium of the Convention Center there are seating arrangements for 8,500

## LAS VEGAS CONVENTION CENTER



Typical of organizations which have booked past and future tions for Las Vegas are: U. S. Junior Chamber of Commerce, 10.000: Air Force Association, 7,500; American Legion 30,000; American Academy of Ophthalmology and Otolaryngology, 8,000; American Academy of General Practice, 7,000 ational Automobile Dealers Association, 10,000, and the Amer ican Mining Congress, which has booked three conventions through 1968, each averaging 5,000 to 10,000 persons. In adtion to these and many others, hundreds of convention groups of all sizes have slated meetings in the Center and in the resort

## **FACILITIES**

The Convention Center includes a nain auditorium with seating for 8,500; 17 meeting rooms seating from 25 to 1,000; an exhibit hall (pictured t right) with 90,000 square feet of space and a potential of over 2 million quare feet of outdoor exhibit area. Also included are two kitchens, ocktail lounges, press rooms, including ographic darkroom, and offices or exhibitors. Parking areas will acmodate 9,500 cars.



become one of America's leading con-

vention cities, attracting major con-

claves from all parts of the world.

Conventioneers who have already held

meetings in the resort city attribute

this sudden eminence of Las Vegas to

combined with the area's recreation

Southern Nevada threw its "hat" in

ention Center. As modernistic

the ring in April, 1959 with a \$6 mil

and entertainment attractions.



## UNION PACIFIC TRAIN SERVICE

Over Union Pacific rails speed fine, fast trains on convenient schedules, serving Las Vegas, Nevada, Hoover Dam and the Lake Mead National Recreation Area. The Domeliner "City of Los Angeles"

offers unexcelled accommodations and service between Chicago and Los Angeles. Its Pullman sleeping cars are the latest design with push-button doors, and room accommodations have enclosed toilet facilities. It is the only train between Chicago and California with three types of Dome cars: a Dome Diner, Dome Lounge Car and Dome Coach. There are three delightful dining rooms in the Dome Diner: a Dome room, main dining room, and the private dining room for family or private party groups. Menus in each offer the same fine food, graciously served, with special menus for children. The unique Dome Lounge Car has a spacious main lounge, the Dome room, a cocktail lounge and private card room.

In addition to the latest style leg-rest Coaches there is the Dome Coach. Seats in the dome are unreserved and open to all coach patrons. All regular coach seats have individually reclining backs with adjustable full-length leg-rests. For coach patrons there is also a new Coffee Shop-Lounge Car with snack service and lowcost meals. "The Challenger" all-Coach Domeliner

now operates during the summer season June-September, and during the December-January holiday season, on the schedule of the "City of Los Angeles." In addition to the latest style Coaches, it carries a Dome Coach, a full length 65seat Dome Coach with buffet service, a regular 48-seat dining car plus the new Coffee Shop-Lounge Car. The Domeliner "City of St. Louis"

provides through Coach and Pullman service between St. Louis and Los Angeles. En route it serves Kansas City, Denver, Salt Lake City and Las Vegas. In addition to Dome Coach service there is popular club-lounge and dining car facilities and Dome Lounge Car between Denver and Los Angeles.



#### As pictured at the rightyou can make your own "Westerns," from the Dome Lounge Car or Dome Coach on the Domeliners "City of Los Angeles" or "City of St.

The Dome Lounge Car (for Pullman passengers) has a main lounge, a semi-private cocktail lounge and a private card room downstairs; upstairs in the dome there are seats for 24. In the dome of the Dome

Coach there are 24 unreserved seats available to all coach passengers.



ood graciously served. The only Dome Dining Cars in the world, are on the Domeliners "City of Los Angeles," "City of Denver" and "City of Portland." Shown at the left is one side of the dome dining room - it's like "root garden" dining with scenery an extra course. Downstairs there is a beautiful main dining room, also a private dining room seating up to ten for private parties or family

All Union Pacific trains

carry dining cars with fine

UNION PACIFIC TRAVEL OFFICES

Let one of Union Pacific's courteous and informed representatives assist you with the details of your trip. There is no cost to you and you will find his helpful suggestions will add materially to your enjoyment of the trip. Write, phone, or call at any of the Union Pacific offices listed below.

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.....501 N. Virginia St Riverside, Cal..... ......7th and Vine St St. Joseph 9, Mo.... ...602 Corby Bldg St. Louis 1, Mo......1223 Ambassador Bldg Sacramento 14, Cal......217 Forum Bldg Salt Lake City 11, Utah......417 S. Main St San Diego 1, Cal......320 Broadway San Francisco 5, Cal.... San Jose 13, Cal...811 Bank of America Bldg .....305 N. Main S Santa Ana, Cal..... Santa Monica, Cal...307 Santa Monica Blvd (Effective May 1963......1228 Fifth St ...1300 Fourth Ave Seattle 1, Wash..... Sioux City 1, la..... ....418 Benson Bldg Spokane 4, Wash...... .....Union Station Stockton 6, Cal......206 California Bldg Tacoma 2, Wash..... ......114 S. Ninth St Toronto 1, Ont...201 Canadian Pacific Bldg Tulsa 3, Okla......721 Kennedy Bldg Vancouver, B. C.....315 Burrard Bldg Walla Walla, Wash......Union Pacific Station Washington 5, D. C ......600 Shoreham Bldg

Yakima, Wash......Union Pacific Bldg.

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....Union Pacific Statio

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UNION PACIFIC RAILROAD

