

MAVAJO

CHURCH



HE southwestern section of the United States is a province that presents many special characteristics of physiography, climate, resources and capabilities which are not as well known as they deserve to be. The term "southwest" is usually applied to New Mexico. Arizona and southern Californla, an area of about the size

of New England, New York, Pennsylvanla, Maryland and the Virginias. Much public attention has of late been attracted to Arizona and New Mexico in connection with their admission to statehood, and one gratifying result of this has been a greatly increased interest in their resources and conditions.

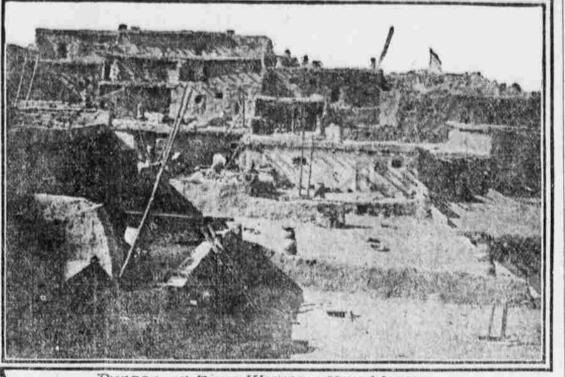
Excluding the populous and thrifty coast region of southern California, the southwest is the most thinly populated and least developed portion of the country south of Alaska. As this condition is due mainly to a climate so arid that but little can be raised without irrigation, its future development is to be measured by the utilization of the vast volume of flood waters now going to waste. This water can be applied to millions of acres of level lands with rich soil, which with the unending

sunshine of its mild climate will respond with large and profitable crops.

Unfortunately, there is not enough water for all the land, but there is sufficient, if all were utilized, to support a population many times as large as the present one. The government is now spending \$12,000,000 in reclamation projects in Arizona and New Mexico which supply water for nearly one-half million acres of fertile lands. This will give great impetus to development, and in time, when settlers take up the reclaimed land, there will be a large increase in its agricultural productions.

In the great coast region of southern California, with a population of nearly 600,000. the principal product is the orange and other fruits, with a value





PUEBLO OF ZUNI, WESTERN NEW MEXICO

about 4,000 feet wide and 600 deep, with an irregular encircling rim of loose rock fragments from 120 to 160 feet high.

The petrified forests attract many visitors, especially the most accessible one south of Adamana, a station on the Santa Fe railroad a few miles east of Holbrook. There is a large quantity of the mater al in sight here, some of it in large logs. One of these logs spans a small draw as a natural bridge

Arizona possesses a very picturesque natural bridge of limestone spanning Pine creek, in Gila county,

permanent and mostly very ancient, and their religious ceremonies are extremely elaborate and picturesque. They live in villages of several hundred inhabitants, in substantial stone or adobe houses, some of which are in groups, rising in tiers to a height of four or five stories, with streets and central plaza. They are peaceful and industrious, raising crops largely by irrigation. They have herds of cattle and sheep, and spinning, weaving and making their garments is one of their important occupations

Work appears evenly divided between men and woman in the queblos. The men do the farming, tend to the cattle and sheep, do the hunting, build the houses, and have many

> smaller trades and occupations. The women do the housework, grind the corn, make pottery, blankets and clothes.

The visitor is generally impressed by the pueblo people and pleased with the agreeable home life and simple h ospitality which they readily offer.

The Interesting features of the southwest, notably the beauty of the coast region and the special climatic advantages, draw a les. large number of tourists and healthseekers, especially

USED HYPODERMICS.

Only Relief From Terrible Suffering.

Thomas E. Vest, 1505 S. 12th St., Terre Haute, Ind., says: "I had no control over the urine and the pain when volding it was so great I often



screamed. I grew worse and lay in bed for weeks, the only relief being from hypodermics. I was treated by three physicians without help and the last one said an operation was necessary, At this

time I began using Doan's Kidney Pills and passed a gravel stone as large as a pea. The next day I passed two more and from then on improved rapidly until cured."

Remember the name-Doan's. For sale by all dealers, 50 cents a

box. Foster-Milburn Co., Buffalo, N. Y.

Which Do You Like Worst?

This is the greatest known way for undecided people to make up their minds.

None but a strong minded woman can ever decide which of two or three hats she likes "the best," particularly if they are all comely.

Popular belles have been known to have similar troubles with their sweethearts. Which do I like best is often a momentous question.

Why not try the other way? Decide which, of men, or hats, or attractive "dates" you like the worst, and then proceed to eliminate.

From there you can factor out in the grade of desirability, until you actually find yourself at a decision, because it, whatever it is, is the only one left.

The process is delightfully simple.

Deafness Cannot Be Cured

Deafness Cannot Be Cured by local applications, as they cannot reach the dis-eased portion of the ear. There is only one way to cure deafness, and that is by constitutional remedies. Deafness is caused by an inflamed condition of the mucous liming of the Eustachian Tube. When this tube is inflamed you have a rumbing sound of im-perfect hearing, and when it is entirely closed, Deaf-ness is the result, and unless the inflammation can be taken out and this tube restored to its normal sendi-tion, hearing will be destroyed forever; nine cause out of ten are caused by catarrh, which is nothing but an inflamed condition of the inucous surfaces. We will give One Hundred Dollars for any case of Deafness (caused by catarrh, which is nothing but an inflamed condition of the inucous surfaces. We will give One Hundred Dollars for any case of Deafness (caused by catarrh) that cannot be cured by Hai's Catarrh Cure. Bend for circulars, free. F. J. CHENERY & CO., Toledo, O. Bold by Druggists, 75c. Take Hail's Family Pills for constituation.

Thanks for the Rellef.

Mrs. Naggit-I don't feel like myself tonight. Mr. Naggit-Then we ought to have

in winter, and every year sees a substantial increase in the

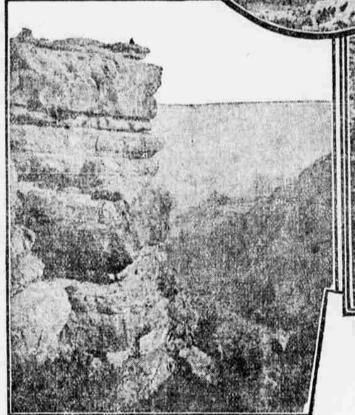
influx of visitors. Because of its

a very pleasant evening,-Stray Stor-Important to Mothers Examine carefully every bottle of CASTORIA, a safe and sure remedy for infants and children, and see that it



The Kind You Have Always Bought.

It is surprising, it is often astounding, to discover, now and then, what



GRAND GANYON OF THE GOLORADO NEAR THE HANCE TRAIL

70 miles south of Flagstaff. It does not, however ri-

discovered

Utah.

val the great bridges recently

Its span

GROOKED GREEK LONG VALLEY, GALIFORNIA

dry air and mild climate the southwest has become famous as a health resort, especially for those having tuberculosis of the respiratory organs. The percentage of cures made in New Mexico, Arizona and California, great as it is, possibilities of rehabilitation there are would be much greater if a larger proportion of in the most unfortunate of us .- Alfred 1 n

of about \$20,000,000 a

year, while in the inland districts the mining industry is the largest source of revenue. Portions of the southwest are richly productive of various minerals, notably those of copper, and recently southern California has become a heavy producer of petroleum. The value of the copper, oil and other products of the ground aggregates about \$75,000,000 a year.

It is probable that further exploration will disclose large additional supplies of ores of various kinds, especially those of low grade, which will prove profitable under improved methods of reduction.

The southwest presents a variety of topographic features, and many of its economic resources are closely related to them. There is great range in altitude, with corresponding variation in climatic conditions. One of the most salient features is the wide, high plateau of northern Arizona, which reaches an altitude of 8,000 feet. It is surmounted by various volcanic peaks, notably San Francisco peak, which is 12,611 feet above sea level,

To the east this district merges into an frregular series of high plateaus, constituting the western half of New Mexico.

To the west and south it drops by huge steps into the great region of desert valleys or bolsoms of Nevada, western Arizona, and southeastern California. These deserts are wide, long plains, lying between mountain ridges of varying lengths and heights, ridges which are all very rocky and mostly treeless and trend north and south.

Diagonally across southern California there extends the long curving ridge of the Sierra Madre and San Bernardino mountains, between which and the ocean lies the large oval area known as the valley of southern California. This valley is the great citrus fruit district, and Los Angeles.

There are two great rivers in the southwest, the Colorado and the Rio Grande. The Colorado river has been compared to the Nile and the similarity is notable. Both are, streams of the first rank, rising in high mountains, and finally crossing a broad region of semi-tropical, nearly rainless deserts. Both empty into seas in nearly the same latitude, and their lower courses are through wide deltas of fertile soil. The annual overflows add new sediments fertile with plant food and at a time favorable for the crops.

The agricultural capabilities are closely similar, but while much of the lower Nile valley is utilized the Colorado valley is just beginning to be settled. The watershed area of the Colorado, with its two head branches, the Green and the Grand, is over 200,000 square miles, its course 2,000 miles in length, and its annual discharge is 11,000,000 acre-feet, or enough to cover that number of acres one foot deep.

The sediment which it carries each year into the gulf is estimated to be sufficient to cover 53 square miles one foot deep. For 200 miles of its course across the high plateau of northeastern Arizona it cuts the wonderful Grand canyon, which in places is nearly a mile deep. South of the canyon it flows mostly in broad valleys, but cuts through several des-

ert ridges, finally passing out into the wide delta plain extending to its mouth. The Rio Gran-

de is a large river rising in the mountains of Colorado, traversing New Mexico from north to south, and finally constituting the boundary line between Texas and Mexico.

The definition of a desert given by the dictionaries, "a dry,

sandy region without vegetation or inhabitants," is defective, and the idea that it is necessarily flat is erroneous. Most portions of the average desert bear an extensive, though somewhat widely spaced, flora. Many desert regions contain numerous settlements, the Sahara desert for instance having a population of 2,500,000. Loose sand is a minor feature, and much more prevalent on the seacoasts and along the bottom lands of rivers. There are wide areas of bare rocks, and the larger deserts include mountains, ridges, mesas and deep canvons.

The deserts of the southwest are regions of very scanty rainfall, parts of them having only three inches a year and evaporation of eighty inches or more.

This canyon is the mile-deep gorge cut by the Colorado river across the high plateau of northern Arizona. The view from the rim reveals the most stupendous panorama imaginable, for one sees into an area of about 600 square miles filled with an endless variety of most rugged topographic forms of many beautiful colors. On the sky-line, ten to fifteen miles away, is the edge of a wide-reaching plateau, and in the middle ground of the picture flows the Colorado river, nearly a mile below one's feet.

The features are so gigantic and so plainly in view that all sense of scale is lost, and it is not until one has been down to the bottom of the canyon at the river level that any adequate sense of proportion can be gained.

The canyon was discovered by Cardenas, who went to its edge in 1540 on a branch trip from Coronado's expedition, on information obtained by Tovar from the Hopi Indians. The original name given to the river was Tison, Spanish for firebrand, and it is to be regretted that the name has not been retained to avoid the present confusion due to the river having the same name as the state,

Coon butte, another of the greatest wonders in our country, is also situated in the southwest, but owing to its distance from the rallroad it is seldom visited. It is a great craterlike bowl in the plateau, about ten miles south of Canyon Diablo station. "The crater" is

GAPTAINS OF THE GANYON NORTHEASTERN ARIZONA is 80 feet, its height about 125 feet, and its length up and down the creek

Canyon de Chelly is one of the most notable scenic features in Arizona, but it is so far off the main line of travel that it is rarely visited. It is cut deeply into soft sandstones, which rise in vertical walls, with many outlying Some of these fea-

pinnacles and monuments. tures appear also in the great wall of red sandstone on the north side of the wide depression through which the Santa Fe railroad crosses the continental divide east of Gallup. One of the most remarkable pinnacles of this wall is fancifully termed the Navajo Church.

Few persons who travel across the southwest realize that in Arizona and New Mexico there are enormous forests of valuable timber and that the lumbering is an important industry. In both territories there are several large forest reservations, and one of these in Arizona, the Coconino forest, with nearly 6,000 square miles, is the largest single reserve in the United States. The total forest area reserved in Arizona is 15,250,130 acres, or more than 24,000 square miles, and in New Mexico there are 10,971,711 acres, or more than 17,000 square miles. Southern California also has several large reserves.

The Coconino forest in Arizona occupies part of the great plateau in which the Grand Canyon is cut, and extends to the brink of the canyon.

The visitor to the southwest usually takes keen interest in the Indians, who are numerous not only along the main lines of travel. but in many remote villages. Some tribes, notably the Apaches, who continued to be troublesome until a relatively recent date, have become famous for the misdeeds that materially retarded the development of Arizona and western New Mexico. Now, however, all is peace and tranquillity. The newspapers, especially eastern ones, occasionally print accounts of uprisings, but these prove to be local quarrels with a few individuals.

The Indiana of the southwest are of two kinds, differing greatly in most of their characteristics. One is the nomad type, represented by the Apaches, Navajos, the Yumas, Papagoes and Pimas, and smaller tribes; the other is the pueblo type, which is comprised of 26 pueblos, or villages, scattered through central and western New Mexico, and in the Hopi reserve, in northwestern Arizona.

Probably there is greater popular interest In the pueblo people, for their settlements are

those who are seeking health came in time. It is Buchanan. necessary to come before the vitality is too greatly diminished and then to live under favorable conditions, the most essential of which is to be out of doors as much as pos-this. This is to be out of doors as much as pos-all druggists or Howard Bros., Buffalo, N.Y. sible.

Many health-seekers spend most of their is over 400 feet. money in railroad fare to reach the desired resorts. Physicians do a great wrong to patients in sending them so far from home, friends and care without means to provide suitable quarters, nourishment and attention to sustain them while making their fight against death.

> The climate of the southwest presents considerable variety, but in all the lower lands the winters are delightfully mild, and everywhere blue sky is in evidence for more than 300 days in the year. The summers are warm; in the southern desert area they are decidedly hot for several months, but the dry air even then is much more endurable than the sultry summer weather of the eastern and central states. Sunstroke is unknown, and laborers continue their work without distress.

The valley of southern California is protected from the cold northern winds of winter by high mountain ranges, while to the south it is open to the Pacific. Owing to the peculiar configuration of the coast the cold Callfornia current from the north is deflected west near Point Conception, and hence the southern California shores have waters warmer by about ten degrees than those to the north.

This beneficent climate is responsible for the giant industry of fruit growing which has made California famous over the globe. California furnishes the major part of the very large amount of oranges and other citrus fruits consumed in the United States, and this business has been the potent cause in the development of southern California.

The orange and other citrus fruits of southern California have an output of about 30,000 carloads a year, with a net value of more than \$15,000,000.

East of the mountains in southern California is an extensive desert country, much of it without water, but large areas can be reached by ditches from the Colorado river. The most notable district of the sort of in the Salton desert, near the Mexican boundary. A few years ago this was a lonely and forbidding region, but now, by aid of irrigation from the Colorado river, it has several thriving settlements, with 100,000 people and 200,000 acres of cultivated land. That portion of it known as Imperial valley has the greatest development, and with rich soll and semi-tropical climate phonomenal results have been obtained when water is applied.

One of the best known products of this region is the canteloupe, of which the annual shipments are over 1,800 cars, bringing nearly a million dollars This valley contains over 400,000 acres of land, and just across the Mexlean line are 200,000 more

The great oil fields of California are in the southern part of the state, and with rapidly increasing production they promise to be the largest producers in the country,

If Your Eyes Bother You

Many reformers would go out to shoot gophers with a brass band.

Lewis' Single Binder 5c cigar equals a quality most 10c cigars.

Most politicians claim the silent rote so long as it keeps silent.



Cured by Lydia E. Pinkham'sVegetableCompound Park Rapids, Minn.-"I was sick for



through the Change of Life and was hardly able to be around. After tak-ing six bottles of Lydia E. Pinkham's Vegetable Compound I gained 20 pounds, am now able to do my own work and feel well."- Mrs. ED. LA DOU, Park Rap-

ids, Minn. Brookville, Ohio .- "I was irregular and extremely nervous. A neighbor recommended Lydia E. Pinkham's Vegetable Compound to me and I have become regular and my nerves are much better."-Mrs. R. KINNISON, Brookville, Ohio.

Lydia E. Pinkham's Vegetable Compound, made from native roots and nerbs, contains no narcotic or harmful drugs, and to-day holds the record for the largest number of actual cures of female diseases we know of, and thousands of voluntary testimonials are on file in the Pinkham laboratory at Lynn, Mass., from women who have been cured from almost every form of female complaints, inflammation, ulceration, displacements, fibroid tumors, irregularities, periodic pains, backache, indigestion and nervous prostration. Every suffering woman owes it to herself to give Lydia E. Pinkham's Vegetable Compound a trial.

If you want special advice write Mrs. Pinkham, Lynn, Mass., for it. It is free and always helpful.

La atticted with | Thompson's Eye Water