

# HALL OF SCIENCE IS BUSIEST SPOT AT WORLD FAIR

## Craftsmen Rush Work on Different Dioramas.

BY VIRGINIA GARDNER.

One of the busiest spots in all the fair moving scene which is a Century of Progress exposition in the making is the diorama laboratory in Hall of Science building. Here oil wells, rubber plantations, factory rooms, coal mines, and tropical landscapes are being constructed in miniature by a staff of artists, landscape architects, model makers, sculptors, and various other craftsmen.

Most of the dioramas are being made for pure and applied science exhibits and are designed as absorbing studies for both children and adults. Before they are seen by the jostling throngs which will pass in review with the opening of the fair on June 1, each finished diorama is worked upon by numerous hands and for a minimum of six weeks.

From the Administration building the visitor to approach the Hall of Science passes the almost completed Sears Roebuck building, and its smaller neighbor, the Illinois Hotel building, also virtually completed, with its many windows and its sculptured frieze making the exterior inviting, continues past one of the giant steel-work towers of the Sky ride, past the Temple of Jehol and into the north entrance of the massive Hall of Science.

Artists at Work.  
The diorama studio is entered through an unadorned door. Within seventeen men and women in aprons smocks pursue their various tasks. One artist is busy painting the bricks in a storage tank in the foreground of a large diorama portraying an oil refinery.

Another man is busy making the separate trees which when stuck in plaster one against the other make a wooded cliff in the background of a coal mine. He holds aloft a bit of copper wire mesh, cut in the shape of a tree. He dips it in glue, then sticks it in a box of green sawdust. When it is painted, and placed against its fellows, it is a tree. They are projected against a painted background.

How these dioramas—pictures in three dimensions, length, breadth and thickness—are made to create an illusory sense of distance was explained by Edward J. Ashendon, a tall, thin Englishman, 26 years old, who is a graduate of the Royal College of Art, South Kensington, was brought over to this country to inaugurate the construction of dioramas two years ago last November.

Modeled in Perspective.  
"In each diorama the foreground is modeled in perspective, so that it is difficult to tell where the sculpturing leaves off and the painted background begins," he explained. "Obtaining this perspective is a mathematical science. As we are working largely for scientists, we make sure our perspective is exact. If we are making a model of a room, the original room could be worked out from the diorama to the square inch with exactness."

Not only is the minutest care made in creating the diorama in the studio, but to insure authenticity cross-country trips are made when necessary. "This is the way we work," explained Ashendon. "One of the professors in charge of the science exhibits decides he wants a diorama of a rubber plantation. The fair then gets some rubber or tire company to pay for it and induces the company to lend it to the fair."

Next a small sketch model is made, one we can move about. If we don't want a tree in one place, we change it to another. The client then approves it.

How Figures Are Made.

"The figures in the diorama are first made of clay, then a plaster or wax mold is made of them. Then a plaster cast is made, and they are painted. Several girls are engaged in making trees, flowers and other vegetation. The rubber trees were not difficult. Some are more so. Usually we take a branch of a real tree, make sure it is dry, and wire smaller branches on it, covering the whole with gesso, a combination of plaster and glue, such as Leonardo da Vinci and other old masters used as a foundation for their painting. Then the whole is painted. Leaves are made of paper or cloth."

All the painting is done with fat oil paint, which has no shine to it. A gleaming surface would destroy the effect of distance, it was explained.

"Ours was the first diorama studio in the country," said Ashendon. "We will be able to finish all those now being planned before June 1."

It has taken Arthur H. Knox, architect, and his landscape painter, model maker and sculptor an average of three months to make each of the dioramas to be included in the state of Illinois exhibit. One depicts the locks at Lockport with considerable detail in the foreground; the other, a scene at Starved Rock.

# SCORES ARE KILLED BY SOUTHERN TORNADES



Townfolk looking over the wreckage of a building in Hall Summit, La., which was devastated by the storm. Wide areas from Texas to Alabama have been swept by the tornadoes. (Aephe Photo.)

## PREDICTS SEVERE QUAKE IN GREAT LAKES REGION

Ann Arbor, Mich., April 1.—(AP)—

Severe earthquakes in the great lakes region and the St. Lawrence valley are almost certain to come, in the opinion of Prof. William Herbert Hobbs, University of Michigan geologist. Prof. Hobbs also forecasts shocks for the lower Mississippi valley and southeastern states.

Prof. Hobbs said there are two great belts encircling the earth, along

which most of the destructive earthquakes are felt, but that other areas are not immune.

"It must not be assumed," Prof. Hobbs said, "that areas outside these specially dangerous belts are immune from earthquakes, nor that shocks may not be quite as destructive in such places. On Feb. 5, 1923, one of the great earthquakes struck a large part of the St. Lawrence valley, and in 1811 the lower Mississippi valley was rocked by a major earthquake. Three-quarters of a century later came the fairly severe Charleston earthquake on the Atlantic seaboard."

Where earthquakes have been they will surely come again, and if the intervals are longer there is much less preparation for them."

Prof. Hobbs said scientists can name the places, but not the times of future earthquakes. The shocks, Prof. Hobbs said, result from jolting mass movements of portions of the earth's outer shell in response to forces constantly acting within.

## Two Rob Wyoming Bank and Escape with \$20,000

Green River, Wyo., April 1.—(AP)—

Two gunmen held up the First National bank here after closing hours today and escaped, with loot officials estimated at \$20,000.

# FLOOD DAMAGE GROWING ALONG MISSISSIPPI

## Ohio Also Rising; Red Cross Aids Sufferers.

Damage and suffering from flood waters continued yesterday along the tributaries of the Mississippi river from Minnesota to the gulf region.

In the deep south the smaller streams swelled to raging torrents as heavy rains fell in the wake of tornadoes. Hundreds in the tornado-flood areas of the south are homeless temporarily and the Red Cross is hurrying to relieve suffering. The relief work, it was reported, is hampered by high water almost everywhere.

Rivers Rising at Cairo.

At Cairo, Ill., where the Ohio joins the Mississippi, both rivers were continuing their rise yesterday afternoon. At Metropolis, Ill., some city streets were covered by the rising Ohio and another rise of two feet is anticipated by tomorrow.

Near Evansville, Ind., twelve families, marooned on a small island, were rescued. At Shawneetown, Ill., workers were anxiously striving to prevent breaks in the levees.

The one bright spot in the flood news from southern Illinois was the recession of the waters of the Wabash at Mount Carmel. Gov. Hoover has ordered National Guard tents and supplies sent to the stricken areas near the Ohio.

The state highway department at Springfield, where 2.55 inches of rain fell in twenty-four hours, reported a number of Central Illinois roads under water. The Illinois river was rising at Beardstown, but no danger to life was reported last night.

Iowa Also Suffers.

From Des Moines came a report that cities along the Iowa, the Des

Moines and the Cedar rivers were suffering large damage from flood waters. Most of the floods were in the central tier of eastern Iowa counties.

In southeastern Minnesota thousands of acres of farm lands were inundated and the village of Houston was isolated by high water. The Zumbro river at Rochester reached a stage untouched since 1924.

Heavy downpours of rain in the Chicago area caused the Chicago river to reverse its flow for a half hour early yesterday. The movement eastward was so slow, however, that the sanitary district reported no sewage reached the lake, and that the normal flow was readily restored by opening gates at Lockport.

## WINDS OF MARCH LEAVE OVER 70 DEAD IN SOUTH

New Orleans, La., April 1.—(U.P.)—

March winds that roared out the month left at least 73 dead, 300 injured and property damage of more than \$1,000,000 in six southern states today. Mississippi, where 42 were dead and 200 injured, bore the brunt of the twisting winds that struck also in Texas, Louisiana, Arkansas, Missouri and Alabama.

Hundreds of farm homes were wrecked, leaving the occupants dead, injured or homeless. Drenching rains followed in the wake of the storm, adding today to the discomfort of refugees and danger to the injured.

Communication lines still were down in many parts of the stricken section and it was feared many more persons might have been killed or injured in isolated farming sections of the sparsely settled regions.

Texas counted 23 dead from Thursday night's tornadoes, Arkansas one and Louisiana eight. Five persons were injured in Missouri.

Yesterday the series of cyclonic winds swept eastward across Louisiana, Mississippi and Alabama. In Mississippi 14 were killed at Sandersville, eight at Harmony, five at Raleigh, five at Leland, two at Belden, two at Brookhaven, one each at Daventport and Lucedale.

The Louisiana toll included six dead at Hall Summit and one each at Greensburg and Homer.

# POLICEMAN KILLS YOUTH TRYING TO BREAK INTO AUTO

Frank Banka, 22 years old, 760 Milwaukee avenue, said to have been a known auto thief, was shot and killed this morning by Policeman Edward Hartigan of the North Racine avenue station when he tried to break into a parked car at Milwaukee avenue and Division street. Stanley Sykes, 32 years old, 1825 Dickson street, his companion, was seized.

Policeman Hartigan came upon Banka and Sykes just after they had smashed the window of the car of Dominick Oeski of Woodstock, Ill. Hartigan called upon them to surrender, firing a warning shot. They started to run and he fired directly, killing Banka.

Hearing the shots, several men ran out of a nearby restaurant. One of them, Walter Banka, 19 years old, 2700 Chicago avenue, looked at the slain man and identified him as his older brother.

BROKEN MAIN SHUTS OFF GAS.  
Marion, Ill., April 1.—(Special).—Gas service in Marion and Herrin was resumed again this morning after being off for nearly eighteen hours due to a broken main.

# HOPE TO PURCHASE NEW YORK STREET BLOCK LONG AT \$1

New York, April 1.—(Special).—Hope was expressed today that Hamilton street, one block long, which extends diagonally across the two-block east-side tract on which the Fred E. French Operators, Inc., plan to erect a model housing development with the \$8,075,000 lent by the Reconstruction Finance corporation, can be purchased from the city for one dollar, the exact sum it cost the city in 1819.

Plans for the development, due to be started May 1, call for the elimination of Hamilton street. Little difficulty is expected in obtaining city approval of the closing of the thoroughfare, but, inevitably there will be discussion regarding the price to be paid. As yet negotiations for the purchase have not been begun.

These four United States beers will again make quality famous

# Rheingold SAVOY SPECIAL Loewen Bräu New Life MALT TONIC

THE United States Brewery stands right where it did fifty-eight years ago. It supplied fine beers to exclusive clubs, select hotels, conservative restaurants, distinguished homes. It became Chicago's quality brewery and is today the oldest operating brewery in Chicago. These fine old brews are here again—will be available to the public on and after April 7.

Many recall the clear, pale Rheingold flavored with imported hops—the slightly darker Savoy Special—and Loewen Bräu, the "Lion Brew," a special dark beer. And many who were frail now remember the return of health that came with New Life Malt Tonic.

Everything inside this famous brewery is bright and spotless. The brewery has been kept in order for the new day. Our facilities and equipment for properly aging beer are strictly modern, which insures the finest quality—QUALITY BEER MADE OUR REPUTATION.

A famous brewmaster is making right

now the grand old BEERS our parents loved—Rheingold, Savoy Special, Loewen Bräu and New Life Malt Tonic with its old time strength and vigor.

We will not compromise with QUALITY. We will not hurry our brews. Proper aging is back of every one of our products. For QUALITY is our watchword.

The demand for good beer is so great that we predict a shortage very soon. This shortage will last until beer that is being made now can properly age. During the shortage there will probably be inferior beer on the market.

Because of the demand for our products we know that we will shortly be oversold. . . . But our customers have our unqualified pledge that no inferior or under-aged beer will ever be sold by this company.

On and after April 7 you will find our four famous beers in exclusive clubs, the better hotels, the finer restaurants and in the best of homes. Ask for our brands and be sure of the real thing.

Order Today!

for early delivery

Your beer dealer will be glad to take your order, for delivery on or after April 7th. If he can't, phone us.

# USED GRAND PIANOS

Reconditioned in Our Own Shops

4 to Select From  
Prices Range  
\$395, \$314, \$185  
and \$117

PRICES INCLUDE BENCH  
Terms as Low as \$1 Per Week  
Plus Small Carrying Charge

WURLITZER  
329 SOUTH WABASH AVE.  
OPEN EVENINGS

Telephones • HUMBOLDT 0080  
Address • 2519 Elston Avenue

UNITED STATES BREWING COMPANY  
Oldest and Largest Operating Brewery in Chicago • for Over 50 Years



# BEER SERVICE SUPPLIES

You can get here, in time for the 7th, anything and everything you may need for the service of beer and light wines. Our line of buffet supplies is the largest and most complete in the country. It includes glassware of every kind and description . . . bar accessories, novelty boxes, coolers, faucets, taps, beer pumps, hose, fittings . . . service items such as shakers, juice extractors, trays, attendants' coats and aprons, beer pads, bar wipers, tueling, etc., etc. We carry large stocks on hand so that you may be assured of prompt delivery.

Have You a Copy of Our New Catalog of Buffet Supplies?  
Our new Buffet Supply Catalog—just off the press—contains the most complete grouping of buffet supplies in the country. It is filled from cover to cover with everything you may need in equipment and supplies for the service of beer and light wines. You should have a copy as a constant guide in buying your requirements. Ask for your copy today—it is sent on request only.

VISIT OUR DISPLAY ROOMS OR  
Phone BOULEVARD 2100  
FOR ONE OF OUR SALESMEN  
ALBERT PICK CO., INC.  
AMERICA'S FOREMOST SUPPLY HOUSE  
1200 West 35th Street

Take the Kenwood "L" or any north and south street car to 35th Street. The 35th Street car stops right at our door, just west of Racine Ave. There is plenty of parking space for autos.