

Walters Hydroelectric Plant On Pigeon River Serves Large WNC Area



BETTER BE FRIENDS when you are each other's only Mrs. Joe Teague and Mrs. Winfield M. "Mack" Brown are the only two households on the remote mountainside above the dam.

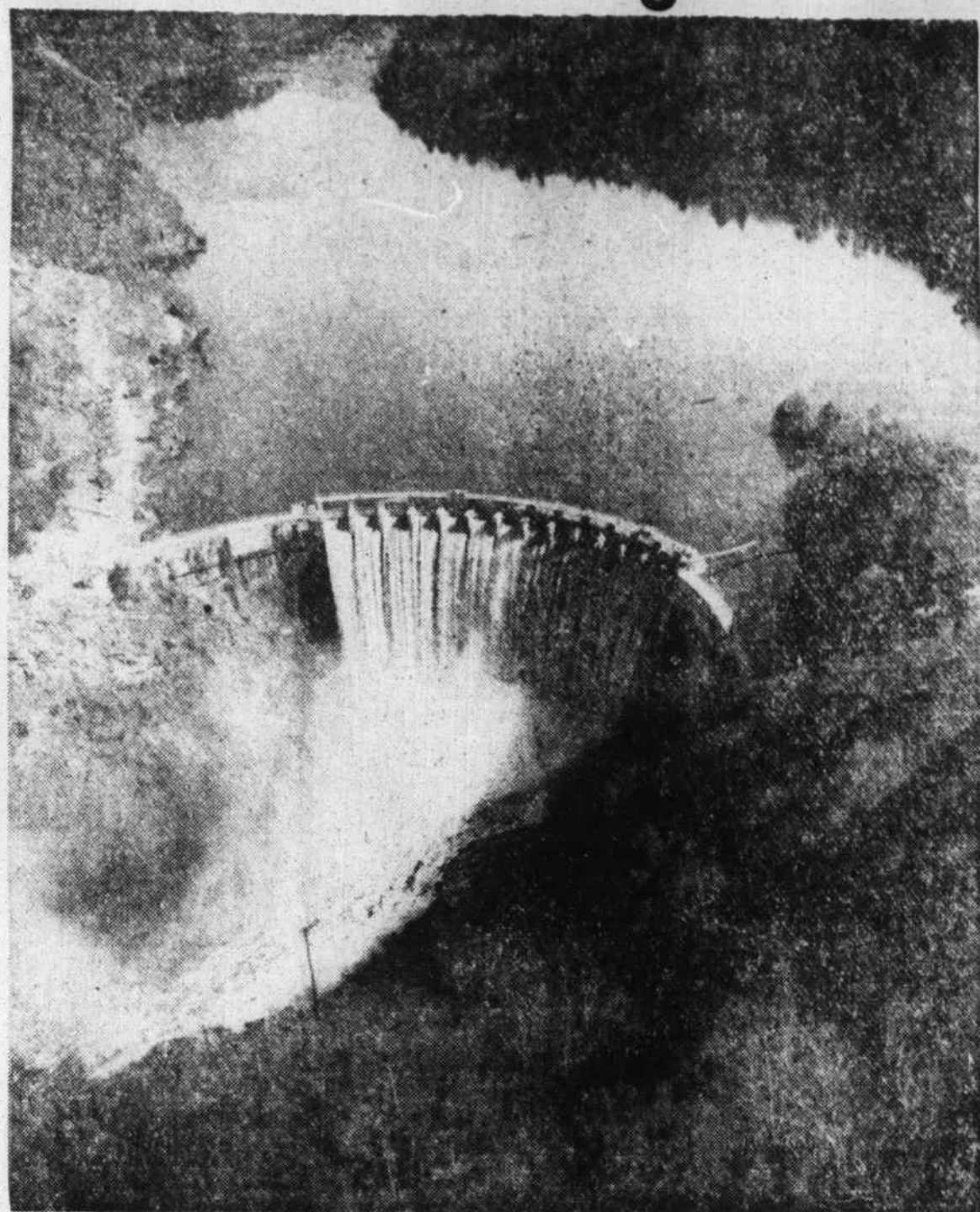
Walters Pigeon River Road Near Modern Plant

Within the granite heart of a smoky anky torrent cascading through a night-dimmed forest — and somewhere a housewife flips a switch bringing to life a welcome

Only seven years ago, on September 9, 1947, the plant was formally named in honor of Charles Sylvanus Walters, vice president of CP & L and manager of its Western Division, but the plant itself and the giant dam, 180 feet high and 870 feet long, were completed in 1930 after three years of blasting and building.

background river races six miles to the hydroelectric plant of the Carolina Power & Light Company. Energy into electricity, carrying wires carry this power through the breadth of Haywood County to its Western Carolina and Eastern Tennessee and South

In Haywood County alone, Carolina Power & Light serves 9,000 customers directly. In addition, it sells power at wholesale to the Town of Waynesville and to the Haywood Electric Membership Corporation, who have, respectively, 2,000 and 2,250 customers.



WATER OVER THE DAM is a spectacular sight at the Walters Dam of Carolina Power & Light Company. The dam is nearly 200 feet high and 900 feet long.

To handle these and its other customers. To handle these and its other customers last year, the plant produced 272 million kilowatt hours of electricity. (To use that much power more than 30,000 sturdy-muscled housewives would have to ply their 1000-watt electric irons day and night for a whole year.) Haywood County requires enough line—700 miles of it—to stretch from here well into Florida.

New Road To Pass Plant

The plant and the dam lie in one of the most inaccessible parts of Haywood County, though the projected Pigeon River Road will run past the plant. Now it is necessary to take N. C. 284 through the Jonathan Creek section, up the precipitous road to Cove Creek, past Mt. Sterling, to the tiny town of Waterville, and the power plant. Waterville boys and girls of high school age go to school in Tennessee instead of in North Carolina, because Haywood County saves money by paying out-of-state tuition instead of providing transportation to the nearest county high school.

The dam is even harder to reach, a 40-mile drive zigzagging upstream from the plant. A road of sorts was bulldozed in 1945, hanging precariously on the side of the mountain. Before it was built, Joe Teague, the Walters dam-keeper, started his "trip to town" in a motorboat to cross the lake behind the dam. Then he climbed a mountain. Finally he arrived on a county road and was ready to start on his trip.

Teague and his assistant, Winfield M. (Mack) Brown, live in the mountainside some 800 feet above the lake. Occasionally Teague's brother-in-law, Harrison Hunter, takes a hand when there is extra work to be done. Teague has work-

ed at the dam the entire 27 years of its existence, having helped build the tunnel.

Mrs. Teague and Mrs. Brown find plenty to occupy them — keeping house "back of beyond" presents problems not dreamed of by the average homemaker. One thing they do have in plenty, however, is electricity. The company has run in lines to make sure that its employees have all the conveniences that electric power can bring.

Water Forced Out of Channel

Only in extremely wet weather does water flow over the dam. In normal times the entire flood of the Pigeon River is diverted through the tunnel, to pour out six miles beyond and 861 feet lower through the three turbines of the Walters plant. Below the plant the water returns to the normal channel of the river.

The tunnel is as big as a good sized room and with its 14-foot diameter, considerably higher. It was blasted through the solid rock and then lined with concrete a foot thick. Engineers started the construction from both ends at once, and being engineers, were not at all surprised when the two bores met with barely a half inch difference. Somewhere within its darkness the water tumbles straight down for a distance of 600 feet.

The Walters plant, where the rushing water is harnessed to generate electricity, is Carolina Power and Light's largest hydroelectric generating system, and one of the largest of any such systems in the Southeast. The 861-foot difference in elevation between the top of the dam and the water below the plant gave the plant the highest "head" of any east of the Rockies until wartime construction of two smaller plants with higher heads.



MEN MUST BE SELF-RELIANT when a lake and 40 miles of rugged driving separate them from the nearest outpost of "civilization". Harrison Hunter, left, comes to lend a hand to "Mack" Brown and Joe Teague. Teague is Walters dam-keeper and Brown his assistant. Hunter is Teague's brother-in-law. Clinging to the slope in the background are the Teague and Brown cottages.

and dam represent a considerable investment. The plant, which lies in Cataloochee Township, paid taxes this year of more than \$48,000; the dam, upstream in Fines Creek, paid another \$47,000, making the CP & L the county's largest taxpayer.

Including Teague and Brown, more than two dozen men are needed to operate the plant. Among them are operators, oilers, a maintenance crew, a machinist, caretakers, and oddly enough, only one whose official pay roll designation is "electrician."

Personnel includes E. J. Pearson, Charles Moore, J. M. Roberts, Holace Sutton, Hiram Leatherwood, Jim Ike Gates, Lenn Brown, Russell Zumstein, D. R. Williamson, Robert Harer, Creed Gates, Lee R. Brown, Clyde Holt, Jack Redmon, Joe Teague, Winfield Brown, Lester Tweed, Calvin Cogdill, Charles Ford, Harrison Phillips, Woodrow Phillips, Boyd Hannah, Garfield Jenkins, Dillard Black and Scott Ball.

Welcome Mat Out

Plant staff members are hospitable to guests, and any visitor who makes the rugged trek there is warmly welcomed. Not many or-

Canton Main Dispatching Station

Four transmission lines carry the power from this plant for distribution. Two lines go to the Canton substation, which is the dispatching station for the entire Western Division. It sends power to the Hazelwood, Asheville, Spruce Pine and Black Mountain stations, as well as to Greenville, S. C., and the Duke Power Company. As would be expected, the plant

WANTED

Experienced Beauty Operator with Waynesville following preferred. Call GL 6-5198 after 6 p.m.

How To Kill Athletes Foot Germ

Quickly relieves itching, kills fungi of Athlete's Foot on contact, aids rapid healing of red, raw, cracked skin. Helps remove soft corns and calluses. Checks foot odors and foot perspiration. Relief guaranteed or money back. Don't wait! Get BLIS-TO-SOL NOW, adv. CURTIS DRUG STORE

Here's where your PROFITS start...

the DOZEN!

produce 30 to 40 dozens of eggs from this bag of Security Egg Mash and Feed. It is built to help you produce a flow of large, Grade A eggs and to keep them in good condition. Careful ingredient selection, extensive research and precision manufacturing are the reasons why Security is a better job.



By the GALLON!

Approximately 40 gallons of milk can be produced from this bag of Security Dairy Feed, fed along with available roughage. Lowered feeding cost per gallon of milk produced can be yours on a Security Program. There is a specific Security Dairy Feed for any phase of your cows' life and for maximum utilization of your pasture and roughage.

the POUND!

produce 150 pounds of pork from this bag of Security, fed along with corn. Choice ingredients are blended in an appetizing feed with the right amounts of vitamins, minerals and carbohydrates for building big frames, putting maximum amount of flavorful pork on the minimum time and getting proper finish. YOUR SECURITY DEALER.



HAYWOOD COUNTY FARMERS CO-OP

H. M. Dulin, Mgr. Depot Street

FOR RENT

2 FURNISHED APARTMENTS
204 East Street
\$100 Per Month For Both

LISTINGS WANTED

We Have Inquiries For Houses, Lots and Farms
If You Have Real Estate To Sell Reasonably

CALL
HARRY LINER
REAL ESTATE & INSURANCE CO.
GL 6-4331 TODAY



FOR REAL
WESTERN BARBECUE
IT'S THE
CHUCK WAGON

Spare Ribs and Chicken
Our Specialty

Dellwood Hills Court
AND
New Dining Room

ON SOCO HIGHWAY
Dial GL 6-6669

WELCOME TO THE 37th ANNUAL CHEROKEE INDIAN FAIR

Tues. Thru Sat., Sept. 21-22-23-24-25

PROGRAM OF EVENTS (TENTATIVE)

NOTE:—All exhibits will be open for free inspection during the hours indicated below. All games, contests, and sport events are free attractions and will be held in the stockade on the fair grounds unless otherwise specified.

Entrance Gate Open at 7:30 A. M. Daily

DAILY PROGRAM

8:30 A.M. to 11:00 P.M. Agricultural, Women's and Indian Arts and Crafts Exhibits.
10:30 A.M. Archery and Blowgun Contests.
2:00 P.M. Indian Dance.
3:00 P.M. Indian Ball Game.
7:00 P. M. Indian Dance.
8:00 P.M. Square Dancing and String Band Contest.

SPECIAL EVENTS

WEDNESDAY, SEPTEMBER 22
12:00 Noon. Grandstand. Cherokee Choirs and Quartets. (songs in Cherokee Language).

THURSDAY, SEPTEMBER 23
11:00 A.M. Grandstand. BABY SHOW.

FRIDAY, SEPTEMBER 24
12:00 Noon. Grandstand. Cherokee Choirs and Quartets singing in English.

Friday, September 24, will be SCHOOL DAY. All children attending school including high school students will be admitted free. Two games of Indian ball will be played, one by boys from two of the elementary schools of the Reservation, the other by adult teams.

Saturday, September 25, has been designated as Children's Day. All children 11 years of age and younger will be admitted free on this day. There will be two ball games, one by boys and one by adults.

ADMISSION RATES

For each person over 12 years of age	\$0.75
Children over five years and under 12 years	\$0.30
Season tickets for persons over 12 years of age	\$2.25

Don't Miss The Cherokee Indian Fair

"Bigger and Better Than Ever"

Reached by US 19 and 441 and NC 107 or 28
CHEROKEE, N. C.