4110, K + 19 S

THE NEWS-JOURNAL

THURSDAY, SEPTEMBER 22, 1949

as curtailing freedom-somebody

Carolina Power To Open New Plant Sept. 30

chapter will be added to the story of the electrification of the Carolinas Friday. September 30th, when Governor W. Kerr Scott tion will begin at 2:30 p. m. Frithe Carolina Power Company's F. Ertel Carlyle, and L. V. Sutton, an abundance of electricity to one



Your GREATEST Home Heater Value

"MIDGET' Pilot

The Over 40 Hours

On One Gallon of Oil

"Floor-Flo" Blower

LARGE Heat Extractor

HEAT OUT INTO

Iqueezes EXTRA

RAEFORD, N. C.

More Heat

Across the Floor

Fully Automatic No Work • No Dirt

With thermostat-control, you can enjoy FULLY AUTOMATIC HEATING, no work, no dirt, no forgetting, no wasteful overheating. For carefree comfort-allover warmth-buy PERFECTION.

See It Here Today

RAEFORD FURNITURE CO.

PHONE 217-1

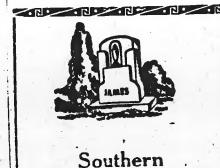
the formal inauguration here of pate. production at the Company's UNIQUE STRUCTURE The addition of a twelfth gene_ Lumberton steam electric generating plant, three miles from this rating plant to the facilities of town, and on the banks of the Carolina Power & Light-three Lumber River. Within a few steam, nine hydroelectric-intromonths, installation of another duces a new type of power maker 60,000 unit will bring capacity to to the southeast. It is of the semi-Lumberton, N. C .- A vigorous 120,000 horsepower, and basic outdoors construction, with only provisions have been made to essential parts covered, and much of the structure open all around. double this as the need arises. Formal opening of the new stacloses a switch and sends 60.00 day, and will be broadcast. In time, will generate 752.000,000 strated at the opening of this, cooling waters from the river, electrical horses galloping over addition to Governor Scott, Rep. kilowatt hours per year, and bring new plant.

that used by over 300,000 average which reduce it to the consisten-

residences. WEIGHTY

presents a lot of steel, cement; in suspension, much as gas or oil and sheer weight. Behind the 200- would do. foot smokestack are two 115-foot boilers, made of huge arcs tem- miles of pipes made of special alpered steel pipes rimmed by ce- lay steel, surrounding this fire ment walls. The boiler room is nine stories high. based on 1002 pilings, each de- Heat-resistant cement backs up generator. The turbine room is pipes next to the fire from burn- work. built on a five-foot-thick foun- ing up. dation of cement, laid 38 feet ' clow the surface, and each turbine pede tal-a massive table- by, circulates in the pipes exposalmost as much stuff underground into steam at a pressure of 1350 as there is in sight.

The plant is located on a 1,000 acre tract lying along the river. heit, at which temperature the The river channel itself under- pipes are red hot. ent a change to supply the enormous quantity of water needed



Marble Works Lumberton, N. C.

Get our prices before buyno cour monument.

for condensing spent steam back tricity in the generator. into water. A dam, its top only It is at this point that the Lumthree feet below the surface of ber River enters the picture. As made to bring about a better ba- grow and what they can't-fail the formal level of the stream, the steam is released from its lance. When bins, cribs and to recognize that allotments are guarantees a basin of condensing narrow confines, and hits the re- warehouses are full-excess pro- for the protection of both the water, but all the water taken volving metal wings of the bur, duction wastes soil fertility and farmer and the consumer. The from the river is returned to it. bines, it loses its force because of depresses farm prices. Price sup- program is merely an orderly HOW IT WORKS

enerated here is equivalent to From here it goes to pulverizes,

cy cf talcum powder, and it is then blown through six jets into The new Lumberton plant re- the huge boilers, where it burns

The boilers are composed of

Water, derived not from the river, but from deep wells nearpounds per square inch at a temperature of 955 degrees Fahren-

heat from the huge fire is not re-

leased entirely through the smokestack, but blown back into the maelstrom by fans to add its tem- Balance Abundance

perature. Little is left of the coal, but ashes are collected at the bottom of the furnace, ground to fine par-

ticles, and taken away in sluices to disposal grounds some distance from the plant.

The steam is rushed to the turbir and thrown against the opne-like flanges, which turn the turbines at a speed of 3600 revolutions per minute, much as water turns a waterwheel, and this energy is transformed into elec-

pump electricity into the homes, steam at the entry end. To get the government. The new plant, operating at stores and factories of the Caro- exhausted steam out of the way, full capacity 85 per cent of the linas will be graphically demon- a condensing system, using the

quickly reduces it to water, which Coal, brought over spurlines of is returned to the boilers for renetwork of lines. Occasion will be president of CP&L, will partici- of the richest agricultural areas two railways (950 tons per day heating into steam. The 100,000 of the two states, and one hungry at full load on two units) is car- gallons circulating each hour in for new industry. The power ried by endless belts to a crusher. the boiler pipes is thus used over and over again.

From the river comes 125,000,-000 gallons per day for condensing, after being chlorinated at the intake. It is pumped to the condensors through four 36-inch pumps. That is enough water to supply a city of a million population.

The power thus generated is stepped up to 22,000 volts and transmitted to the Lumberton. signed to support 20 tons. Beyond the network of pipes, and behind substation, and stepped up to the coilers are the steam turbines, it is another maze of pipes through 110,000 volts to go to other points cone-shaped flanges or wings up- which water circulates to all for distribution over the Carolina on a shaft connecting with the points of the boiler to keep the Power and Light Company's net-

The plant was designed and its construction supervised by Ebasco Services of New York. G. E. Chamerlin succeeded C. H. Kelweighs around 12,50 tons. There's ed to the heat, and is transformed sey as consruction superintendent. Blythe Brothers of Charlotte and many other sub-contractors did most of the work.

Resident Superintendent of the plant is J. S. Newbold. Approxi-For the sake of economy, the mately 60 persons will be required to operate the station.

By Conservation PMA Head Says

It is fortunate that the Nation's farmers can produce enough corn, wheat, cotton, peanuts, tobacco. potatoes and similar crops on fewer acres, says R. J. Hasty, Chairman of the Hoke County PMA Committee. By using less land to produce currently needed crops, farmers can build up more of their land as a reserve for the

tion. Shifts in production must be telling farmers what they can

Phone 5676

expansion. Presence of the spent port efforts without adjustments means of adjusting production in-How coal, water, machinery steam in the far end of the cham- to changed needs place an unnec. stead of bringing it about through and ingenuity are combined to ber blocks the entry of working essary and expensive burden (on depression and a market crash." In answer to critics of adjust- | National Fire Prevention Week

ment effort, Mr. Hasty states; will be observed from October "Those who look upon allotments 9 to 15.



Get FREE TICKETS

On Chevrolet Passenger Car

To Be Given Away October 5

McNEILL CLEANERS

Raeford

"CAN I CUT THE COST **CF MY AUTO INSURANCE?"**

If you're a select risk driver you can qualify for economical protection with Farm Bureau Mutual Automobile Insurance Co., Columbus, Ohio.

SELECT RISK COMPANY

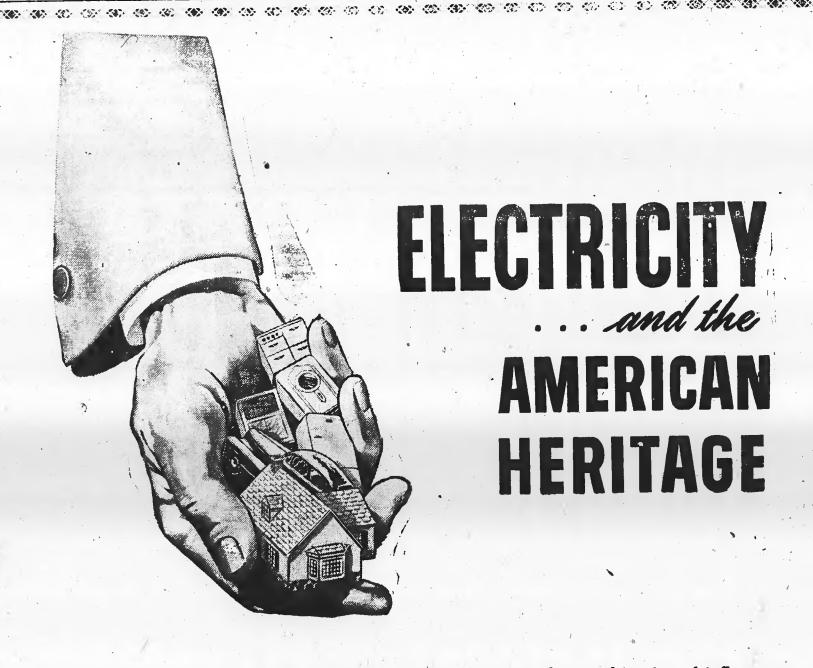
AUTOMATIC RENEWALS

OWNED BY POLICYHOLDERS

Fill out and mail this coupon. There's no obligation.

J. W. CANADAY **ROUTE 1. SHANNON, N. C.** Gentlemen:

3



The American Heritage consists of a combination of influences and ideas — most of them originating in the early days of our history when a people's gover was formed. In our nation where the decision of the people is the ultimate authority, it follows that the welfare of the people is the guiding force of our way of life.

Since the day of Benjamin Franklin and his kite and key, ELEC-TRICITY has had a more and more important influence upon the peoples' welfare It has made mass production of goods possible — it has eased burdens of work in industry and agriculture and has made the American standard of living the highest in the world. Electricity has made the American Heritage the envy of the world.

CAROLINA POWER & LIGHT COMPAN

iuture. The reduced emphasis on
cash crops also opens the way
for a better balanced production
for present needs, the chairman
points out. The need for more
livestock and livestock products
opens the way to a better deal
for people generally and at the
some time assures farmers of an
income from land taken out of
adjustment/crops and put into
pasture and hay. These crops, ir
turn, build up humus and plan
food reserves for future produc-
/

Real Estate LOANS

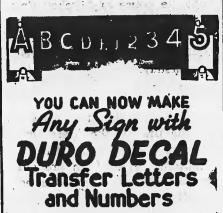
have 1 new house which can sell and finance to F. H. A. approved buyers for as little as 20 percent down.

F. H. A. Insured Home Loans for 20 Years at 4 1-2 Per cent Interest.

I Will Handle Your Application

Also Lots Approved For F. H A. Loans For Sale.

Julian Wright Office: Central Avenue



ot doors . windows . TRUCKS ele WILL STICK ON ANYTHIN LAST A LIFETIME ·EASILY APPLIED MADE IN & SIZES FROM 14 TO SJ VERY INEXPENSIVE

ON SALE AT The News-Journal

Please quota rates on my car:						
Make	Fear	Body	Туре	Model	•	
My present ins	urance e	xpires (d	late)		······	
My Name	·····	e 				
Address		·····		·····		
Age	Occup	ation	<i>.</i>		, ,	





This product will be demonstrated in our store on Thursday, Sept. 29, 1949 by a company representative. If your condition has been diagnosed by a physician as bronchial ASTHMA, we are sure you will be interested in this product.

If you are a present customer of the company, please bring in your nebulizer for free servicing or repair.

