

and a little later four more rated 1000 K. W., 325 volts.

About this time the aluminum business was growing very rapidly and plants were built in Canada, Massena, N. Y., and another in Niagara Falls, N. Y. The idea of using direct current generators directly coupled to water wheels was carried out in each of these new plants, in each case the size of the generator being made larger than anything built before—the Canadian and Massena generators being rated at 2200 K. W., 525 volts and the new Niagara machines 3500 K. W., 650 volts. The Niagara machines were so much larger and ran so much faster than any built up to that time that considerable trouble was experienced in getting them to operate in parallel. Flashovers were frequent, sometimes several in a day, and burned out armatures, commutators, brush rigging were a constant source of annoyance. After about five years of continual repair and rebuilding these machines ran very well. The Canadian and Massena machines never gave much trouble.

The next development was some large vertical direct current generators added to the Massena plant. Then 9 rotary converters at Maryville, which the Westinghouse Company advertised for a long time as the largest rotary converter installation ever made, followed by 22 rotary converters added to the Massena plant furnished by power over a seventy-five mile transmission line from the Cedar Rapids power plant on the St. Lawrence River Power Company. The Massena rotary station was and is still the largest rotary converter station, both in number of machines installed and in K. W. output, ever built.

We next come to the Badin development where we have the largest rotaries ever built and had for a time the largest water wheels and water wheel driven alternators ever built. The power plant on the Little Tennessee River at Cheoah was then completed and in a few weeks our plant at Yadkin Falls.

—H. S. B.

Why Is a River—Huh?

There's a million mushy ballads sliding down the scales of Time,
Full of guff about some fairy—and then to help the rhyme,
The author-lover-poet hunts an atlas for he knows,
That he's due to kiss and leave her where some blooming river flows.



THE MORNING GEORGE BROUGHT HIS BOXING GLOVES TO SCHOOL

Even if the charming chicken has a hunch she'd like to cuddle,
Right now, right here, right anywhere,
beside the nearest puddle,
Her geographic lover calmly fills the flivver's tank,
And they do their farewell fadeout by some well known river's bank.

Oh, sure, rivers come in handy—there's Massena with the Grasse,
Shawinigan and Cedars watch some man's size rivers pass,
Niagara roars for metal and Alcoa came to be
When Cheoah stopped the shimmy of the Little Tennessee.

And in good ole jazzin' Badin—the baby plant of all,
We're turnin' out the metal with the yellow Yadkin's fall.
Yes, we do our work near rivers—as a healthy river's roar
Has a soothin' purrin' cuttin' in the cost of cookin' ore.

So we're thankful to the Yadkin for providin' us with jobs,
But as for farewell weeps down there—I never seen no mobs

Of guys and dames farewellin'. Say, them poets must be bugs,
To haf to hunt a river just to snatch some chummy hugs!

—J. G. T.

Interesting April Arrivals

To Mr. and Mrs. Moton, Cedar Street, a daughter, April 5.

To Mr. and Mrs. Russell, Cedar Street, a daughter, Mary Elizabeth; weight, 9 3/4 lbs.

To Mr. and Mrs. E. B. Blackwelder, a daughter, 8 lbs.; Virginia Katherine, April 12.

To Mr. and Mrs. G. H. Sykes, Spruce Avenue, a son; Jr., 8 lbs., April 17.

To Mr. and Mrs. L. G. Green, April 19, a daughter, Saidee Frances; 7 lbs.

To Mr. and Mrs. G. N. Trexler, Boyden Street, a daughter, Nell; 5 lbs., April 25.

To Mr. and Mrs. J. W. Lowder, Maple Street; a son, 9 lbs., April 27; Creel Alexander.

J. B. Mintz and Fred Childers are at the Jenkins House, S. E. Killian and R. B. Lee at Mrs. Lilly's.