Other Departments

Electrical Department

Electrical work in BADIN is about as varied as will be found in any part of the country. The work might be classed in two general classes, namely: inside work and outside work.

The inside work includes installing and maintenance of all sizes of motors, both alternating current and direct current, from a small fan motor to 1500-horsepower motors; cranes of all sizes up to one hundred tons capacity; alternating current generators, transformers, and rotary converters of the largest sizes; motor repairing, armature winding, etc., in our repair shop; and all kinds of open and conduit wiring for power distributing and lighting systems.

The outside work includes the erection and maintenance of some of the largest power transmission lines ever built; also house lighting systems, street lighting systems, telephone systems, etc.

For men interested in station operating, we at times have good openings in our hydro-electric stations or our rotary converter sub-stations. Men work eight hours on a shift, and change time of eight-hour shifts each month. Work in any of these stations is pleasant, as the buildings are clean, light, and well ventilated. Forced ventilation is used in our stations, and in some of them the air is cooled and cleaned by the latest type of air conditioning apparatus before it is blown into the stations by the large ventilating fans. Stations are fitted with shower baths and individual lockers.

Mechanical Department

The upkeep of a Plant which is built upon as gigantic a scale as this, necessitates the operation of a mechanical department. In this department, such skilled workmen are employed as mechanical engineers, draftsmen, machinists, sheet metal workers, blacksmiths, riggers, locomotive engineers, firemen, locomotive crane operators, and electrical crane operators, and from time to time there are excellent openings for men of the above-named trades.

Advancement is rapid for a man who shows marked ability along his particular line of work, as the policy of the Tallassee Power Company is to promote men on the job rather than go to the outside and employ new men for executive positions.

Carbon Plant

One of the materials used in the manufacture of aluminum is carbon. In order to manufacture carbons, a plant is required entirely independent from the aluminum plant, and nearly as large. In this plant a number of raw materials are taken and mixed together; they are then subjected to enormous pressure in powerful machinery, and the resulting product baked out at high temperature to produce what we know as a carbon.

In this plant, one of the most important items is the machinery for handling materials, of which there are a great many different kinds. In addition to this conveying machinery, we also have a boiler plant, a number of gas producers, a number of different types of grinding machinery, a number of high-pressure pumps, and several electric cranes.

The work in the carbon plant is composed of so many different steps that it is necessary that the work be done in departments, so that, in addition to the opportunities for the ordinary working man, there are opportunities for men acquainted with the operation of machinery, and for men accustomed to handling other men. The work is steady and inside work, and for these reasons is just the kind that a man who wants to be sure of a steady income would look for.

Construction Department

All buildings in Plant—white and colored townsites, including roads, streets, sidewalks, water lines, and sewer systems, have been built by the construction department, which offers work in every department to common laborers, as well as to the high-priced skilled mechanics.

Badin Public Schools

(*Continued from page 6*)

DOMESTIC SCIENCE work consists of (1) care and handling of equipment, (2) cost and preparation of plain, wholesome food, (3) comparative food values, especially after-the-war menus, (4) table setting and serving, (5) serving school lunches.

A special course is given for the housekeepers of BADIN. It is most enthusiastically received by the ladies.

DRAWING—Courses are offered in both mechanical and freehand drawing. In mechanical classes, the pupil learns to read understandingly a simple drawing, and to make his own drawings for manual training work. The freehand course is designed to develop power of observation, imagination, and self-expression. It is correlated with the other subjects so as to give a better understanding and appreciation of the work.

MUSIC—About six per cent. of the school day is devoted to music. Sight reading and voice culture are included. The Victrola is used for appreciation.

NIGHT SCHOOL—The night school offers (1) work in elementary education, the rudiments in the three R's being taught; (2) vocational courses, under supervision of the heads of the Departments.

GOOD HEALTH is one of a nation's greatest assets, and should be the birthright of every child. The school, thru the conditions with which it surrounds its pupils, its splendid course in physical education, the medical supervision it provides, the playground equipment and school lunches served, is endeavoring to raise the standard of the health of the children. The medical supervision is under the care of a competent physician.