

**ELECTRICITY**



**COYNE**

**ELECTRICAL  
SCHOOL**

TRAINING MEN AND YOUNG MEN  
SINCE 1899 BY THE FAMOUS  
COYNE "LEARN BY DOING" METHOD

**CHICAGO**

**WORLD'S GREATEST ELECTRICAL CENTER**



# Why you should get your ELECTRICAL Training in the GREAT SHOPS of COYNE

by B·W·COOKE, President

AS PRESIDENT of Coyne, let me thank you for this opportunity to tell you all about our world-famous school and what it can do for you.

YOUR FUTURE is the most important thing in the world to you. This book, "The Story of Coyne," is dedicated to your future.

It has large sized pages so we can show you big, clear pictures—to give a true conception of every department and every step in your training. It is printed in easy-to-read type because we want you to read every word.

Please, for your own sake, don't skip any part of this book. It will take only a little of your time—and it will be time well spent. Ask any of the thousands of successful Coyne graduates who got started on the road to better jobs and bigger pay through these pages!

## YOUR THREE BIG QUESTIONS

TODAY you stand at the crossroads. The decision you make now will affect all your future happiness. You have three vital questions to settle in your mind:

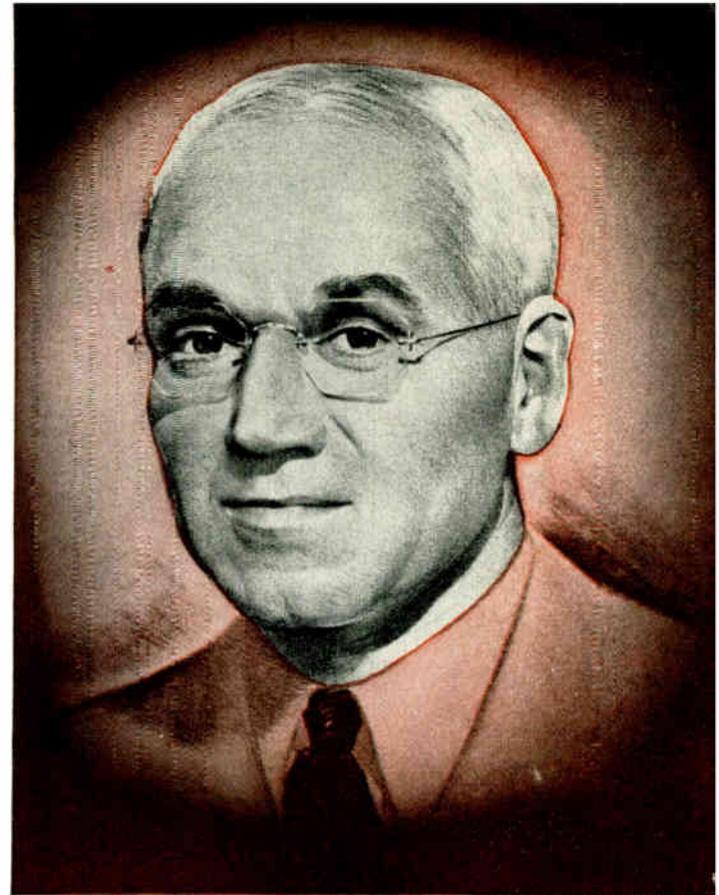
1. SHALL I MAKE ELECTRICITY MY LIFE WORK?
2. HOW WILL COYNE PREPARE ME FOR SUCH WORK?
3. IS COYNE THE QUICKEST AND BEST WAY TO GET READY?

Each of these questions is answered, frankly and fully, on the following pages. When you finish reading this book, we feel sure you will know how to decide.

## COYNE HAS GROWN WITH ELECTRICITY

OUR school of practical training was established in 1899, nearly fifty years ago, and has been in continuous operation ever since Coyne pioneered the "Learn-by-Doing" method of instruction. Here you are told, you are shown, and you actually do the practical jobs yourself on real equipment—just as if you were out working in the Electrical field.

This practical experience is backed up with necessary theory that you get by interesting



Above you see a picture of B. W. Cooke, President of the Coyne Electrical and Radio School. Mr. Cooke has been identified with Coyne for more than 30 years. He is an inspirational leader and executive with a deep interest in the welfare and progress of every Coyne student and graduate. He is a member of the American Institute of Electrical Engineers, an Associate Member of The Society of Automobile Engineers, and an Associate Member of The American Society of Mechanical Engineers, and one of America's leaders in the field of practical training.

S. C. NARLAND, Vice Pres. & Gen. Mgr.

lectures and equipment demonstrations. No student has to recite in class.

At Coyne you learn to work with your head as well as your hands. That's why our students make such rapid progress, both here in our shops and out on the job.

COYNE has a background of nearly half a century of experience in training men for better jobs.

We have kept pace with the tremendous growth of Electricity, constantly adding new equipment and including the latest developments in our training.

Before America entered World War II, the Government recognized Coyne's outstanding position in the field of practical training, by selecting us as one of the first schools to train specialists for the United States Army. During the war we trained many thousands of soldiers as specialists for the Signal Corps, Anti-Aircraft and Army Air Force.

## PREVIOUS EXPERIENCE UNNECESSARY

YOU don't need previous experience in order to take Coyne training. The Coyne "Learn-by-Doing" Method takes the place of previous experience in Electricity. Some Coyne graduates have told us that when they left Coyne and went to work it was like stepping from one job to another—the work they had in school was so much like that out on the job.

On the other hand other students had experience in some branch of Electricity, but lacked the all-around knowledge for real success. They were not satisfied with being half-way Electrical men—they wanted to have an all-around training to equip themselves for the better jobs and opportunities in Electricity.

Experienced or not, you'll make rapid strides here at Coyne. You'll start with the simple jobs and progress step by step to the more advanced work. You'll cover various important branches of Electricity from signal equipment to power equipment. Then you'll be ready for a lifetime of opportunities!

NOW—come with me in the great Shops of Coyne. See how we train men and young men by the famous Coyne "Learn-by-Doing" Method. Read the facts. See what Coyne Training can mean to you in the field of Electricity.

[ 1 ]

FOUNDED 1899

Famous for Nearly  
50 Years.



This modern fireproof building—over 60,000 square feet—is occupied entirely by Coyne. Our light, airy shops contain one of the greatest outlays of Electrical training equipment anywhere in America!

World Radio History

HERE IN THE  
**GREAT  
 SHOPS**  
 OF  
**COYNE**

You "Learn-  
 by-Doing"



## You do Actual Jobs on Actual Equipment . . . . . One of the Largest Outlays of its Kind in America

**T**HE fellows in the picture above are getting practical Electrical training the COYNE way—the "Learn-by-Doing" way.

Every one of them is doing real Electrical work with full-size Electrical equipment. In this case they are wiring and testing A.C. Motors and Controllers. But the same real-job training is given all through our Course. Thousands of our graduates have proved that this is the right way to learn Electricity.

### What You DO, You Remember

**A**T Coyne you work in the midst of a vast array of Electrical and Electronics equipment. You are TOLD how and why the equipment or apparatus works, with all important facts and theory explained in simple language. Then important points are SHOWN in demonstrations on the equipment itself.

Then—you actually DO practical work on equipment with your own hands. There's no substitute for doing the job yourself. You'll be surprised how easy it is to remember things

learned this way. Each step is fixed in your mind, and when the same problem comes up out in the field, you'll know exactly what to do.

You are also shown how to make brief, practical notes and diagrams from the lectures and shop jobs, to keep in your notebook for reference after you graduate.

### Instructors Work with You

**O**NE of the outstanding features of Coyne "Learn-by-Doing" Training is the individual assistance given each student by our instructors. You will find that students and instructors are real friends here at Coyne. They work together, side by side, throughout the course of training.

All Coyne instructors have been selected not only for their knowledge and experience, but also for their patience and sympathetic consideration. Because of this friendly contact, our instructors get to know each student within a short time. They are able to help you get the most from your training. If you naturally

learn faster, then you can rapidly advance to the next job. But you can take all the time necessary on each job, and come back later for review if you wish. Our method is adapted to the individual student's needs.

### You Advance Step by Step

**A**S YOU go through our course, each job you do leads to the next one. Almost before you realize it, you are doing work that a few days before may have been a mystery to you. But so thoroughly have you been trained, with our "Learn-by-Doing" method, that you can take on these advanced jobs with complete confidence.

You will be literally amazed at your rapid progress. Right now it may seem hard to believe that, within a few short weeks, you can prepare for a real job in Electricity at Coyne. But thousands of fellows just like yourself HAVE DONE IT—and Coyne offers you the same opportunity when you "Learn-by-DOING."

## These are the **3 EASY STEPS** in Coyne's Famous "Learn-by-Doing" Method



**1**

**YOU ARE TOLD.** Interesting lectures, including sound movies and slide films, teach you the "why" and "how" of Electrical principles and how they apply to equipment.



**2**

**YOU ARE SHOWN.** The instructor, who is an expert in his particular field, demonstrates typical jobs with the equipment, clearly and carefully explaining all details.

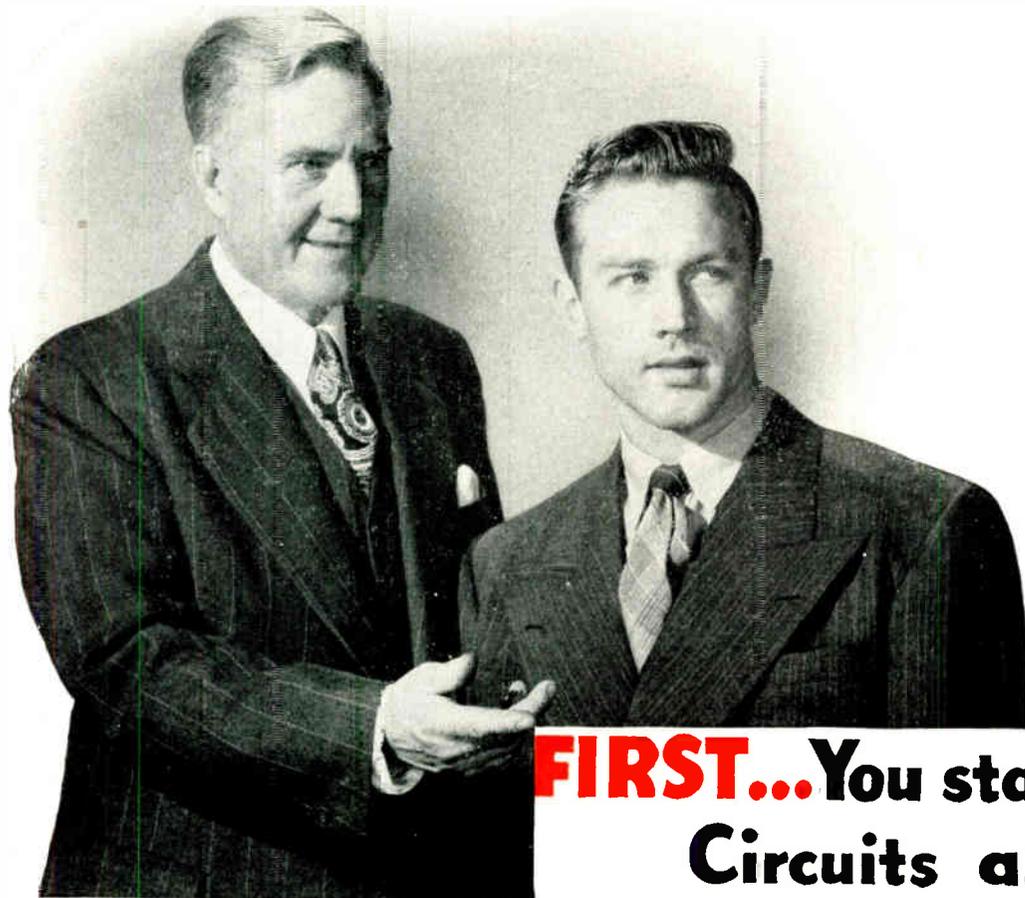


**3**

**YOU DO PRACTICAL JOBS YOURSELF.** You work out practical jobs on actual shop equipment, and your jobs are checked to make sure you have everything right.

*Now,*

# let's visit the **COYNE SHOPS** ... Department by Department



**H**ERE'S where we get right down to the vital details of Coyne Training. Below and on the next 20 pages you will go through the five departments of our Electrical Course; 1, Elementary Principles and Electrical Wiring; 2, Direct Current and Armature Winding Department; 3, Alternating Current and Stator Winding Department; 4, Testing and Repair Department; 5, Industrial Electronics Department. Each of these departments requires three weeks time. When you finish this entire course, you will have an "ALL-AROUND" knowledge of Electricity based on practical, first-hand experience. You'll be able to step into many different types of Electrical work with the "know-how" to do the job right!

NOW, AS YOU GO THROUGH THE FOLLOWING PAGES, I WANT YOU TO PAY PARTICULAR ATTENTION TO HOW OUR STUDENTS ARE GETTING THEIR TRAINING. As you go through these different departments, I'm sure you can't help but agree with me when I say—the way to get a practical training in Electricity is the way it is taught at Coyne.

NOTE: Each illustration of the shops is from an actual photograph taken at Coyne.

## **FIRST...** You start with Elementary Principles Circuits and Electrical Wiring

**T**HE Electrical training here at Coyne is designed to give you a practical knowledge of the things that are important to your future success whether it be in Service and Maintenance work, AC or DC, Power Maintenance, Testing and Repair, Industrial Electronics or other Electrical equipment.

First we give you an understanding of Electrical Laws and Principles, for, as you know, in order to do any type of Electrical work you must have an understanding of the fundamental Electrical Laws and Principles and how they apply to various Electrical Equipment. This is made clear to the student in an understandable and practical way by practical methods and demonstration equipment that we use here in the Shops of Coyne.

It is, of course, impossible to show you all of the equipment that we have in the Shops of Coyne as that would require a book many times this size. However, I want you to **EXAMINE THE PICTURES ON THE FOLLOWING PAGES AND BE SURE TO READ THE CAPTIONS** describing them which explains the jobs the students are doing.

### **You Start With Electrical Fundamentals**

**I**N the first department you cover such subjects as Fundamentals of Electricity, magnetism, static and dynamic electricity, conductors and insulators, units and symbols, Ohm's Law, Watt's Law, Kirchhoff's Laws, series and parallel circuits, permanent magnets, electromagnetism, electromagnetic induction, dry cells and storage batteries, relays, rheostats, switches, buzzers, bells, lamps, annunciators, principles of generators, transformers, meters and telephones; blue print reading and circuit tracing, wire splicing and soldering.

During class discussion, Instructors explain the construction, operating principles, circuit

diagrams and test procedure of the various types of Electrical equipment. The use of demonstrating equipment and films makes it easier for the student to grasp this work.

### **The Shop Work Is Laid Out On a Step-By-Step Basis**

**T**HE student begins with simple jobs of making various types of wire splices, soldering and wiring up various types of equipment such as doorbells, buzzers, lamps and switches.

As the student advances, he starts working on more advanced jobs such as the circuit wiring of relays for remote control of annunciator systems, railway safety devices, burglar alarms, etc. The student performs his shop jobs with the help of job procedure and diagram sheets and under the guidance of trained instructors.

### **Now You Advance to Wiring for Light and Power**

**A**FTER you have finished your elementary training in the first department, you then advance to work in the practical field of ELECTRICAL WIRING FOR LIGHT AND POWER.

In this section of the first Department, you cover such subjects as general methods of Wiring for Light and Power, National code laws, inspection requirements, three wire Edison system, Polarized systems, splicing, soldering, etc.

You also get training in the methods for wiring old buildings, open wiring, BX armoured cable, conduit, and metal moulding wiring, as well as service installations, distribution cabinets and fuses.

In order to give the student real practical training in wiring a house, the frame work of

a modern bungalow has been set up in our Shops so the student can make installations under conditions very much like the conditions under which he would work out on the job.

### **Illumination and Fluorescent Lighting Included**

**I**N this department you also cover training in Illuminating principles, light and wiring layouts, calculations and tests. This part of the training is very important to the graduate who goes into Electrical wiring work or plans to operate a business of his own.

Fluorescent and Mercury vapor lighting is also covered as well as Sign Flashers, wiring principles, estimates of trouble shooting. You also get training in the fundamentals of Electrical contract and license requirements.

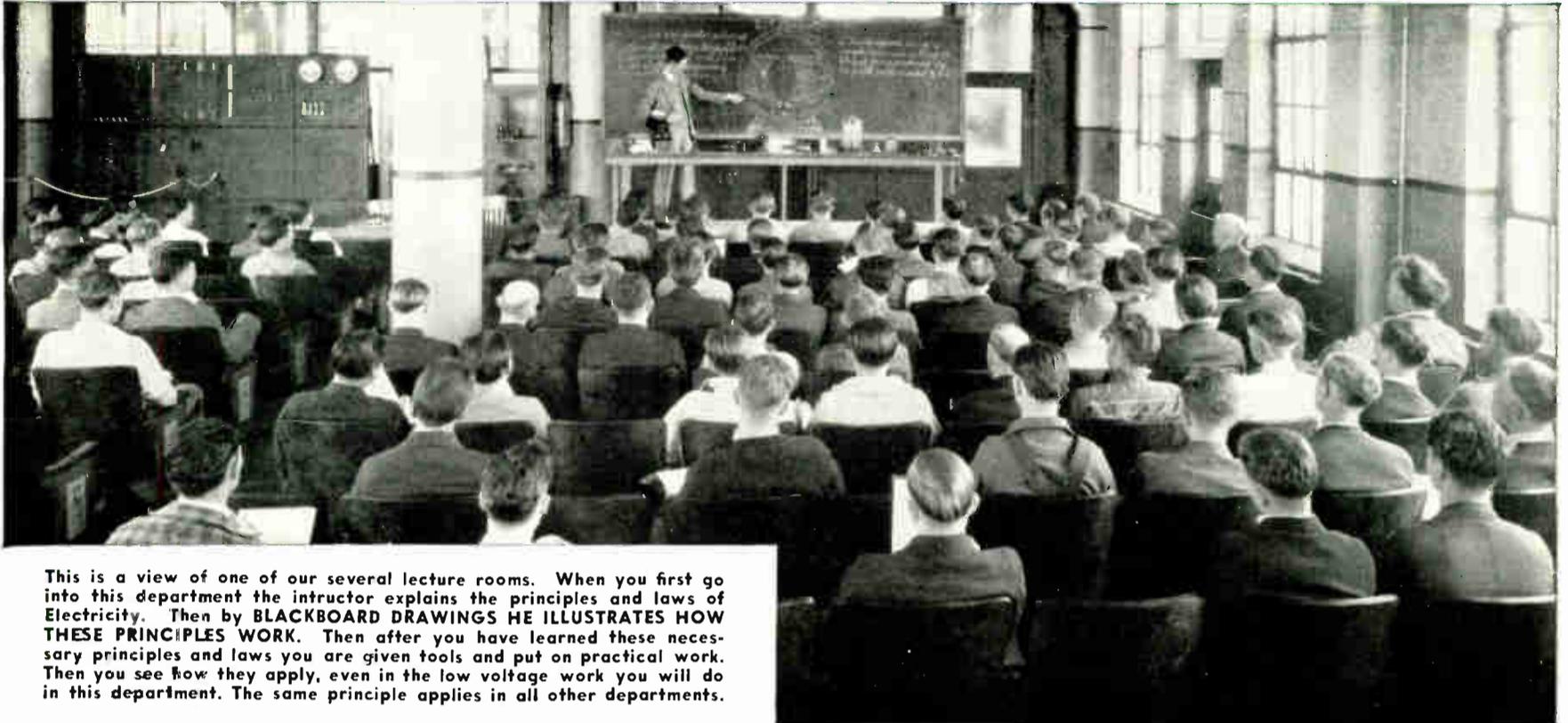
This brief description of the first Department of our Electrical Course gives you an idea of how our training is laid out on a step-by-step procedure. This method of training makes it possible for the student to become familiar with each step as he goes along—each step preparing him for the next job and the more advanced work that is to follow.

On the next four pages I show you pictures taken in our Electrical Wiring Department showing students performing actual jobs on actual equipment. Be sure to read the captions describing each picture which explains what the students are doing.

When you complete your training in our ELEMENTARY AND ELECTRICAL WIRING DEPARTMENT, you are then ready to apply your knowledge to various types of DIRECT CURRENT equipment in the next Department which is our DIRECT CURRENT MOTOR and POWER DEPARTMENT including ARMA-TURE WINDING.

# Here You Start Your Elementary work...

## Even This Is Practical Training



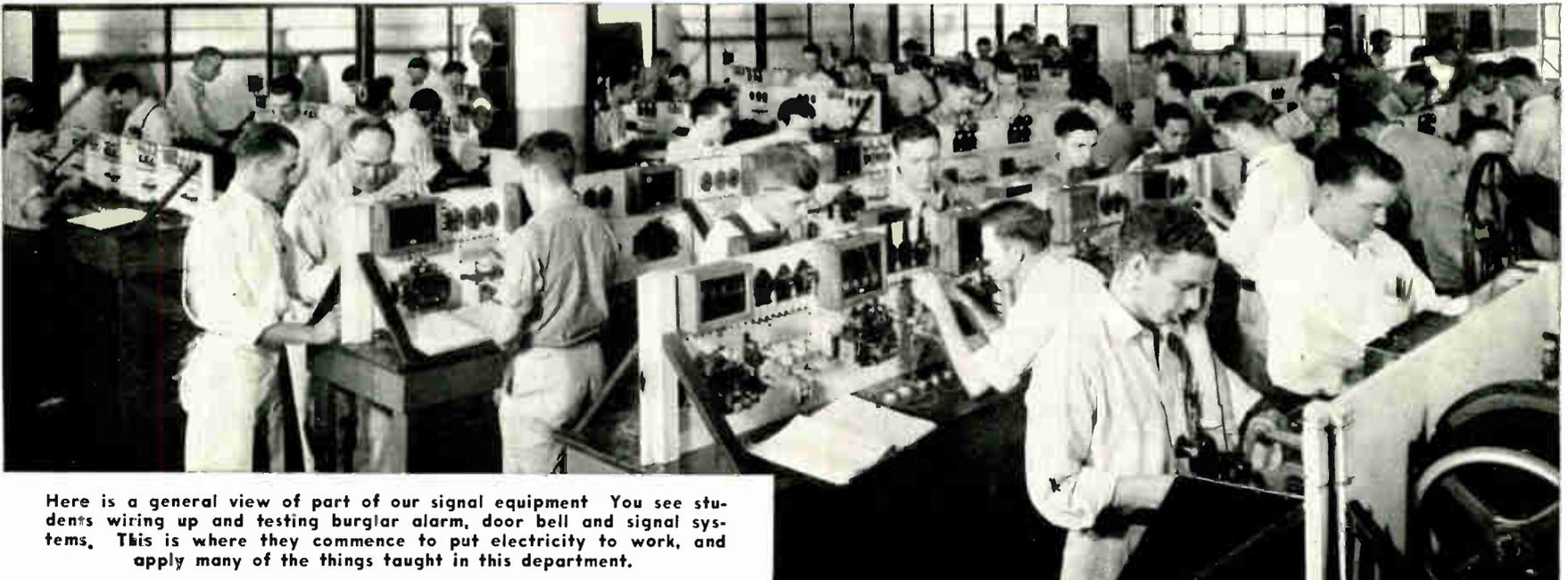
This is a view of one of our several lecture rooms. When you first go into this department the instructor explains the principles and laws of Electricity. Then by **BLACKBOARD DRAWINGS HE ILLUSTRATES HOW THESE PRINCIPLES WORK.** Then after you have learned these necessary principles and laws you are given tools and put on practical work. Then you see how they apply, even in the low voltage work you will do in this department. The same principle applies in all other departments.



Specially designed demonstration units and personal instruction make the principles of Electricity and Magnetism clear to students. On the left is a unit for demonstrating magnetic fields around conductors and coils.



This is a close up view of a Circuit Wiring bench showing an Instructor giving a new student personal help in working out a relay circuit wiring job.



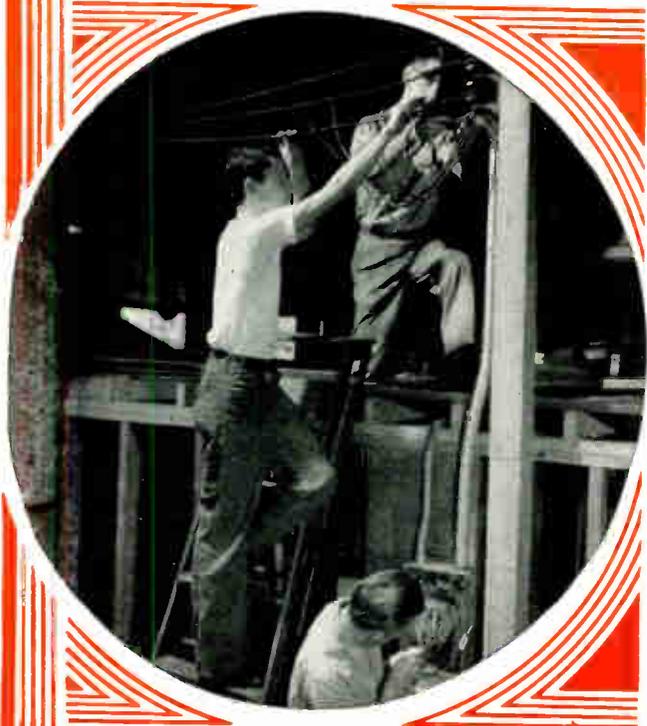
Here is a general view of part of our signal equipment. You see students wiring up and testing burglar alarm, door bell and signal systems. This is where they commence to put electricity to work, and apply many of the things taught in this department.

# Now.. You're Ready for Shop Training in Our **ELECTRICAL WIRING DEPARTMENT**

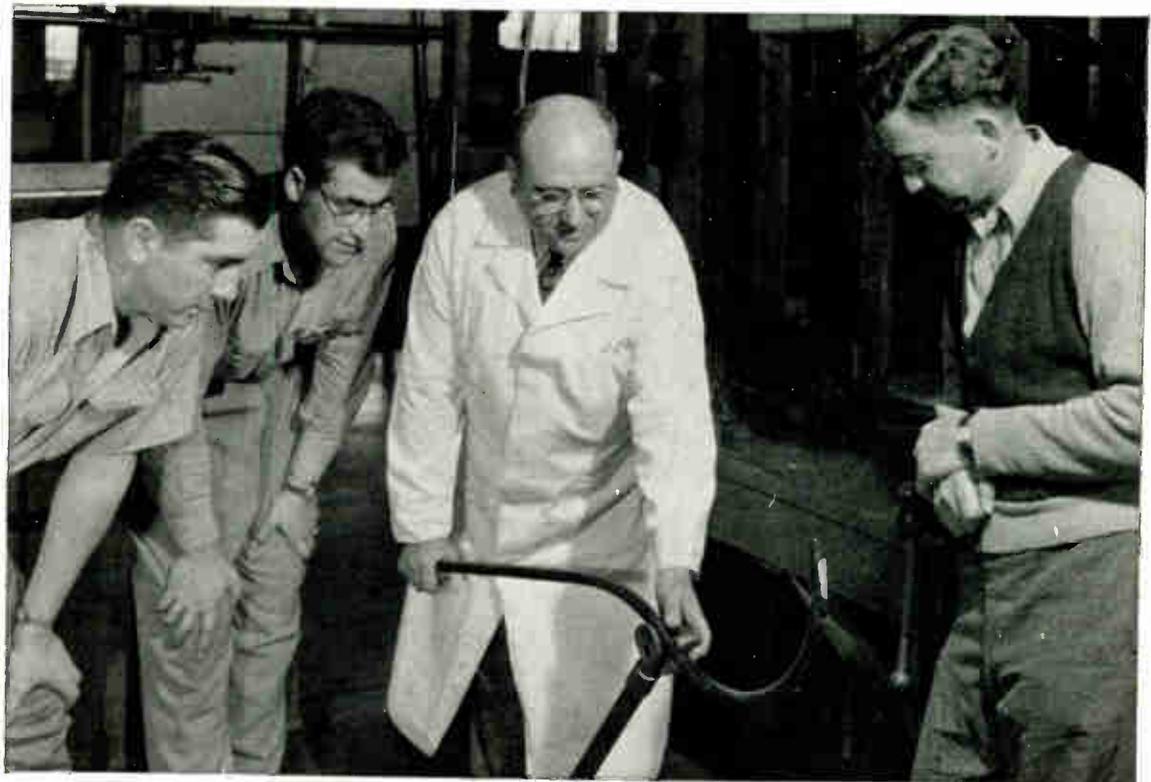
The elementary training SHOWN ON THE OPPOSITE PAGE HAS NOW PREPARED YOU FOR THE TRAINING IN ELECTRICAL WIRING. In this department you learn how to wire for lights and power. YOU LEARN HOW TO WIRE HOUSES AND BUILDINGS, ELECTRIC SIGNS, ETC. You are trained in modern Illumination methods and MANY OTHER THINGS CONNECTED WITH LIGHT AND POWER. As you go through the shop pictures of this department BE SURE AND READ THE DESCRIPTION WITH EACH PICTURE.



General view of a section of the electrical wiring department. Notice the large and well lighted shop. The men are wiring and testing light control circuits in their first small conduit layout, and getting real practical experience in the handling of tools and the use of various kinds of switches.



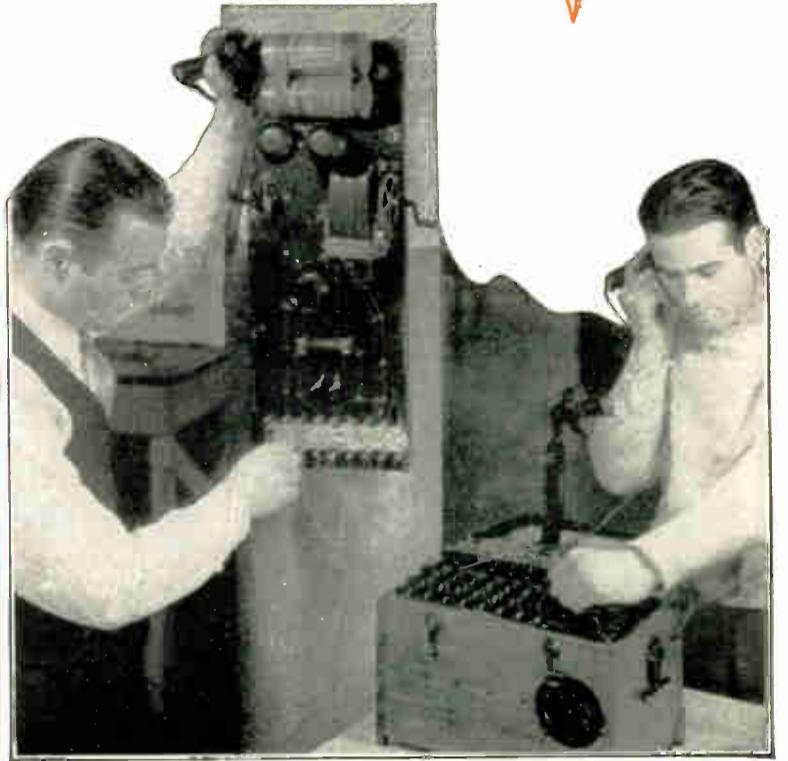
These students are checking the installation of a modern Three-Wire Service and Service Switch, such as is commonly used in wiring homes and other buildings for lights.



This Instructor is giving a personal demonstration on handling conduit. Most of the new and modern wiring for lights and power is run in these pipes called conduit. A practical man working in this line must know how to bend, cut and thread this conduit. These Students are getting a practical demonstration on bending conduit. This training is designed to prepare graduates for work in wiring of houses, buildings, etc.



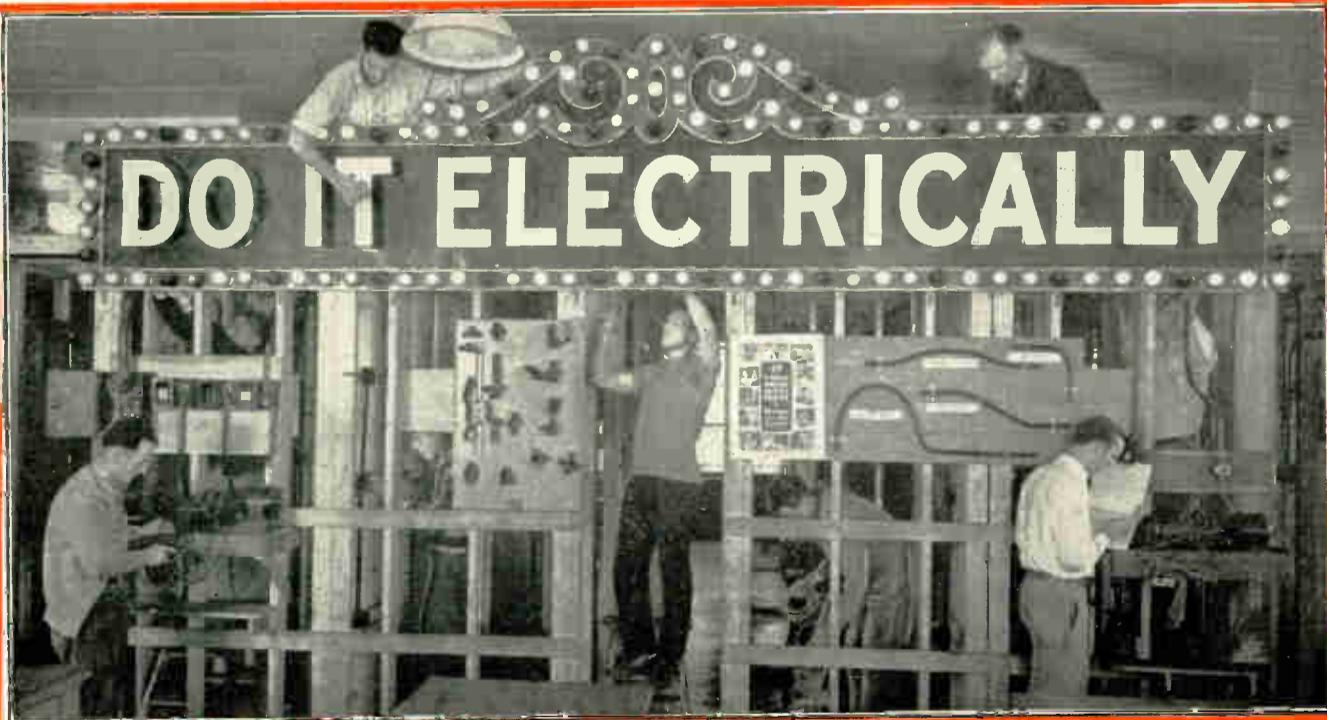
This picture shows a group of Students getting started with their jobs that will give them practice in wire splicing and soldering with gas heated soldering coppers. Notice how students get real practical training even in this first department. This is the kind of training that fits a fellow to do practical work out on the job.



The students in the picture above are wiring and testing telephones. The instructor explains the operation of each part and then the students wire up the phones and test out their work by talking over them. This is an important branch of the Electrical field and thousands of trained Electrical men are employed by Telephone Companies throughout the country.

### Praises Coyne Training Methods

“COYNE Training is very practical. I like to term it ‘Down to Earth.’ Coyne teaches you the things you will need to know when you are working out in the field, and they teach it to you right on actual shop equipment.”  
—L. E. LOPER, Florida



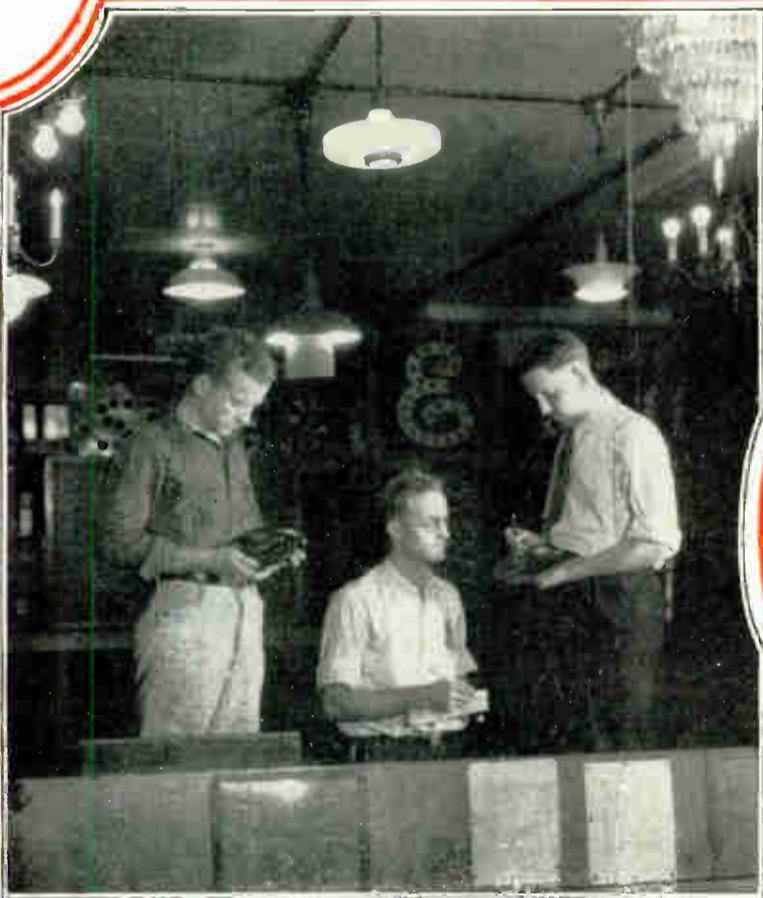
Students doing splicing and soldering. After the instructor shows you how to strip the wires and make the common splices, you make them yourself and solder them. That's "Learning by Doing."

At the left is a big electric sign which you will be trained to connect up, test and operate. These men are wiring up the motor driven flasher control, and testing the circuits and wiring on the sign.

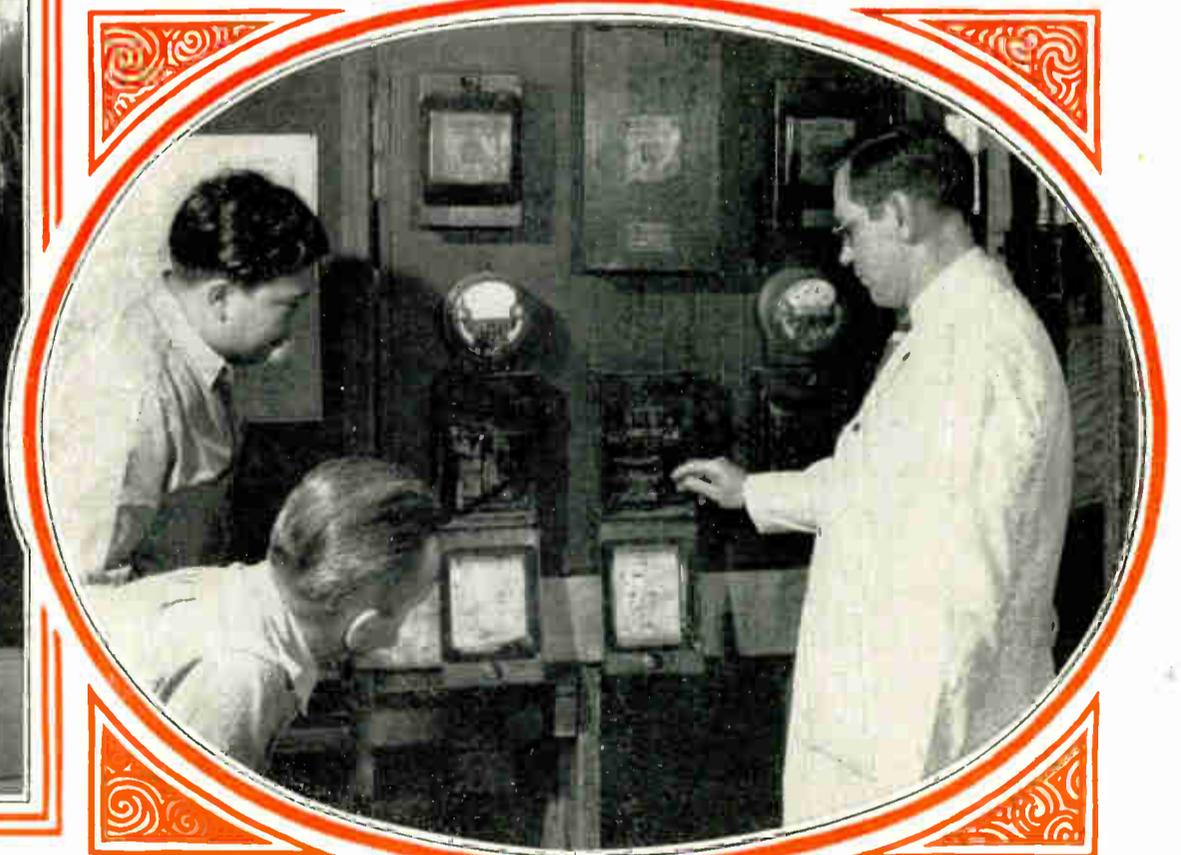
“YOU use actual equipment while you are in training. What I like most about Coyne Training is that the equipment is exactly what you will encounter while doing service work in the field.”—ARTHUR MANNING, Georgia



Here you see a picture of the illumination section, and some of the different kinds of light fixtures you work with. The instructor is showing students how to test the amount of light from each fixture with a "foot-candle meter." You are taught which type of fixture is best for home, office or factory use. Note the fluorescent lighting units mounted on the ceiling which furnish general lighting. Our entire building is equipped with this modern type of lighting units.



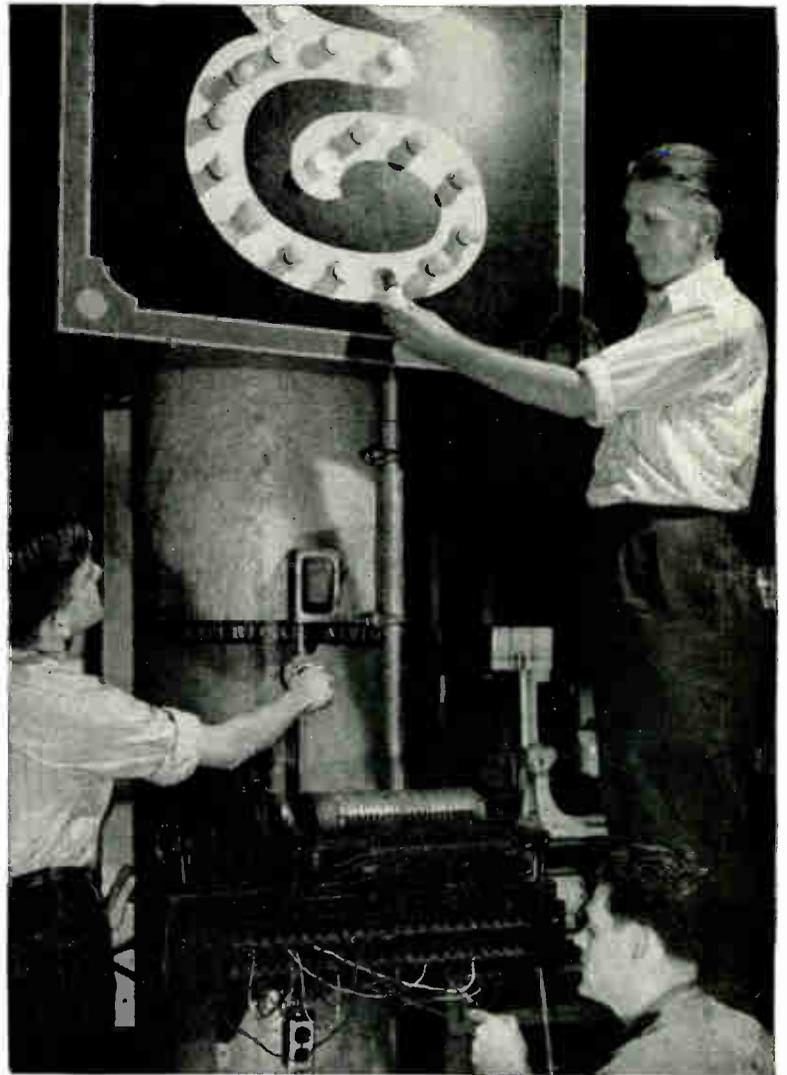
These students are making practical tests on various lighting fixtures with foot-candle meters and light meters. Their instructor is giving them a personal explanation of one of the modern type photocell foot-candle meters. This is the kind of training that makes our graduates real practical men.



This picture shows students getting instruction on service switches and meters, another important part of wiring houses and buildings for light and power. It is practical training of this kind that helps give the student confidence in his ability to do a job when as a graduate he applies his training out in the Electrical field.



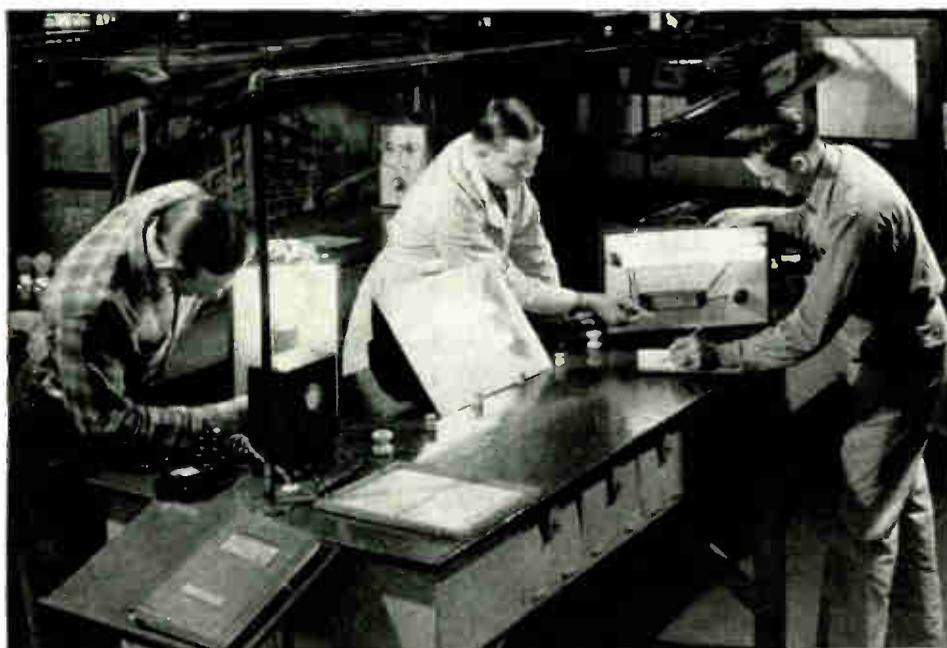
Special instruction on fluorescent lighting units, and the wiring operation and care of these interesting units is covered in this department. Thousands of these lights are in use now, and thousands more are installed yearly in the big industrial plants.



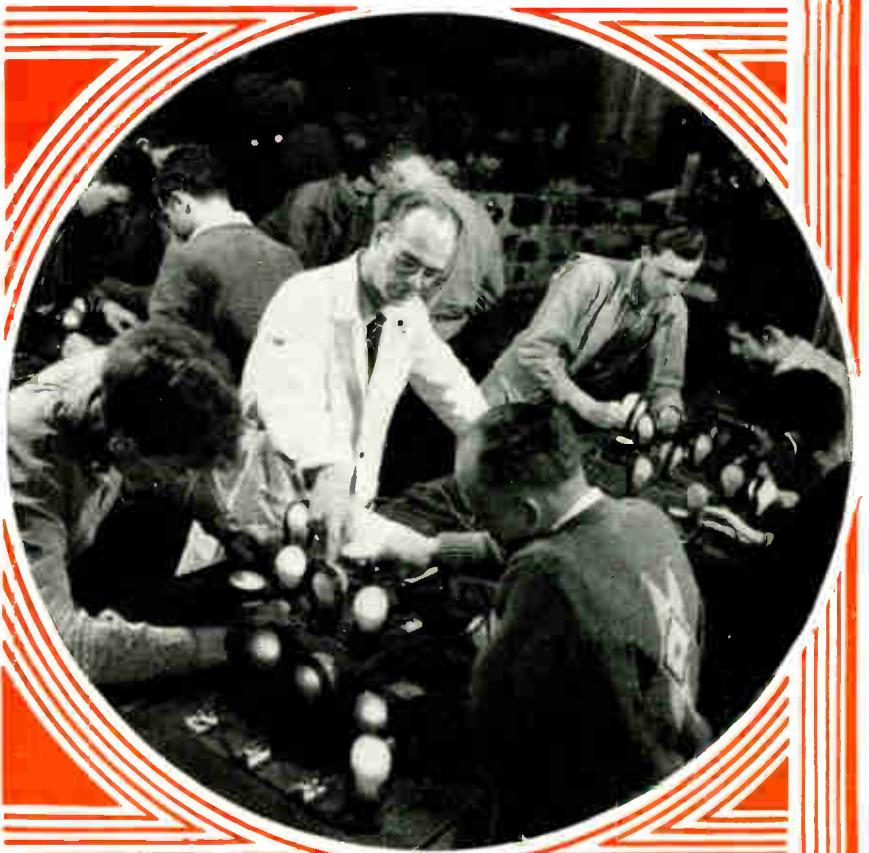
This picture shows students getting practical training in the connecting up, testing and operation of a model Electric Flasher Sign. This sign is operated by a motor driven Flasher Control which operates the "on" and "off" flasher mechanism and animates the sign.



Here you see students testing neon signs, fluorescent and mercury vapor lights, such as used in many plants and factories, and lighting control units. Such practical instruction gives you a good understanding of how to use and apply modern lighting equipment.



Instructor explaining principles and operation of new type fluorescent lighting units to students, as they perform shop tests on these units. This type of lighting equipment is becoming more popular every day for factories and industrial plants. It is frequently used to provide day-light working conditions to night workers.



The picture above shows a section of our Wiring Department where a group of students are making voltage drop tests on lamps connected in series and parallel circuits. Notice the personal help they are getting from the instructor who is checking their jobs. Here in the shops of Coyne you'll always find instructors ready and willing to give you personal help when you need it.

# On These Four Pages You See Students At Work in the **D. C. POWER and ARMATURE WINDING DEPARTMENT**

**I**N THE DIRECT CURRENT MOTOR, POWER AND ARMATURE WINDING DEPARTMENT, you get into the most fascinating work of your course so far. You are now ready to apply many of the things you have been taught in the first department to the actual operation, care, testing and repair of real DIRECT CURRENT POWER EQUIPMENT.

Your work on Direct Current equipment includes motors and generators of many types from the simple, hand operated one to the automatic controls and starters as you will see in the pictures on this page and pages 10, 11, and 12.

First your instructor explains the operation of D.C. Motors, using the actual parts of a machine and interesting blackboard sketches. He explains how to connect up, operate and repair different types of motors. Then you go into the department and connect up, run and repair actual D.C. equipment yourself.

**THE TRAINING IN THIS DEPARTMENT COVERS SUCH SUBJECTS AS:**

The principles, characteristics, applications and speed control of shunt, series and compound D.C. Motors. The connecting up, testing and maintenance of various D.C. Motors, manual and automatic starters, control equipment and dynamic braking.

The principles, characteristics, applications and voltage control of shunt, series and compound wound generators are covered, as well as instruction on efficiency and horse power tests, and connecting up, testing, paralleling and load adjusting of generators. In the shop jobs, the student wires up, tests, operates and maintains motors and motor generator sets, manual and automatic type starters.

You get instruction on the principles of D.C. Meters and their use in making voltage drop and current measurements on armature and field coils, and the use of meter and high voltage power supply for testing insulation resistance. The use of growlers in locating faults in armatures. The care and repair of commutators including the undercutting and turning down on a lathe.

## You Work on Direct Current Power Equipment

**I**N your practical shop jobs, you wire up, test, and operate different kinds of generators and motor generator sets, D.C. Motor Starters and speed controls. You learn the care of coils, contactors, overload devices, etc. You work on Direct Current power plant Switchboards and are taught their circuits and operation. You learn how the meters and switches are attached, also switchboard circuits and arrangement of Bus-Bars and control wiring.

You get instruction in common Power Plant operating rules. Then you learn about meters, and recording instruments. Then you operate the switchboard and generators and control the power for this Department.

## Armature Winding

**Y**OU learn how to wind Motor Armatures, as you will see in the pictures on page 12. After the instructor has explained the principles and the purpose of the coils, he shows you how to make your first wire wound coils yourself. Then you go ahead and complete the winding with your own hands, but always with his ready help and advice any time you need it.

When you have the coils in, the instructor shows you how to test each one to prove there are no faults in them. Then you solder the connections, and test the whole winding. **THEN YOU PUT IT IN A MOTOR FRAME AND ACTUALLY RUN IT.**

This practical training in our Direct Current Department is designed to PREPARE STUDENTS FOR OPPORTUNITIES IN POWER HOUSE, MANUFACTURING PLANTS, MINES, INDUSTRIAL CONCERNS and ON RAILROADS and OTHER PLACES WHERE DIRECT CURRENT IS USED.

## There is no Substitute For Practical Shop Training

**C**OYNE has always believed that a fellow can learn a thing much quicker and better if he can actually SEE, HANDLE, AND

OPERATE THE EQUIPMENT HIMSELF.

We know that a fellow wants the training for one reason—to get a job—a job that has a future.

We know too, that a fellow wants to prepare for that job in the shortest possible time.

That is why we have developed a highly practical course of training and designed our training methods around the idea that a fellow who wants a training doesn't want a lot of frills, but wants a course of training that can fit him as quickly as possible for his place in the industry for which he trains.

Here at COYNE our purpose is to give you such a training and give it to you in such a way that you can grasp and remember.

They say a picture is worth a thousand words. If this is true, then doing the actual job is worth even more.

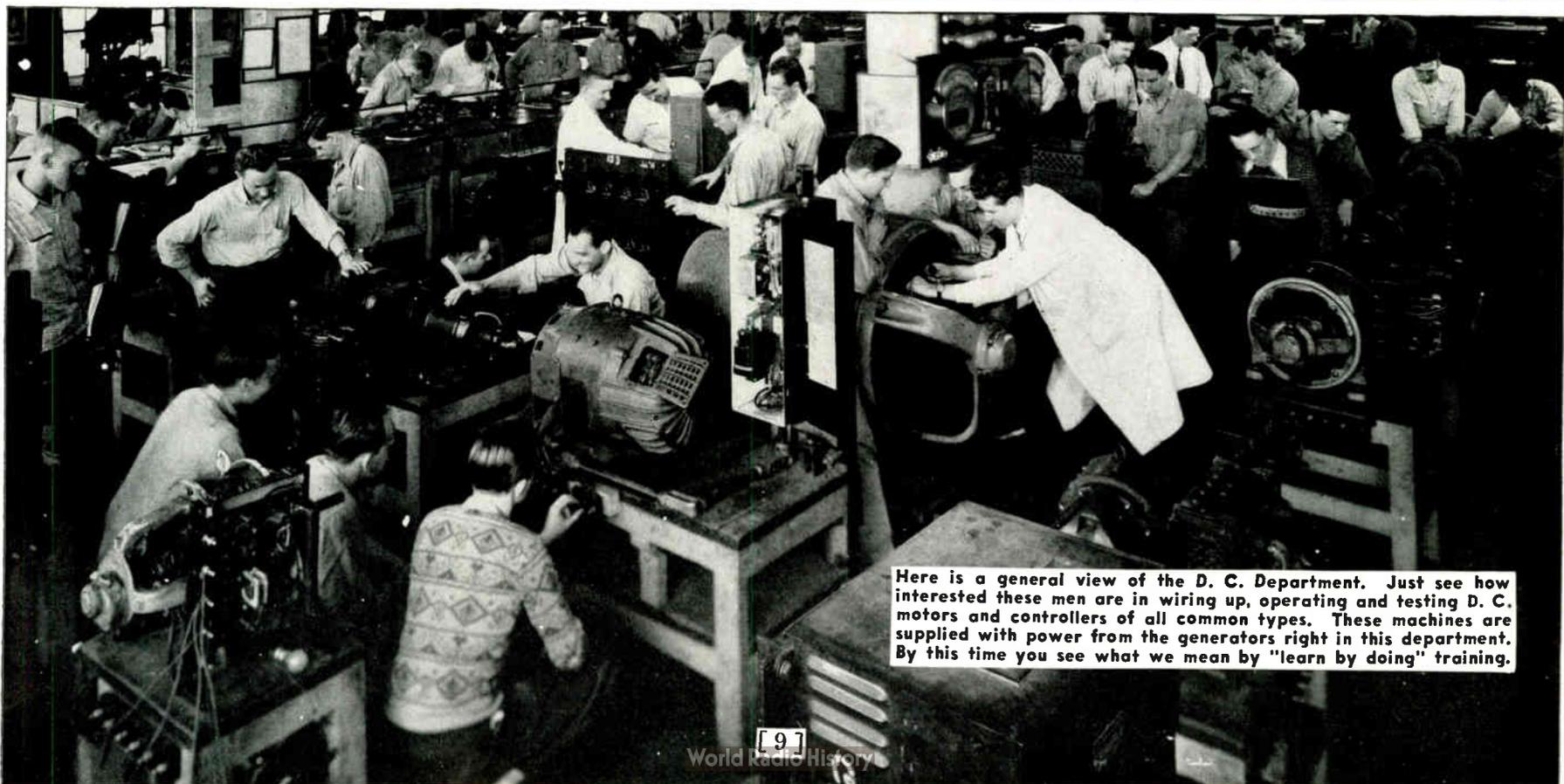
That is why we combine necessary theory given by practical lectures, film slides, blackboard diagrams, and equipment demonstrations with "LEARN-BY-DOING" training.

I am sure you must admit this method of training—BY EYE, EAR, AND HAND—IS THE MODERN AND MOST EFFICIENT WAY TO GET YOUR TRAINING.

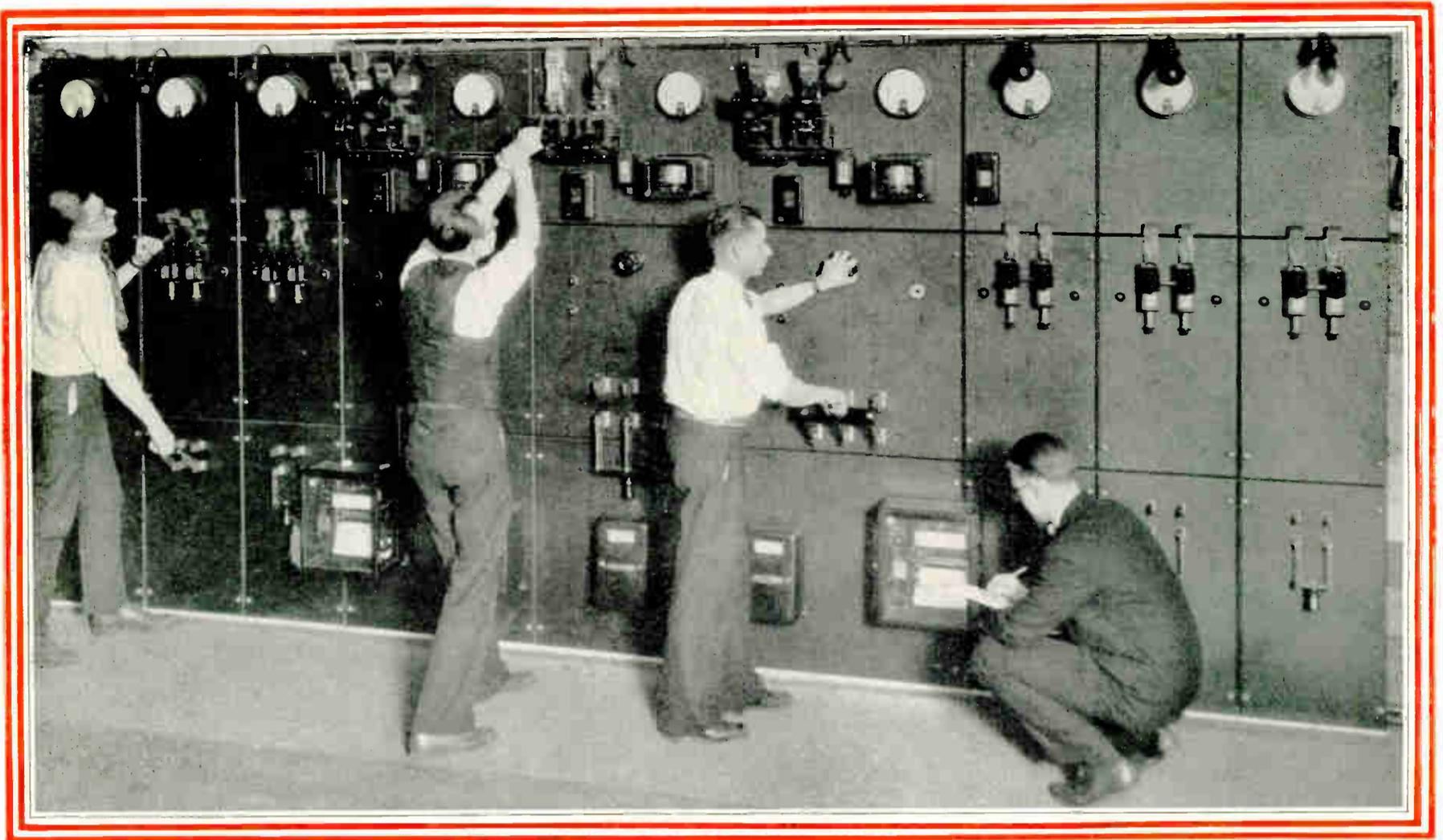
The pictures on this page and on pages 10, 11 and 12 illustrate the practical training methods employed not only in our D.C. Department, but throughout the entire course. Be sure to read the explanations below or at the side of each picture. In that way you get a "picture story" of this Department.

## You Are Now Ready For The Interesting AC Power and Stator Winding Department

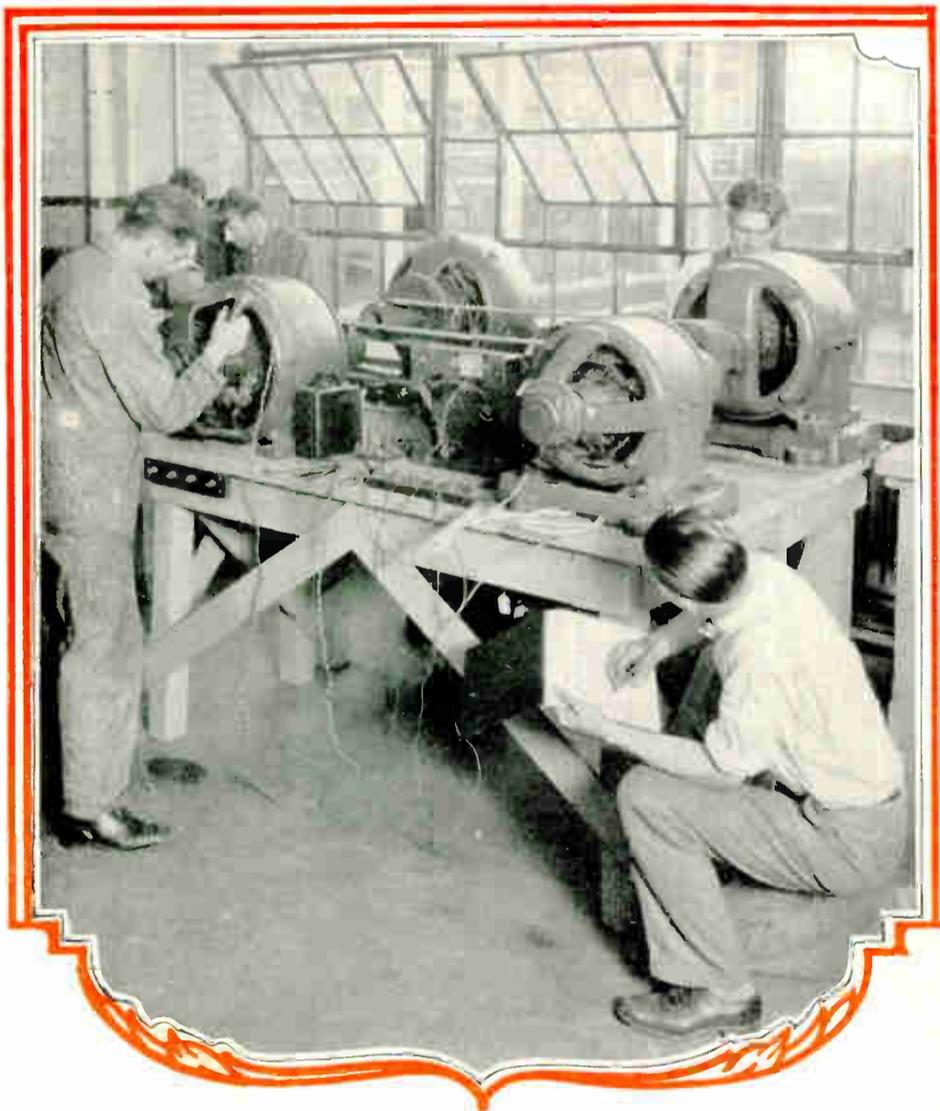
**A**FTER you have covered the training in our DIRECT CURRENT AND ARMATURE WINDING DEPARTMENT, you are ready to begin the study of the interesting field of ALTERNATING CURRENT MOTOR AND POWER WORK including STATOR WINDING which is described on page 13.



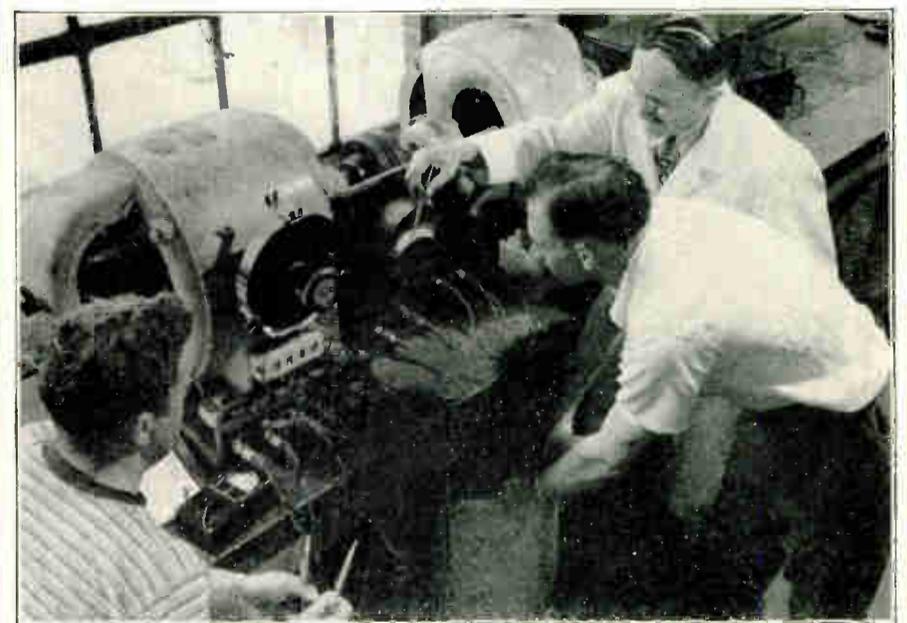
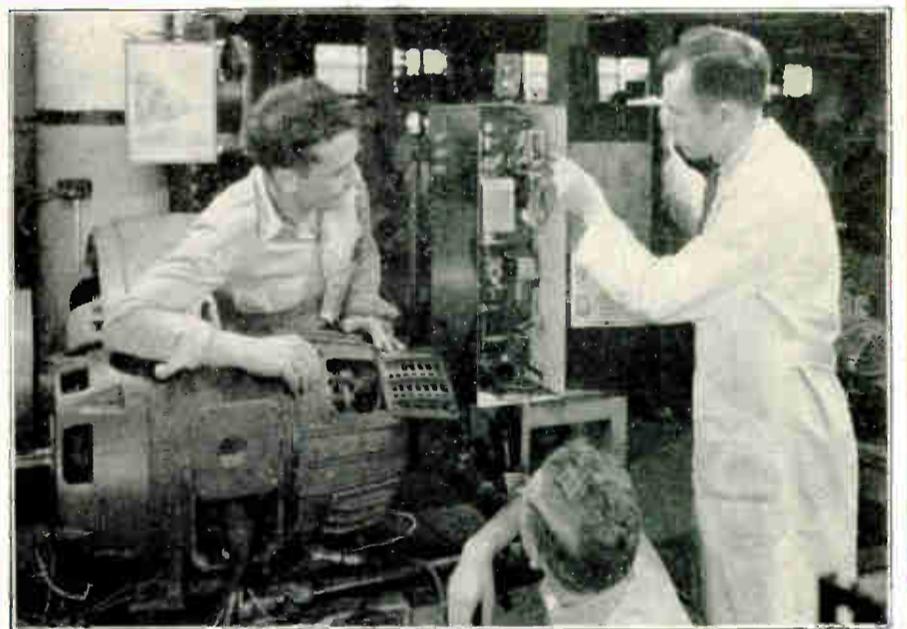
Here is a general view of the D. C. Department. Just see how interested these men are in wiring up, operating and testing D. C. motors and controllers of all common types. These machines are supplied with power from the generators right in this department. By this time you see what we mean by "learn by doing" training.



Here are students getting real operating experience on a large power D. C. Switchboard. They are taught to connect and operate generators in parallel, and to take care of circuit breakers, switches and instruments. This kind of training is valuable in power plant or substation operating work, and many of our graduates have good jobs doing this work.



These students are operating and testing motor generator sets and measuring the output of these units.



Upper view shows students connecting an automatic starter to a 15 H.P. D. C. motor. In the lower view students are checking the performance of a motor generator set under various loads.



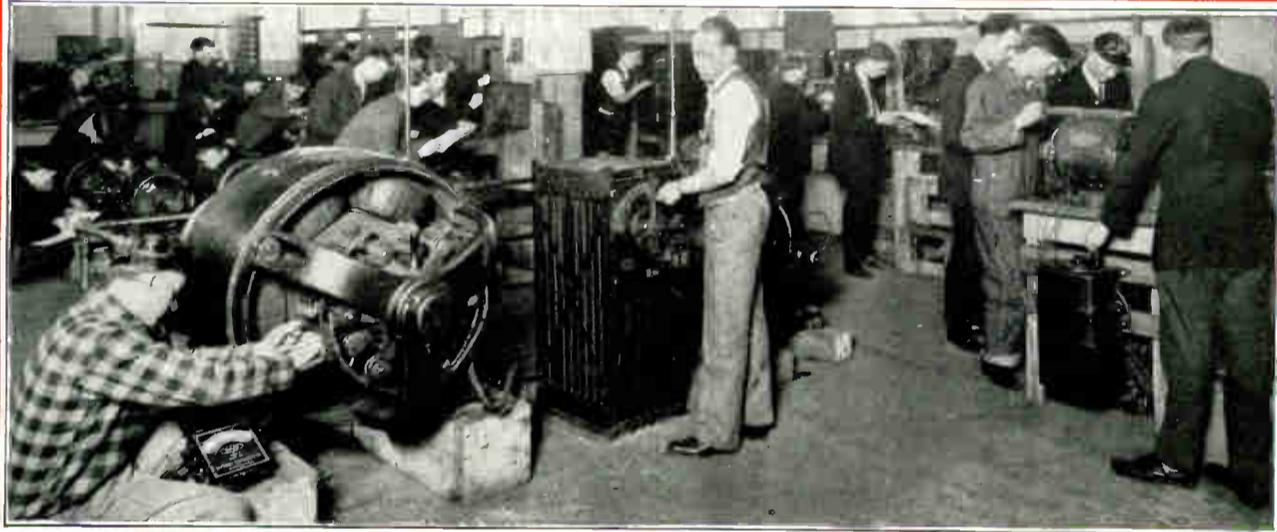
This is how our students test automatic remote control equipment, and are taught how to quickly locate trouble, so they can save time and money for their employer on the job.



These students are checking the operation of an automatic controller and compound motor. They are making the same test and repairs they may be called upon to make in the field.

### 49 Years of Training Experience

COYNE has a background of NEARLY HALF A CENTURY of training experience in training men and young men for better jobs. It was established in 1899 and has been in continuous operation ever since. We have kept pace with the tremendous growth of ELECTRICITY, constantly adding new equipment and new features to the training offered in our school, to meet the requirements of industry.



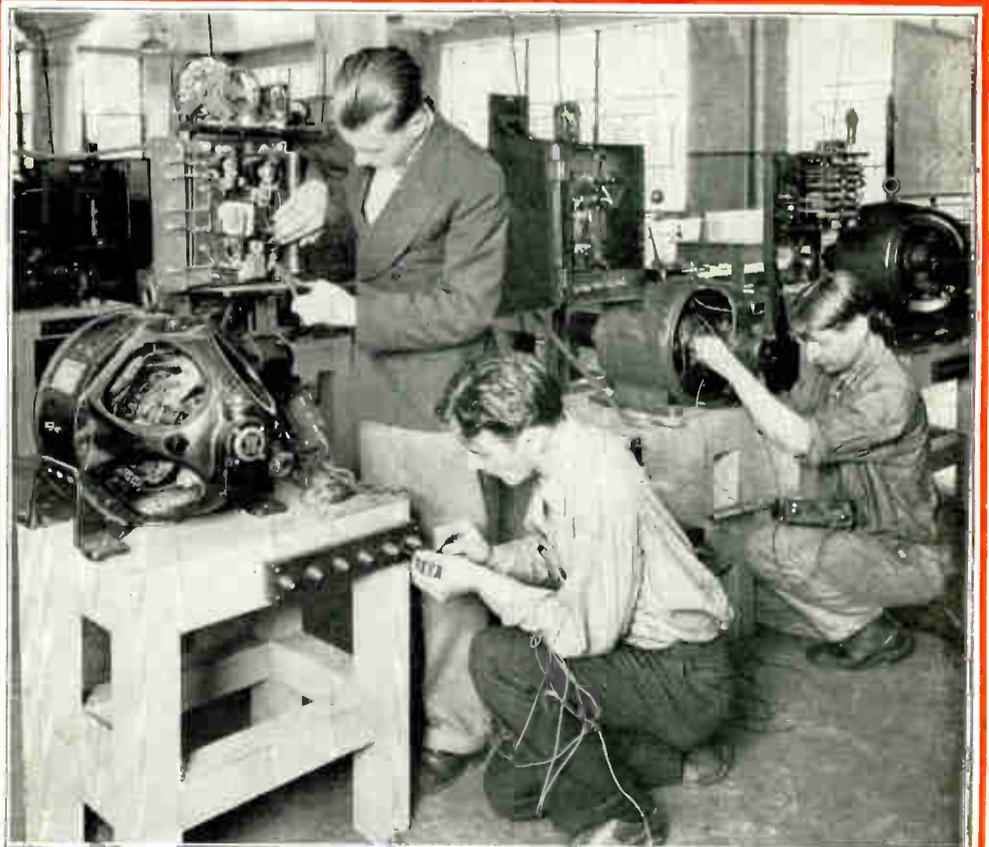
### Coyne Training Is Practical

COYNE DOES NOT TEACH BY MAIL — neither do we have you study printed lessons at home for a part of the Course and then have you come here for a short visit for just a smattering of practical work. You get all of your training right here in our Chicago Shops under the guidance of a staff of trained instructors. That's the COYNE method of training and the right method proven by nearly half a century of training experience.

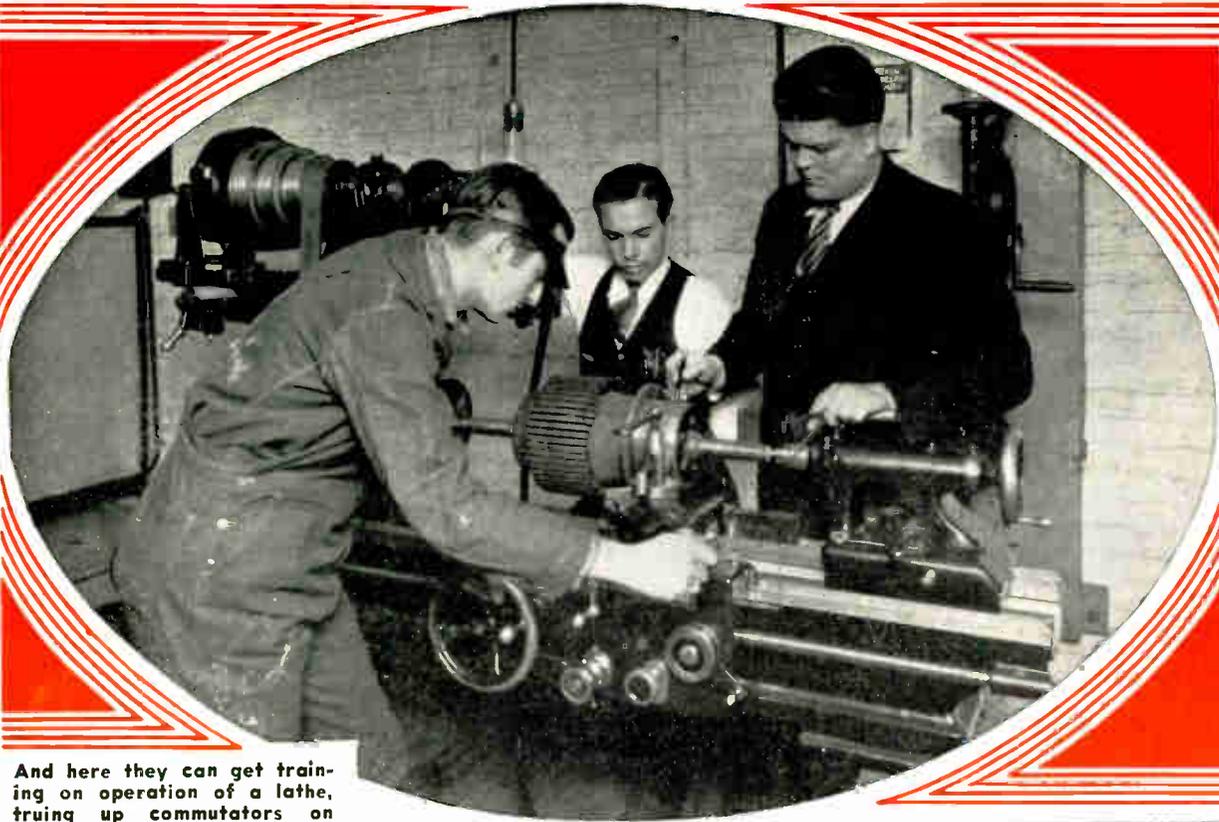
Here you see several students testing and operating D.C. machines. The large machine at the left is used to make practical demonstrations of dynamic braking on large motors. Here you see students doing work on advanced equipment, fellows who a short time ago may have known nothing about this work. But this is now easy for them, because they have reached this department step by step.



These Coyne students are testing a generator with a modern Dynamometer, a type used extensively in industry for testing A.C. and D.C. motors and generators.



These students are wiring up and operating automatic controllers, and testing their operation right with the motors.

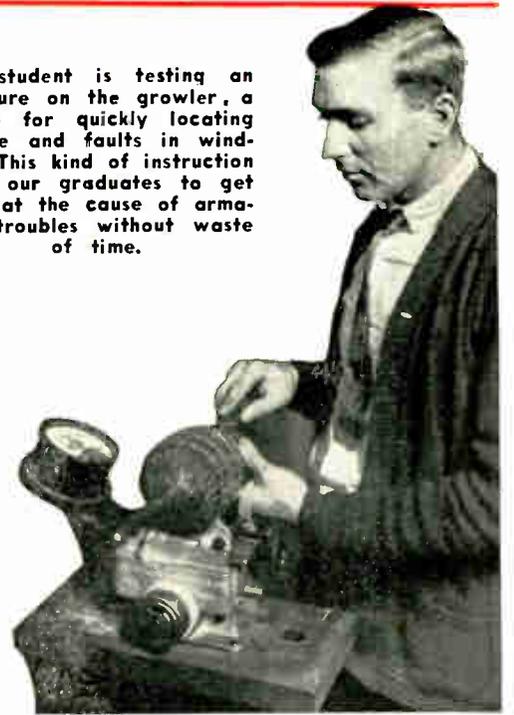


And here they can get training on operation of a lathe, truing up commutators on armatures. The instructor shows them how to grind and set the cutting tool, and how to make a nice smooth cut on the copper

### Got Two Promotions

"Since leaving school a few months ago, I have had two really nice promotions and a promise of a third starting next month. I'm now classified as a Class A Electrician. To me this is very good for having started out in a shop only five months ago."—L. H. F. BEHM, Ohio.

This student is testing an armature on the growler, a device for quickly locating trouble and faults in windings. This kind of instruction helps our graduates to get right at the cause of armature troubles without waste of time.



After the students have wound their Armatures they get a chance to check their jobs to see if the Armature will operate. The students in this picture are testing their completed Armatures for shorts, open circuits or grounds with the use of growlers.

### "Schooling Has Paid Off"

"Just received the Graduate News. I look forward to it as a tie with Coyne and its activities. Since graduating, I was employed at an Aircraft Co. and then three years in the Navy as an electrician. For the past two years I've been employed by . . . here in my home town. I started as assembler and am now in charge of Assembly and Testing of all burners we make . . . my schooling has paid off." — H. B. ROHRER, Penna.



This is a view of a part of the Armature Winding bench. Notice that these students are winding Armatures with actual wire. After they have wound their Armature, it is mounted in a motor housing and checked under actual operating conditions.



Above you see a group of students learning how to use a Commutator Undercutting Tool and the proper procedure in undercutting the mica of a Commutator. This kind of real practical training teaches them the proper use of equipment and proper methods to save time and do first class work.

# These 5 Pages Show You Views of Our **A.C.** **POWER** and **STATOR WINDING DEPT.**

**O**N THIS and the next four pages I give you a brief description of our training in ALTERNATING CURRENT POWER, MOTOR AND STATOR WINDING DEPARTMENT.

This is one of the most popular and profitable branches of the Electrical field. In this Department you learn to service, operate, and repair equipment that is used in practically all of the large power plants of the country and in the majority of the thousands of great electrically equipped factories and industries. You will have actual A.C. Power apparatus to work on and you will learn and remember what YOU LEARN MORE EASILY BECAUSE YOU HAVE DONE THE WORK WITH YOUR OWN HANDS, RIGHT ON THE EQUIPMENT.

## A. C. Power Motors and Power Equipment To Work On

**Y**OU start wiring and testing small motors and then gradually progress to the larger machines. You change the connections and reverse the motor; remove a wire here and there to see how it acts when a connection comes loose. You will test an induction motor for efficiency and power factor.

The training you get in this Department on Motors, controllers, generators, transformers, Power Plant Switchboards, outdoor type substations, transmission lines, lightning arresters, circuit breakers, ALL HELP TO MAKE THIS DEPARTMENT FASCINATING, ENJOYABLE AND EXTREMELY VALUABLE.

You learn how Alternating Current Generators operate, how to care for them, wire, test and repair them. You get real Power Plant Switchboard operating practice on a large power Switchboard, operate the generators and control the power for the equipment associated with the switchboard. THE EQUIPMENT YOU OPERATE COULD GENERATE ENOUGH POWER TO SUPPLY A SMALL TOWN.

You are given valuable training in modern maintenance methods. How to locate and correct faults before they become serious and perhaps cause an actual shutdown and loss of

time and money in some plant where you may later work.

## Many Subjects Covered

**T**HE training in the A.C. Department also includes such subjects as the REWINDING of SINGLE PHASE and SPLIT PHASE STATORS; Plotting the line curve, effective, maximum average values of A.C.; Single Phase and Polyphase currents; Inductive reactance, capacitive reactance, resistance and impedance of A.C. circuits; Power and power factor, and methods for measuring power in single phase and polyphase circuits. It covers the construction, characteristics, operation and maintenance of four types of Single Phase motors; also polyphase motors of induction type, as well as line starters and transformer starters for induction motors.

You learn about STAR-DELTA CONNECTIONS FOR 3-PHASE APPARATUS, voltage and current relationships for phase and line; revolving magnetic field of polyphase motor; 3-phase winding data and formulae; Star-Delta motor starter; slip ring induction and Synchronous motors and the construction, operation and paralleling A.C. Generators.

You also cover the CONSTRUCTION, OPERATION, CONNECTIONS FOR TRANSFORMERS; maintenance of electrical apparatus, trouble shooting methods; Testing stator windings for faults, reconnecting induction motors for different voltage; consequent pole windings for single and polyphase induction motors; transmission of electrical energy and methods of converting A.C. to D.C.

## Experienced Helpful Instructors Show You Just What to Do

**W**HEN you finish a job, your instructor asks questions about it to check up and help you to be sure you know the important points.

In fact, ONE OF THE OUTSTANDING FEATURES OF COYNE SHOP TRAINING IS THE INDIVIDUAL ASSISTANCE given to

each student by our instructors. You will find that STUDENTS AND INSTRUCTORS ARE REAL FRIENDS HERE AT COYNE and they work with each other, side by side, throughout the course of training. COYNE instructors are selected, not only for their superior knowledge and experience, but also, because in addition, they possess the qualities of patience, kindness and sympathetic consideration for all students.

It is this, plus the large outlay of practical Electrical training equipment, along with our many years of experience and our system of training, that has made COYNE so successful in our "Learn-By-Doing" method.

## A Popular Field of Many Opportunities

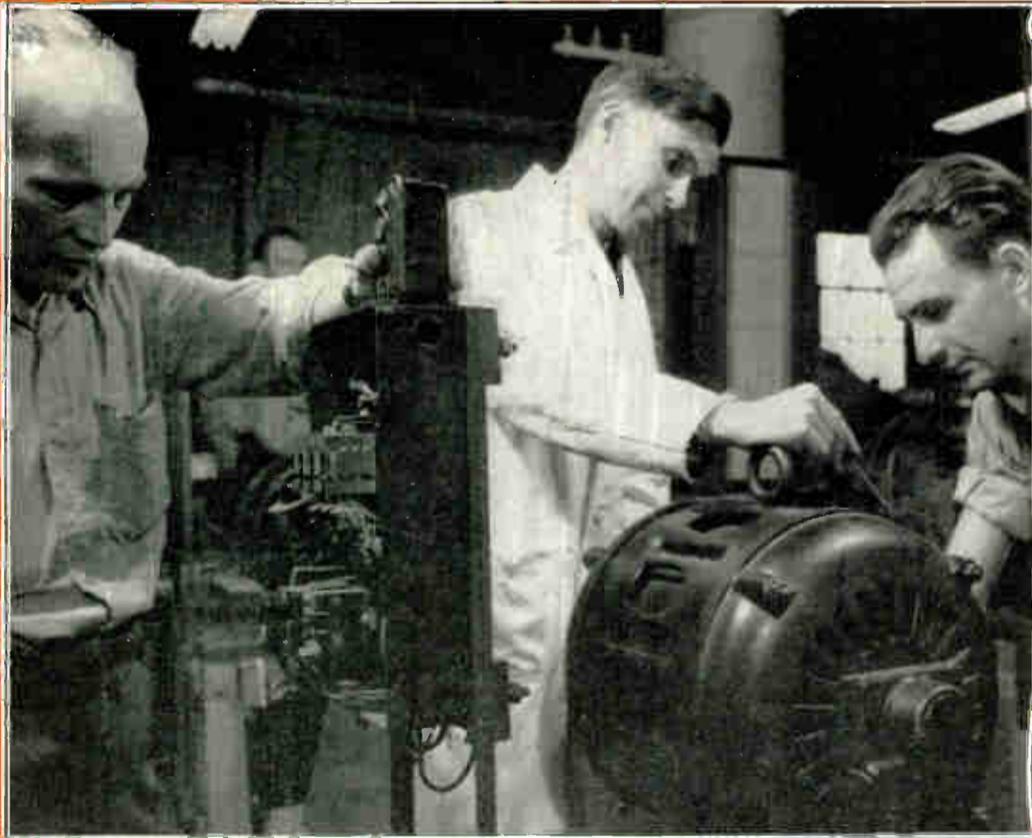
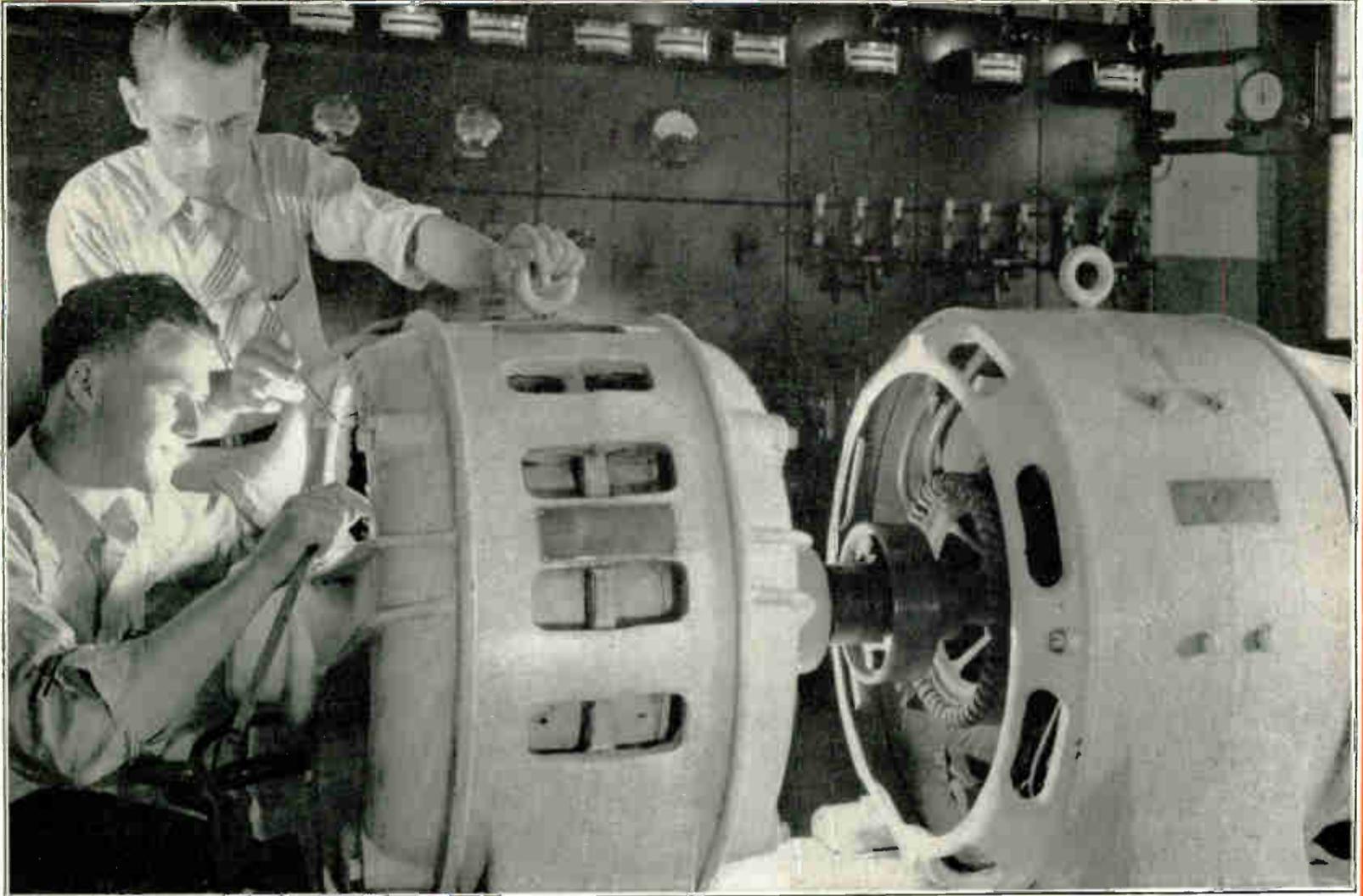
**A**S I said in the beginning of this article, the field of Alternating Current is one of the most popular and profitable branches of the Electrical field. Almost every large and modern Factory, Industrial plant, Railroad, Mine, Textile mill, Packing plant, etc., uses from dozens to hundreds of Electric motors and controls in the operation of their machinery.

Most of these plants employ several Electricians and other large plants employ from several dozen to several hundred maintenance men, motor inspectors, trouble shooters, and repair men. Electrical Utility Companies and Generating stations employ many thousands of Power Plant and sub-station Operators to operate and maintain their switch boards, generators, transformers, and auxiliary electrical equipment. YOUR ACTUAL SHOP TRAINING IN THE OPERATION AND CARE OF REAL POWER EQUIPMENT HERE AT COYNE IS DESIGNED TO PREPARE YOU FOR THIS INTERESTING LINE OF WORK.

After studying the A.C. Department pictures and descriptions of the pictures on the next 4 pages, you will then come to the description of our TESTING AND REPAIR DEPARTMENT which is pictured and described on pages 18, 19, and 20.

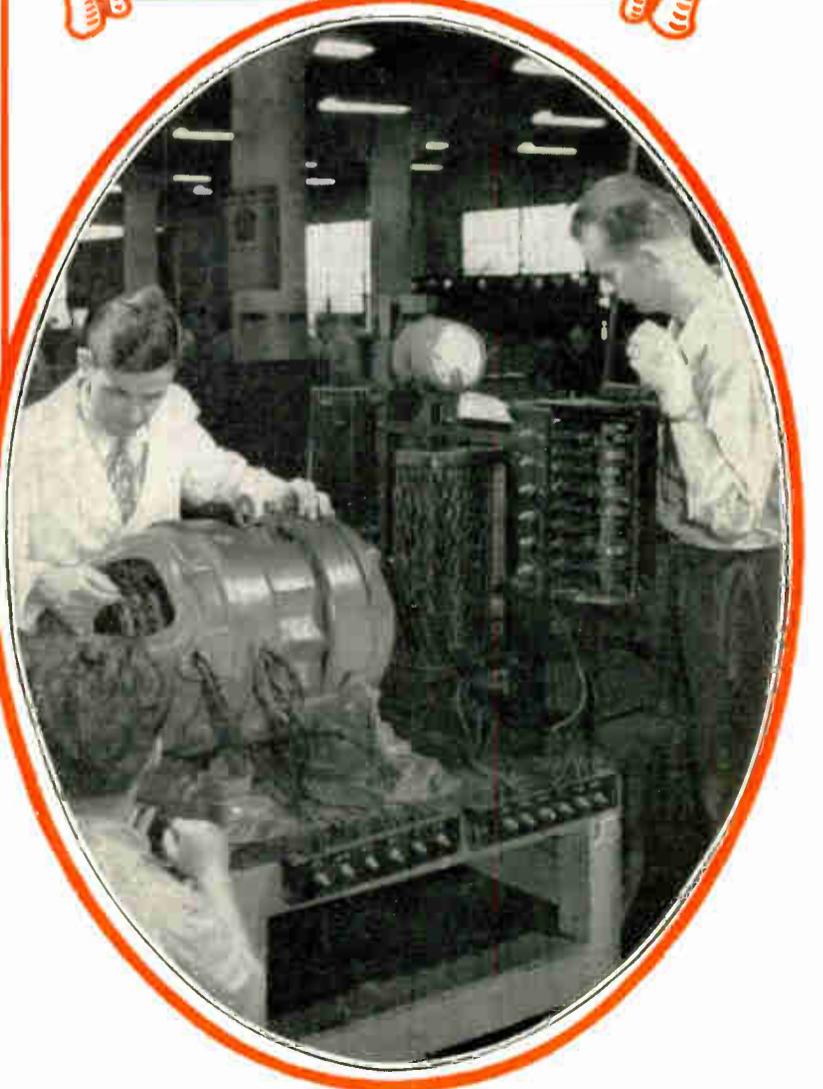


Here is a general view of one section of our alternating current department. And these students you see on these interesting jobs, are getting practical training on many types of A. C. motors, controllers, and power equipment.



The picture above shows students working with and getting instruction in the operation of a remote control A.C. Magnetic Starter and an A.C. Motor. The opportunity to work on a wide variety of types of equipment makes Coyne training more valuable to the student when he gets out on the job.

Instructor explaining operation and testing of a large motor generator in our Alternating Current Department. This type of personal instruction on real Alternating Current Power Equipment is the kind of instruction that makes a fellow more valuable when he is in the field working on an electrical job.



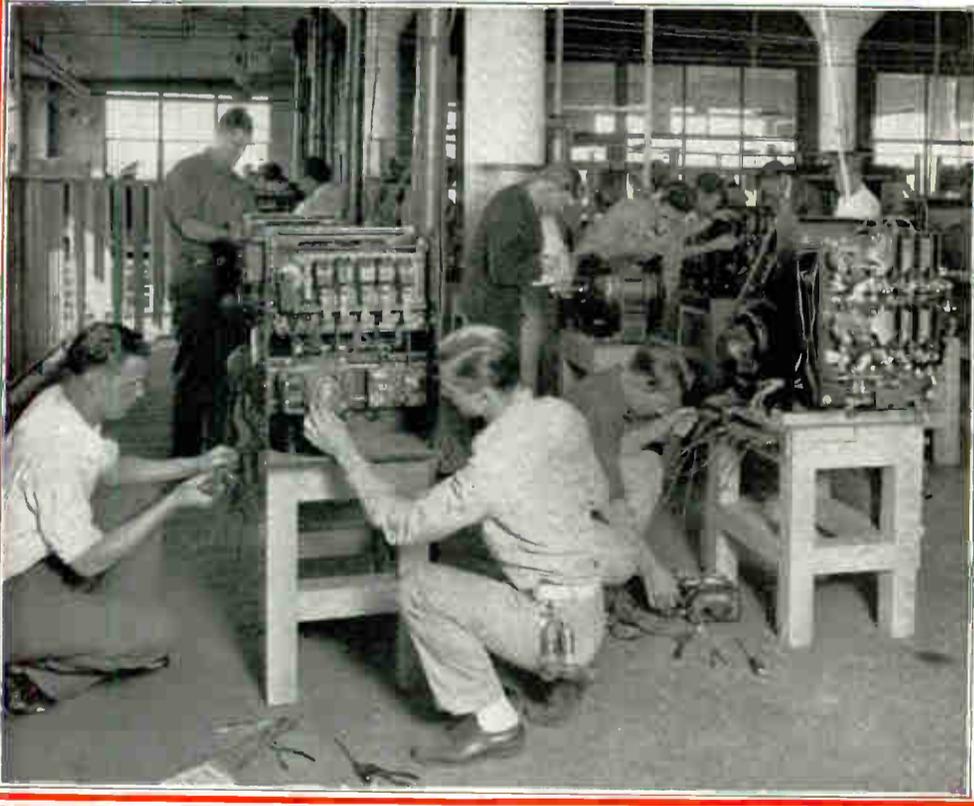
The picture on the right shows an instructor explaining the operation of an A.C. motor and control equipment with which these students are working. Actual experience on such interesting equipment is valuable on many jobs.



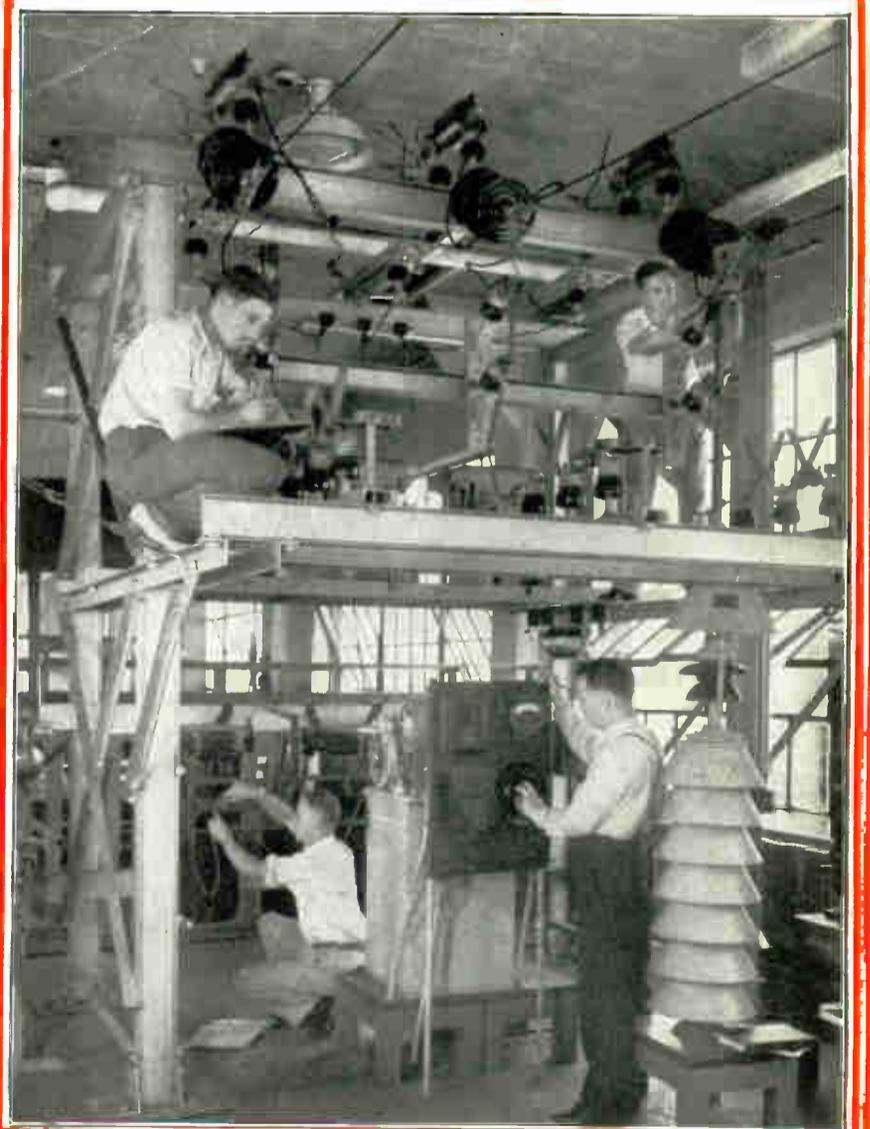


Another view of a section of our A. C. department showing students working on a wide variety of A. C. motors and control equipment. You learn how to inspect, connect up, test and repair many types of A. C. machines. Notice the modern fluorescent lighting units mounted on the ceiling. Our entire building is equipped with this modern type of lighting.

Here an instructor is explaining important principles of an induction motor, on a machine specially cut away, so the student can observe these points both while the motor is idle and when it is running. This is an example of how some of our specially prepared equipment will save your time, and make your training easier.



And here we have different types of modern automatic, remote control equipment for A. C. motors. These men are getting acquainted with these controls and their care and operation, by wiring them up and testing them out with the motors.



This is an outdoor type substation structure, and these students are connecting the transformers, checking the lightning arresters and voltage regulator, and becoming acquainted with this type of equipment.



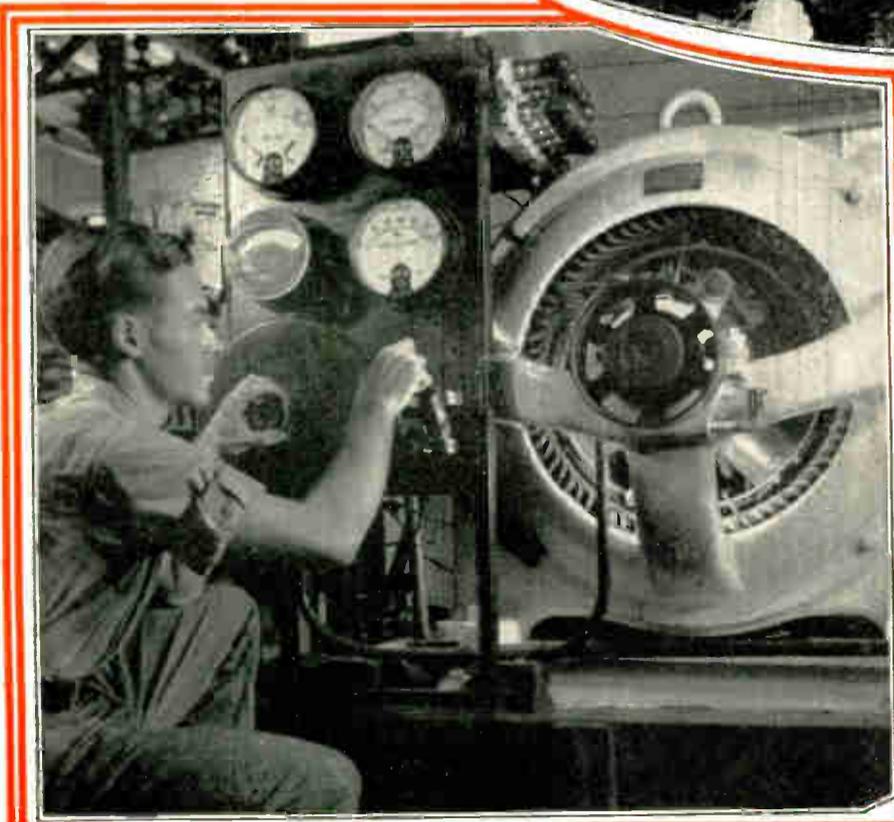
Real practical work overhauling and repairing an A. C. induction motor. When you understand the working parts of such equipment you have confidence in your knowledge of this work.



And these students are getting actual operating practice on a large A. C. Switchboard. Here they are taught the operation and care of meters, circuit breakers and switches, and how to synchronize and operate alternators in parallel and equalize their load.



Students learning care and adjustment of automatic and remote controlled A. C. motor starters, relays, contactors, coils and other equipment in the Coyne Alternating Current Department.



A student preparing to test a large synchronous motor which is used for correcting power factor and saving money on power bills. Every trained electrical maintenance man should be familiar with this type of work.



These students are connecting up a bank of power transformers for 3 phase operation, in the outdoor type substation in this department.



Here you see a view of the Stator Winding section. Notice that real wire is used in winding these stators. Actual winding and testing of Alternating Current motors gives you the practical training you need in this work. Motor repair work of this kind is often necessary in Electrical maintenance jobs in Power Plants, factories, stores, office buildings and, in fact, wherever Alternating Current motors are used.



These students are getting practical instruction in the use of lamps and meters employed to synchronize A. C. generators in our Alternating Current Power Department.



These students are testing the horsepower, efficiency, and power factor of induction motors. This is very important training for the practical maintenance man.

# You Now Enter the Interesting and Important TESTING AND REPAIR DEPARTMENT

**N**OW that you have been through the previous departments covering Wiring, Armature Winding, Direct and Alternating Current equipment, etc., you will enter the Testing and Repair Department.

Now, please keep in mind that you have already had much of this kind of work in these previous Departments, but after all the training you received in them was the FOUNDATION of these particular subjects and you were trained on HOW THEY FUNCTION, WHY THEY FUNCTION and A THOROUGH GROUND WORK OF HOW EACH SUBJECT DOVE-TAILS INTO THE OTHERS.

However, in the Testing and Repair Department you will be able to apply your knowledge and develop your skill still further by getting instruction and additional actual practice to enable you to test, connect, adjust and repair various types of motors, controls and other electrical apparatus, devices and appliances that are used in the industrial, commercial, automotive and domestic field.

## Similar to Work in the Field

**H**ERE you will be able to apply your knowledge and develop your skill under conditions that will be virtually the same as those you will find in the Testing and Repair Department of a modern Electrical Service Organization out in the field. This training will not only further your knowledge and understanding of industrial, commercial and domestic electrical devices and equipment and prepare you for well paying jobs in the Electrical Appliance Field, but the Testing and Repair methods and procedures that you learn in this Department can be applied to practically any type of Electrical work. So, regardless of what particular line of electricity you may take up, or specialize in, your training in the Testing and Repair department will be of great value to you for it will increase your opportunities for success and advancement.

The training in this Department includes the application, testing, overhaul, repair and maintenance of many different types of Electrical equipment including shaded pole motors, single and double voltage type, single phase and split phase motors, capacitor start motors, fractional H. P. motor controls, etc.

You get instruction and practical work in testing of armatures, collecting and recording winding data, rewinding methods and adapting various types of motors and other equipment to changed operating conditions. You get the necessary theory by lectures, blackboard work, equipment demonstrations, etc.

## Motor Bearings

**O**NE of the most common troubles found in servicing motors is worn bearings. Therefore, we include in this department instruction and practice in methods of determining allowable wear and procedure for replacing and fitting, reaming and aligning bearings. The Service Man in the field will find this training a mighty valuable feature of this department.

## Appliance Repair and Service

**Y**OUR training includes testing and checking of the many types of motors used in Commercial and Domestic appliances, such as Refrigerator Motors, Blower Motors, Oil Burner Motors, Fan Motors, Washing Machine Motors, Power Tool Motors, Vacuum Cleaner Motors and Testing and Repair of Electrical appliances such as Electric Stoves, Toasters, Vacuum Cleaners, Fans, Blowers, Oil Burners, Irons, Electrical Percolators, etc. This is a profitable field in itself for the all-around trained Electrical man, whether he is working for a Service organization or operating a business of his own.

## Furnace Controls

**I**NCLUDED in the training and work in this department is instruction on installation and maintenance of Furnace Controls including both Hot air, Hot water and Steam types.

THIS FIELD OFFERS ADDITIONAL OPPORTUNITIES TO OUR GRADUATES to work for modern service organizations or to operate a business of their own.

## A Business of Your Own

**T**HIS type of work offers all-around trained Electrical men excellent opportunities to go into business for themselves in a prosperous

Electrical Sales and Service Shop with only a small outlay of capital. Many Coyne Graduates have done this and many of them have found that the all-around training they have gotten at Coyne has prepared them to handle the many different types of testing and repair jobs they have been called upon to do.

## Testing and Repair Dove-Tails Into All Branches of Electricity

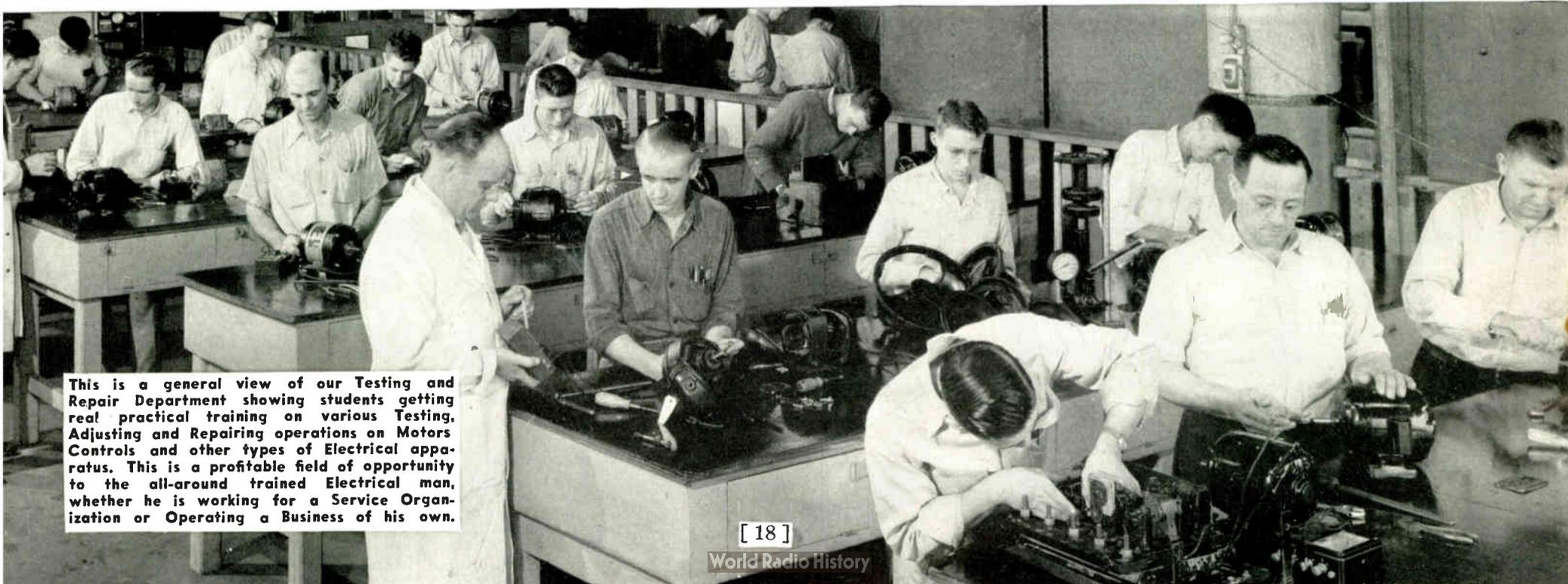
**R**EGARDLESS of the particular branch of Electricity you go into—whether you work for some one else or go into business for yourself, you will find the training you get in the Testing and Repair department of great value.

And right here I want to again bring out this very important point—while there are many branches in the Electrical Field, to qualify for the better jobs and advancement, it is necessary to have an all-around training in the various branches because each branch dovetails into the other branches.

The Servicing, Trouble Shooting, Repair and Maintenance of Electrical Equipment and Apparatus is one of the largest and most important branches of the Electrical Field. The continuous operation of all Electrical Equipment and Apparatus depends upon it. THAT'S WHY THE ELECTRICAL SERVICE AND REPAIR FIELD OFFERS ALMOST UNLIMITED OPPORTUNITIES TO THE ALL-AROUND TRAINED MAN FOR A GOOD JOB OR A BUSINESS OF HIS OWN.

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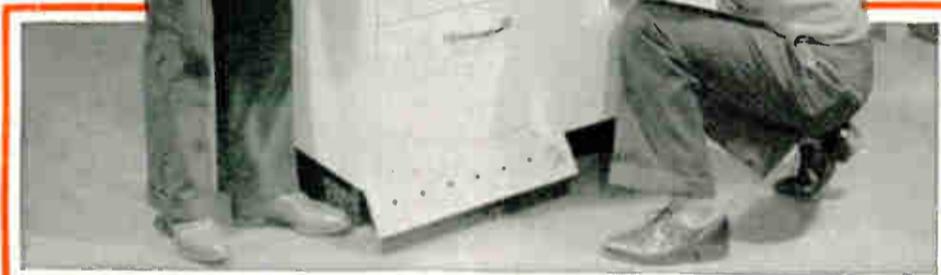
BELOW AND ON THE NEXT TWO PAGES YOU WILL SEE SOME SHOP VIEWS OF THE TESTING AND REPAIR DEPARTMENT SHOWING COYNE STUDENTS GETTING "REAL EXPERIENCE" BY DOING PRACTICAL TESTING, TROUBLE SHOOTING AND REPAIR WORK ON ACTUAL ELECTRICAL APPARATUS AND EQUIPMENT. Then on pages 21, 22 and 23 you will find our Industrial Electronics Department pictured and described.



This is a general view of our Testing and Repair Department showing students getting real practical training on various Testing, Adjusting and Repairing operations on Motors Controls and other types of Electrical apparatus. This is a profitable field of opportunity to the all-around trained Electrical man, whether he is working for a Service Organization or Operating a Business of his own.



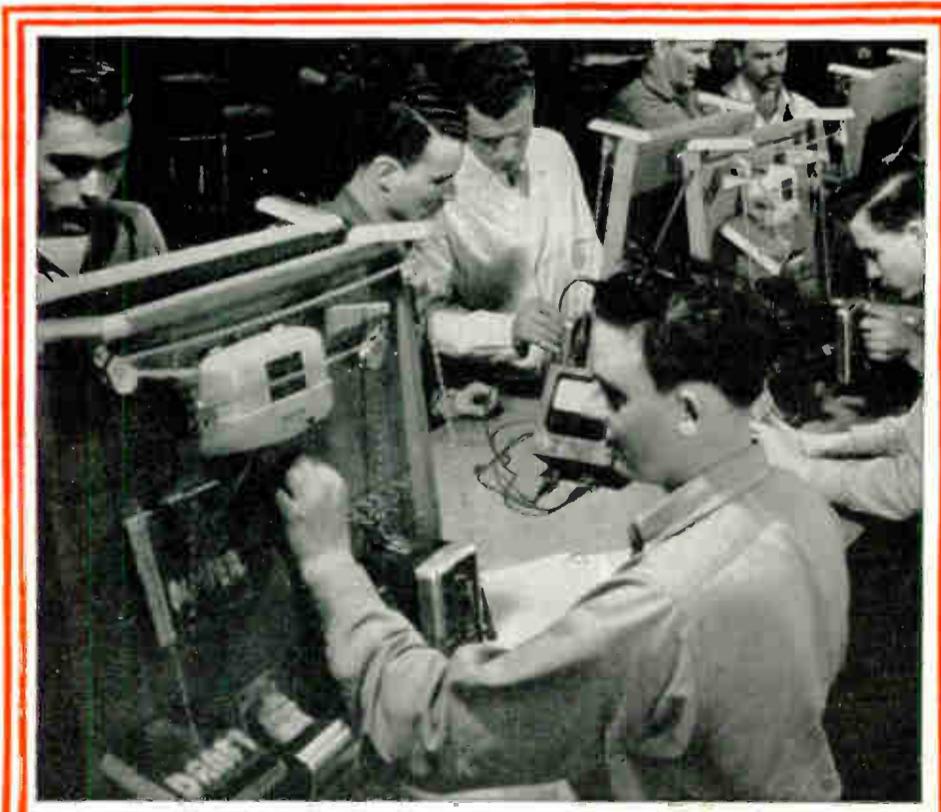
This section of our testing and repair department shows some of the benches where you will overhaul, repair and test many types of generators, starters ignition coils, magnetos, condensers, etc. You are trained to quickly find and fix their common troubles, and how to use the tools and test meters and devices to simplify this work.



Here is an electric range, with automatic temperature control equipment. These students are learning how it is constructed, and wired, and where to look for any troubles that might develop in such equipment.



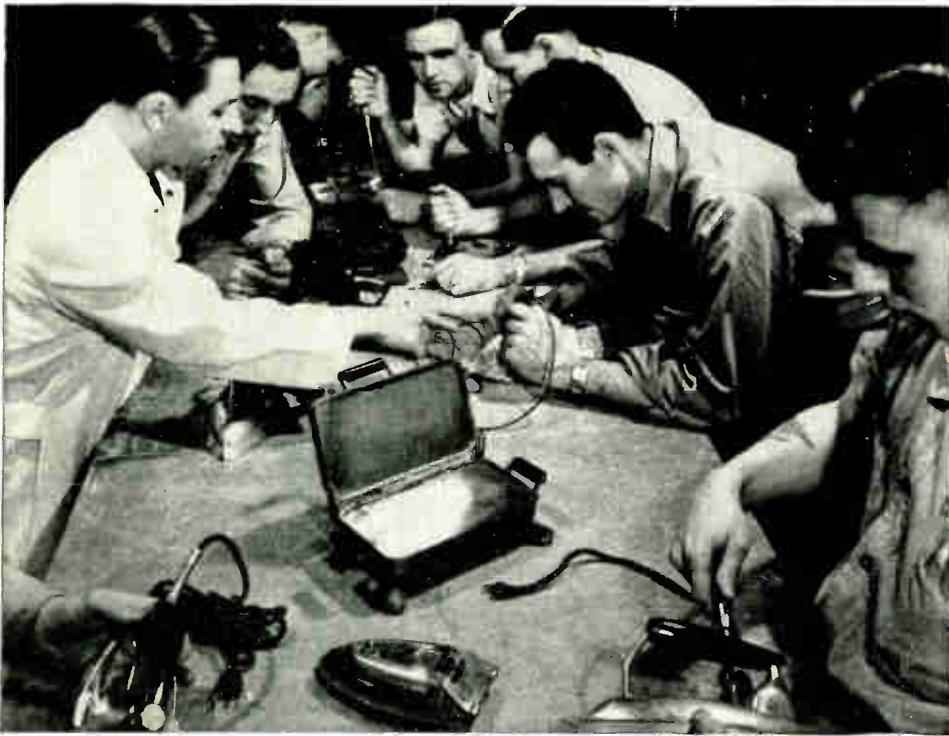
These students are getting practical training and experience on repairing Electrical Appliances. This in itself is a profitable and popular field of Electrical work, and many of our graduates start a Business or Service Shop of their own in this branch of Electricity.



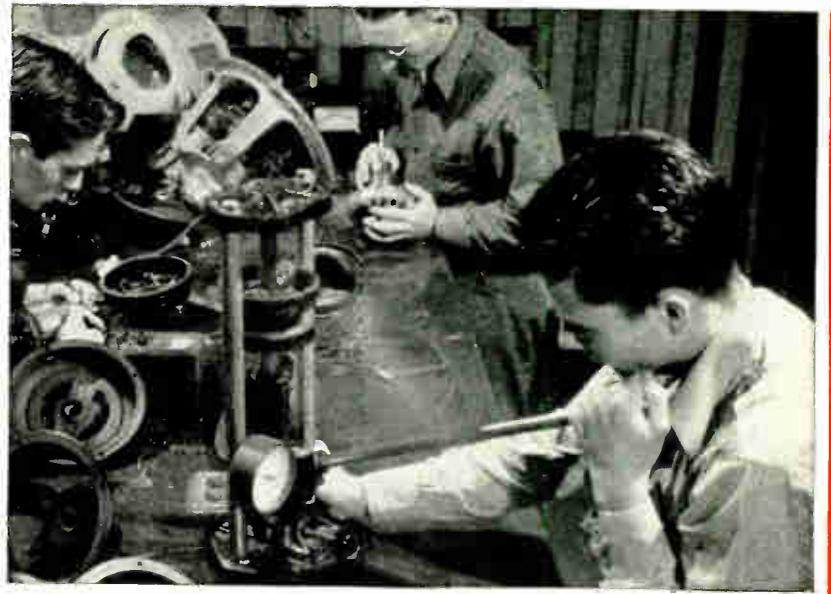
The picture above shows a group of Coyne students working with various types of Furnace controls, including Hot Air, Hot Water and Steam type controls.



These students are making a Lock-torque test on A. C. Motors to determine the effect on the starting torque when various size capacitors are used.



The picture above shows another part of our Appliance Repair section. The training that Coyne students get in this work is extremely important to those who take a job with a service organization or start a business of their own.



One of the most common troubles found in Servicing Motors is worn bearings. The student in the foreground is replacing a worn bearing by means of a Hydraulic Press. The students in the background are making Fractional H. P. Motor Tests.



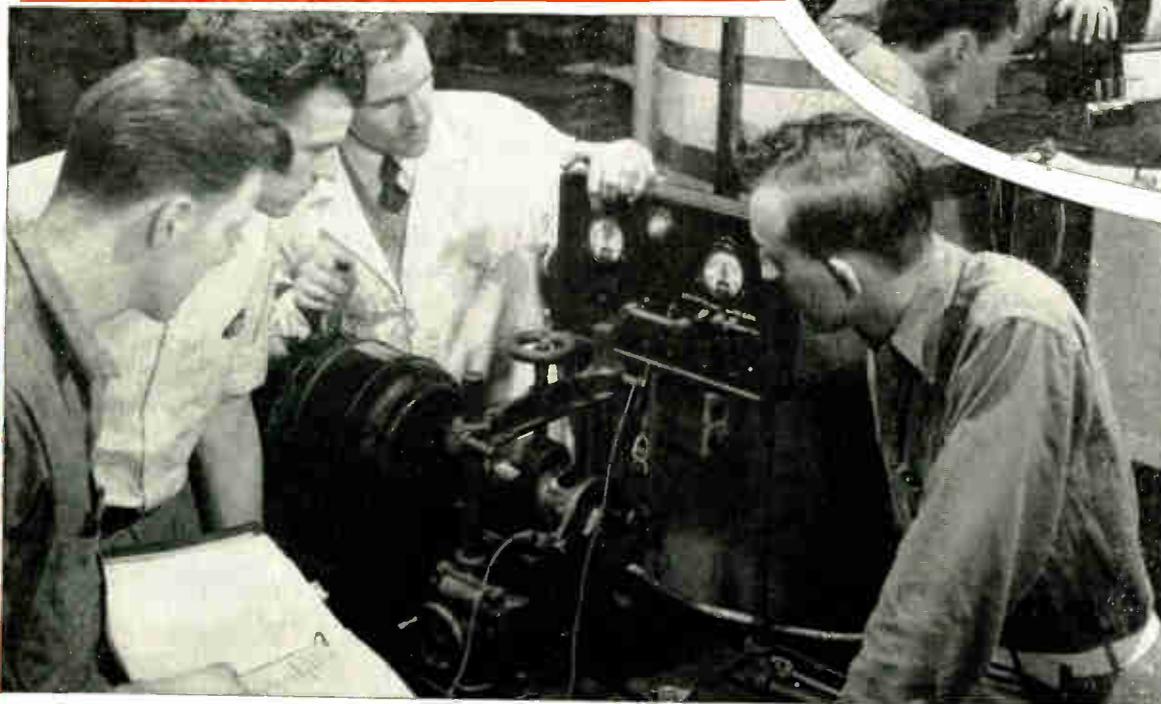
These Coyne students are identifying and testing the leads on a bank of 9 lead motors. Our practical work such as this is designed to prepare the student to go out into the Electrical field and apply his training in a good job with a Service organization or in a business of his own.



Here you see students getting training and practice in proper procedure in eliminating bearing trouble. The student with the Instructor is using a Line Reamer to align bearings on a Fractional Horsepower Motor. The service man in the field will find this training a mighty valuable feature of this Department.



The photo above shows Coyne students pulling old bearings from the end-bells and shows other students reaming new bearings to the correct size.



These students are using a modern type test unit for checking the output of a generator. This equipment shows you the actual results and voltage of the generator at different speeds, so you know whether your work is done right. Work on such equipment qualifies our graduates for jobs where services of trained practical men are required.

# Then You Move on to the Vital Field of INDUSTRIAL ELECTRONICS

**YOU ARE** now ready to enter one of the **MOST FASCINATING DEPARTMENTS** of the entire course—the tremendous new development that has grown up almost overnight around the Electronic Tube—**INDUSTRIAL ELECTRONICS**.

**ELECTRONICS** has been rightly called "THE MARVEL OF OUR AGE." It can **HEAR, FEEL, TASTE, REMEMBER, MEASURE, COUNT AND TALK**. It can't think, of course, but in most of its applications it is more keen and more accurate than the human senses.

In sight, for example, we can't see beyond the horizon, we can't see through fog, through clouds or in the dark. But, the Electronic Tube can—in fact, it can "see" through wood walls, brick, steel and stone, and detect flaws, for example, that nobody could see with the naked eye.

## Amazing New Developments Perform "Magic" For Industry

**THE** many new amazing developments in the field of **INDUSTRIAL ELECTRONICS** are changing production methods in almost every industry.

In factories, cotton mills, printing plants, steel mills, railroads, knitting mills, fruit packing houses and many other various industries, **THE MAGIC ELECTRONIC TUBE** is assisting industry to increase production.

**ELECTRONIC DEVICES**, for example, analyze and detect colors; **ELECTRONIC** devices control high-speed wrapping of packages, fill bottles to the proper level, inspect candy, check packaged goods, grade fruits according to size, check golf balls, fill tooth paste tubes, check tires for flaws, sterilize foods, inspect razor blades and perform dozens of other industrial operations.

**ELECTRONIC CONTROLS** open and close circuits, open doors, stop or start machinery, reverse rolls in steel mills, control heat, air, smoke, dust and temperature. **ELECTRONIC TUBES** turn on highway lights when darkness

appears and turns them off when daylight returns. Other types of **ELECTRONIC TUBES** inspect metals, classify cotton, wool, silk and other natural and synthetic fibers.

## This Training Prepares You For Many Added Opportunities

**THE** DEVELOPMENT OF **ELECTRONICS** HAS NATURALLY CREATED THOUSANDS OF NEW OPPORTUNITIES IN THE ALREADY GREAT OPPORTUNITY FIELD OF **ELECTRICITY**, as trained Electrical men with a knowledge of Industrial Electronics will be needed for installation, service and maintenance of this equipment.

Here in the **INDUSTRIAL ELECTRONICS** Department you get an explanation of the application of vacuum and gaseous type tubes that do the testing, sorting, comparing, counting, processing, rectifying, alarm protecting and control problems encountered in industry.

You learn about electronic tubes and their functions. Basic operating principles of electronic tubes of the various types. Discussion of the varied constructional features that adapt tubes to different applications; the use of high vacuum and gaseous type industrial tubes to determine their characteristics and their suitability for certain control applications.

You get instruction on vacuum tubes, gas filled tubes, thyratron tubes and ignitron tubes.

You learn about timing circuits and time delay by electronic means. Types of time delay devices and electronic trigger circuits; the function of the resistor and capacitor combination in effecting time delay. Time and Phase shifting circuits and their applications to timing and control. Testing and adjusting of time delay units.

## Photo Cell Controls

**THEN** you are given instructions on the photocells and photocell controls, the construction and operating principles of vacuum

and gaseous type photocells, the study of the characteristics and application of different types of photocells; the application and construction of photocell controls to alarm systems, electronic counting devices, door openers, labeling machines, sorters, smoke detectors and various control and processing operations and the testing and repairing of Electronic equipment.

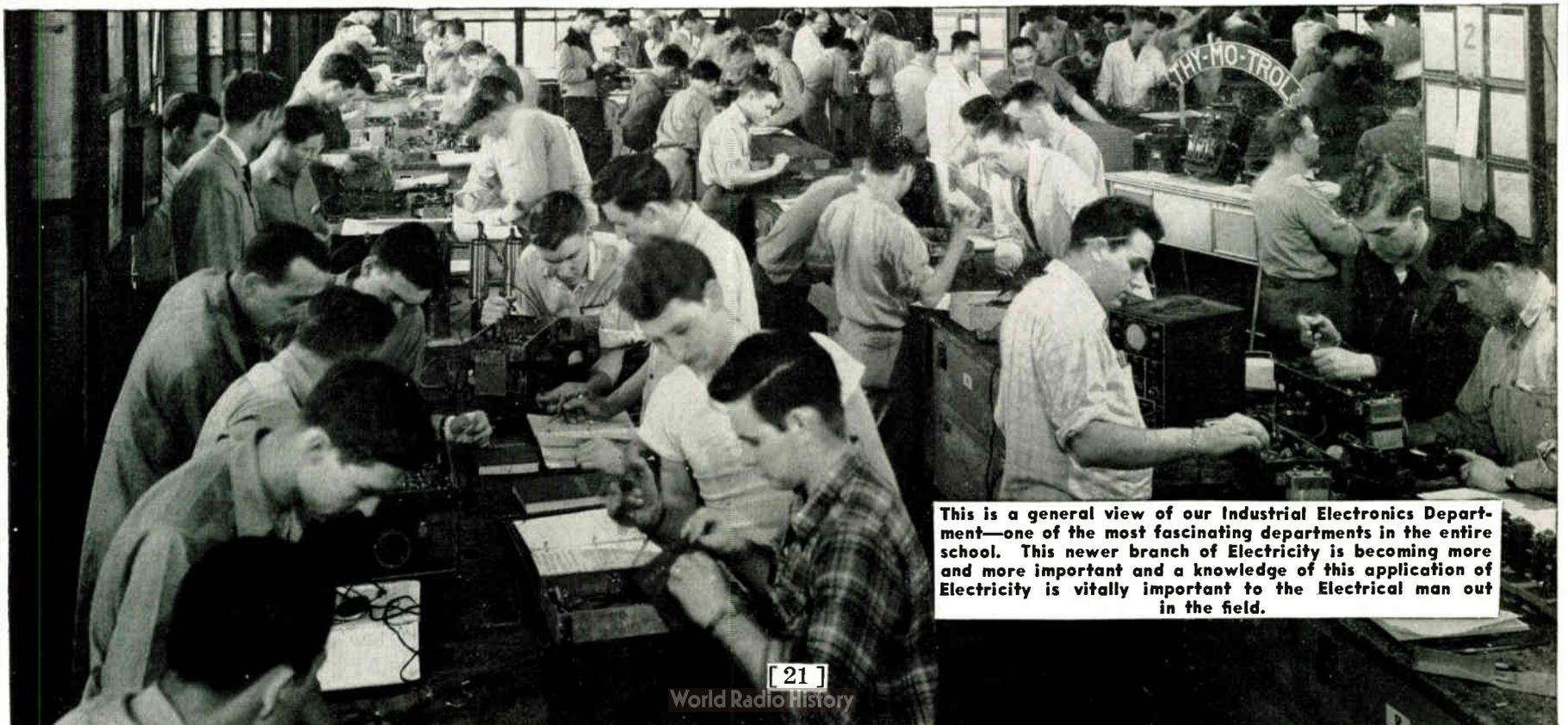
## Knowledge of Industrial Electronics Essential To Electrical Men Today

**BECAUSE** of the importance of **INDUSTRIAL ELECTRONICS** today, any fellow who is training and preparing for a future in the Electrical Field, **WOULD MAKE A BIG MISTAKE IF HE DID NOT INCLUDE TRAINING IN INDUSTRIAL ELECTRONICS**. That is why we include instruction in this vital field with our Electrical course to open up greater future opportunities to Coyne Graduates.

## Excellent Opportunities For Men With a Well-Rounded Electrical Training

**WHEN** you have satisfactorily completed the training in **ELECTRICITY** that has been described you will be ready to graduate and apply your training in the fast growing, progressive opportunity field of **ELECTRICITY**—a field that should continue to offer greater and greater opportunities to the trained man in the years to come.

**I AM SURE THAT AFTER READING THIS BOOK AND STUDYING THE PICTURES IN IT, YOU WILL REALIZE THE MANY ADVANTAGES OF COYNE TRAINING AND REALIZE THAT THE FAMOUS "LEARN-BY-DOING" SHOP TRAINING COURSE GIVES YOU THE KIND OF TRAINING YOU NEED FOR A BRIGHT AND SUCCESSFUL FUTURE IN THE GREAT FIELD OF ELECTRICITY.**



This is a general view of our Industrial Electronics Department—one of the most fascinating departments in the entire school. This newer branch of Electricity is becoming more and more important and a knowledge of this application of Electricity is vitally important to the Electrical man out in the field.



The picture above shows one of the work benches in our Industrial Electronics Department showing students building Industrial Electronic units from parts that are furnished them. Notice the personal attention one of the students is getting from an instructor. This personal help is a very important part of the training program here at Coyne.



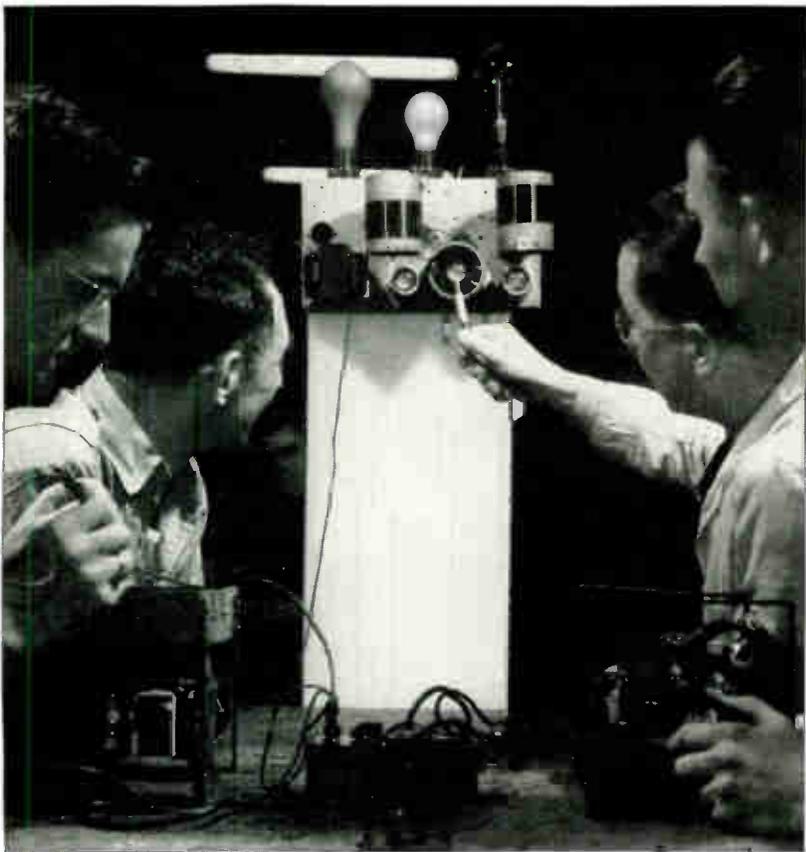
This picture shows students getting an explanation of the operation of the Thy-mo-trol, a commercial electronic unit used to accurately control the speed of a Direct Current motor.



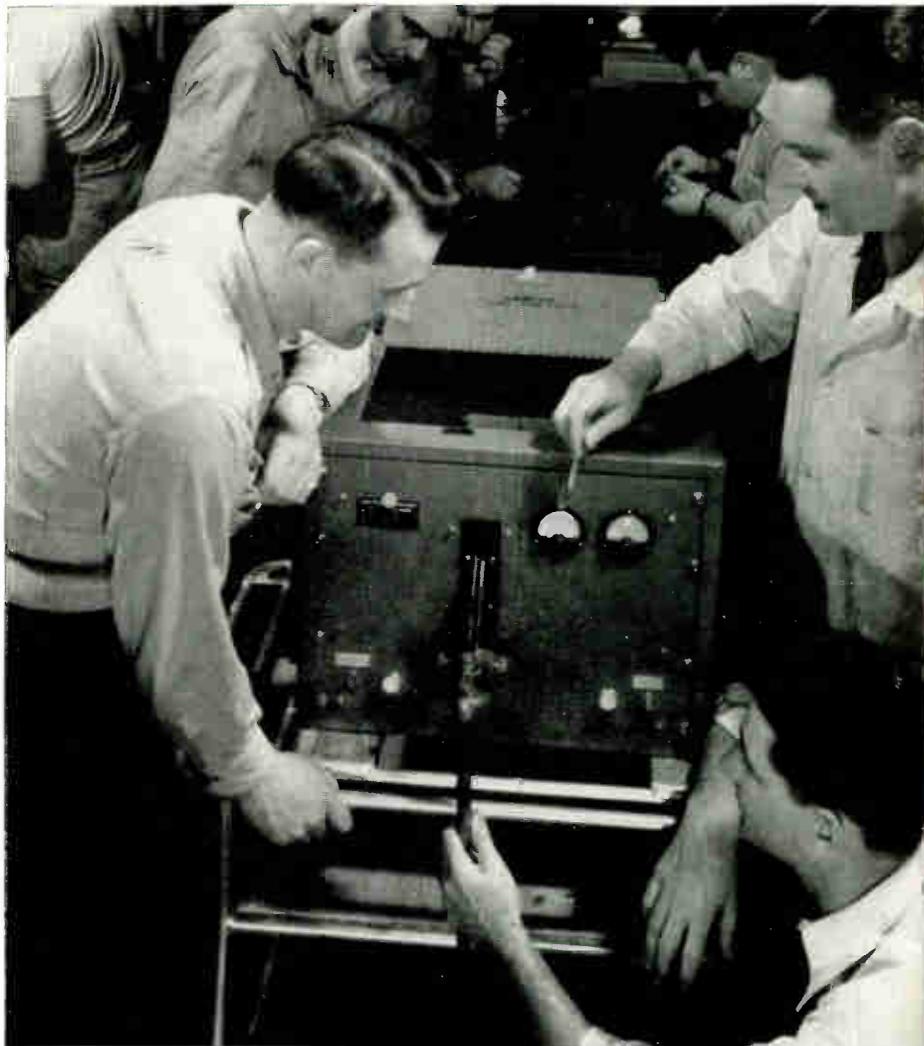
This picture shows a group of Coyne students testing Copper Oxide Rectifiers. This unit is a very important part of a large number of Industrial Electronic controls, so it is important for the Electrical man to understand the use and application of this equipment.

The Ignitron Tube has proved invaluable for use in Electronic Switches, welding controls, and many other applications. The photo below shows students getting practical experience and instruction in the operation of this Electronic Tube.

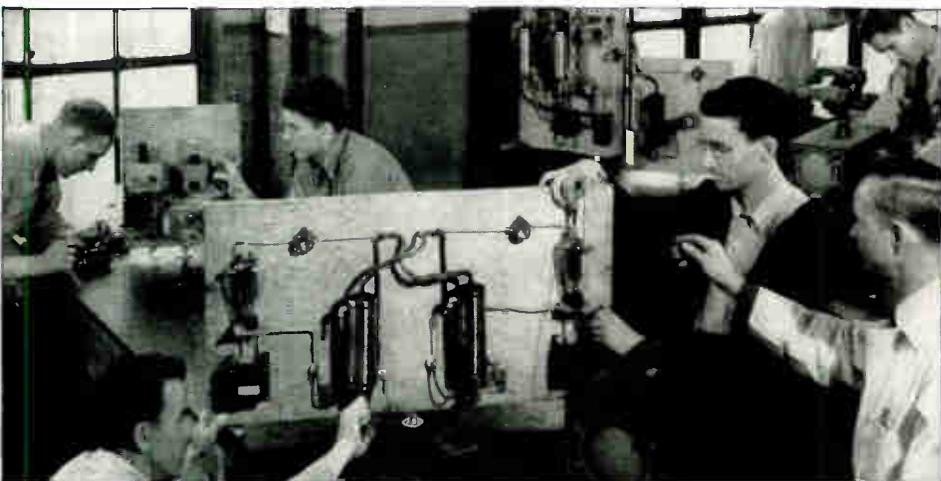




These students are building and testing Carrier Current Remote Control units, with which the power to Electrical equipment located some distance from the operator may be turned off or on by means of high frequency impulses sent over Alternating Current power wires.



This picture shows one of the most interesting and fascinating of the Industrial Electronics applications. The unit shown is a commercial High Frequency Induction heater of the type that is used for soldering and heat treatment of metals. It takes only a few seconds for the metal pipe which the student is holding to get red hot.



This photo shows students working with Thyatron Tubes with the personal help of an Instructor. Personalized instruction and practical "Learn-By-Doing" training helps you make rapid progress in Industrial Electronics here in the Great Shops of Coyne.



The various applications of photo cell controls and timing devices are becoming more and more important industrially. These are some of the most commonly known applications of Industrial Electronics. The photo above shows Coyne students working with Photo Electric Cells and other control apparatus.



The picture above shows students building and checking Photo-electric Cell phase shifter circuits. Coyne training is practical through and through. Every job that you do is designed to give you practical knowledge and experience on an important phase of Electrical work out in the field. That is why you make rapid progress at Coyne.

# Is It Possible to Learn Electricity

## "ON THE JOB"?

A STATEMENT BY J. P. HANAN  
SHOP SUPERINTENDENT

**W**E HAVE been asked countless times whether it is possible for a fellow to go into an Electrical plant or shop and "pick up" a knowledge of Electricity while working on the job.

My answer to this question is—Yes, it is possible to get a smattering of Electricity under such conditions. In fact, some fellows have tried it, and after a year or two or three, consider themselves to be trained Electrical men.

But it is impossible to get an "All-Around" knowledge of Electricity on the job. And you need this All-Around understanding of many branches to take advantage of the bigger opportunities in Electricity today.

### Shop Employes Not Trained to Teach Others

**U**NLESS you look into it carefully, the idea of getting your Electrical training on the job sounds fine. But it has very serious drawbacks.

Let us say you are assigned as a helper to an "old-timer"—a man with years of experience who presumably "knows the ropes." Can he take the time to explain to you the fine points of each job? Naturally not. He's paid for what he does, and it's easier for him merely to turn over the simple tedious part of the work to you and go ahead on his own hook with the parts that require skill.

Moreover, such a man is not trained in teaching other fellows. He doesn't have the patience to go over and over each step until you master it. Then too, if he "learned his trade" several years ago, he is not apt to be posted on the later, more improved methods.

But most important—this plan of learning on the job doesn't give you the basic

principles, the "why" of the work as well as the "how." Unless you know that, you can't hope to advance very far.

### Why Limit Your Future?

**H**ERE in the great shops of COYNE are FLOOR AFTER FLOOR PACKED WITH VARIOUS KINDS OF ELECTRICAL EQUIPMENT for students to work on—everything from doorbells to power equipment. You get personal instruction in each of these branches.

Now compare this to any factory or shop where you might go with the idea of learning Electricity on the job. No matter how large a place it might be, it can't give you the variety of training you get here. If it is a factory, you will work only on the particular type of equipment that the manufacturer makes; you won't become familiar with other types of equipment such as are covered in our course.

Instead of getting "All-Around" training you will be tied down to a single branch of Electricity. You will be in grave danger of landing in a "one-operation" job with little or no chance for advancement. And should you hear of a better opportunity in some other kind of Electrical work, you won't have the necessary know-how to take advantage of it.

### You CAN Share in Electricity's Prosperity

**W**HETHER you are a young man of 16 or as old as 40—whether you have had advanced education or not—whether you have had Electrical experience or whether you have not had Electrical experience—

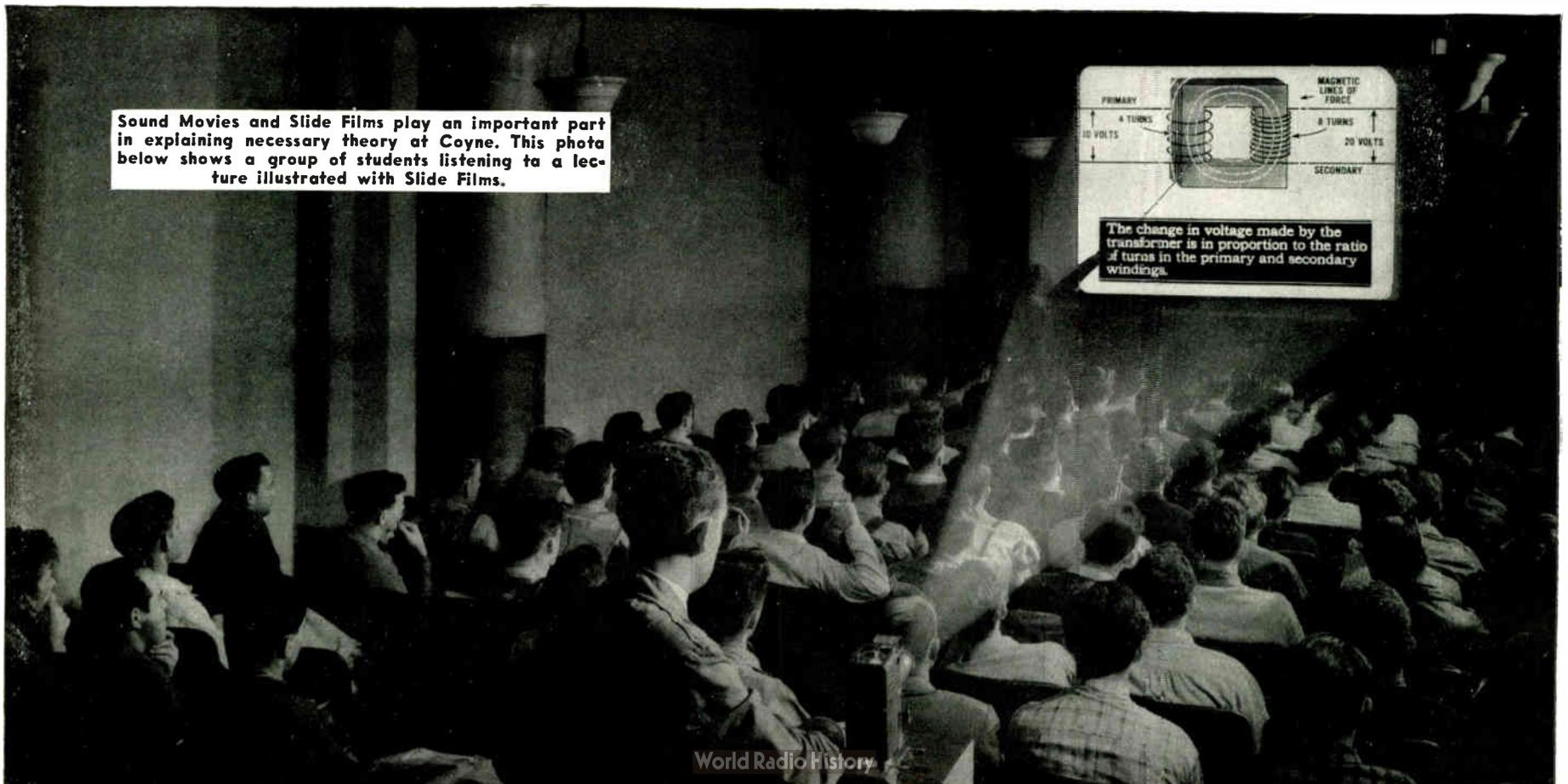


Mr. Hanan, our Shop Superintendent, has for many years guided the progress of thousands of students, through the Coyne Shops. Mr. Hanan has been with us for over 15 years and is in direct charge of our training shops. His many contacts with industry through these many years, makes him particularly well qualified to answer the question, "Is it possible to learn Electricity on the job?"

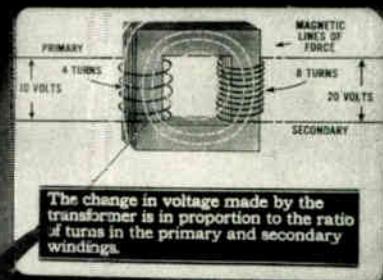
YOU CAN SHARE IN THE GREAT PROSPERITY IN THE ELECTRICAL FIELD.

BUT I WANT TO EMPHASIZE THIS POINT—the man who benefits must have more than just a smattering knowledge of one or two branches. He must be trained in the principles and fundamentals of the field and he must have all-around training and experience with the real ELECTRICAL equipment.

HERE AT COYNE YOU GET THIS TRAINING. YOU ARE GIVEN THE TRAINING THAT WILL GIVE YOU WHAT YOU NEED FOR A REAL SUCCESSFUL FUTURE, FULL OF OPPORTUNITIES IN AN INTERESTING AND FASCINATING FIELD.



Sound Movies and Slide Films play an important part in explaining necessary theory at Coyne. This photo below shows a group of students listening to a lecture illustrated with Slide Films.



# TO QUALIFY FOR THE BETTER JOBS AND ADVANCEMENT IN THE ELECTRICAL FIELD . . .

## *You Need All-Around Training*

### Electricity Is a Field of Many Branches

**N**OW, there is one thing I want to bring out right here and I feel IT IS A MIGHTY IMPORTANT POINT FOR YOU TO CONSIDER.

While the field of Electricity is composed of what we might call many branches — TO QUALIFY FOR THE BETTER JOBS AND ADVANCEMENT IN THIS FIELD, IT IS NECESSARY TO HAVE MORE THAN A TRAINING IN ONE OR TWO PARTICULAR BRANCHES.

You will find that if you are only familiar with one branch, YOU WILL BE HANDICAPPED BY NOT HAVING AN ALL-AROUND TRAINING IN THE OTHER BRANCHES.

### Each Branch of Electricity Dove-Tails into the Other Branches

**I** BELIEVE you understand that each branch dove-tails into other branches and while you might be familiar with one or two branches, some phase of the other branches are connected WITH ALL THE OTHERS and IT'S NECESSARY TO BE TRAINED IN THE ENTIRE FIELD.

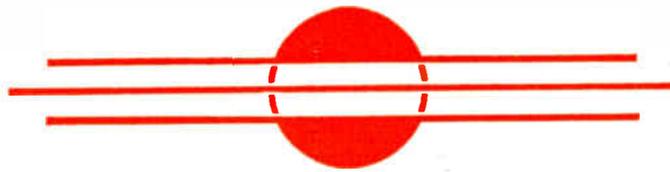
Now, it is quite all right to specialize in some one branch, but it would be a mistake to train in this one branch alone, for as you go along with your training you will find that all of these electrical branches in which you are trained at Coyne are related to each other in some way. So to be in line for the better jobs and advancement a fellow needs all-around training, as he must know the "whys" and "wherefores" of Electricity, and understand how each branch of Electricity dove-tails into the other branches.

TAKE FOR EXAMPLE, A FELLOW WHO IS DOING SOME ONE THING IN ELECTRICITY. THIS DOES NOT ALWAYS MEAN THAT HE IS AN ELECTRICIAN AND QUALIFIED TO ADVANCE TO A BETTER JOB SHOULD ONE OPEN UP.

### The All-Around Trained Electrical Man Knows More Than Just "One Operation"

**A** LOT of men working in some big concerns wiring switchboards or winding coils or some other line of electrical work often classify themselves as Electricians. THIS IS NOT SO ANY MORE THAN A FELLOW WORKING IN AN AUTOMOBILE PLANT, WHO PUTS A SCREW OR BOLT IN PLACE ON EACH CAR AS IT PASSED ALONG TO HIM, IS A TRAINED AUTOMOBILE MECHANIC.

The trained Electrical man is the one who knows the principle of electricity and electrical equipment. He can overhaul, service, repair and maintain electrical motors, starters, armatures and other electrical equipment and ap-



### 2 POINTS TO REMEMBER

**NUMBER ONE:** You DON'T NEED PREVIOUS EXPERIENCE IN ELECTRICITY to master Coyne training. Many of our students never had a day of actual experience.

**NUMBER TWO:** On the other hand, many of our students HAVE HAD PREVIOUS EXPERIENCE IN ELECTRICITY.

Yes, they may have even been working in some branch of Electricity.

However they had only a "one operation" job, and probably WERE ONLY FAMILIAR WITH ONE OR TWO BRANCHES OF ELECTRICITY.

These fellows realize they must have all-around Electrical training if they wanted to get the better jobs and advance in their work. THAT IS WHY THEY CAME TO COYNE.

NOW IF YOU HAVE HAD NO PREVIOUS EXPERIENCE IT MAKES NO DIFFERENCE—YOU CAN STILL MASTER COYNE TRAINING.

IF YOU HAVE HAD PREVIOUS EXPERIENCE YOU NEED COYNE TRAINING ANYHOW TO PREPARE FOR A BETTER JOB AND ADVANCEMENT IN THE ELECTRICAL FIELD.

paratus and knows how and why they operate. He can recognize troubles in these machines. He can make the necessary tests to locate troubles and correct them.

### The "One Operation" Electrical Worker Usually Knows But One Thing—One Operation—One Machine

**T**HE trained Electrical man knows that EACH BRANCH OF ELECTRICITY DOVE-TAILS INTO OTHER BRANCHES. Once he has acquired the principles, he THEN REALIZES that without this training and knowledge, he never could advance.

NOW, SUPPOSE A FELLOW IS WORKING IN A POWER PLANT OPERATING MOTORS AND THERE IS A NEW JOB CREATED OR THE MAN ABOVE HIM QUILTS. HE IS PREPARED BY HIS ALL-AROUND TRAINING TO STEP UP AND TAKE THE BETTER JOB.

On the other hand, SUPPOSE THIS FELLOW JUST HAPPENED TO BE A "ONE OPERATION" WORKER. What would he know about operating a power plant? How could he step into the job above his? How could he step into the chiefs job? All that he knows is that one operation—nothing else. He probably wouldn't have a ghost of a show for advancement if he didn't have a knowledge of the work in the advanced job.

CAN YOU SEE THE DIFFERENCE BETWEEN THE TRAINED ELECTRICAL ALL-AROUND MAN and the MAN WHO KNOWS ONLY "ONE OPERATION" or has only a smattering knowledge of Electricity? CAN YOU SEE WHY THE TRAINED ELECTRICAL MAN IS CONSTANTLY AND DIRECTLY IN LINE FOR PROMOTION WHEREAS THE "ONE OPERATION" WORKER IS NOT? Can you see the marvelous opportunities which the TRAINED ELECTRICIAN has as AGAINST the limited future THE "ONE OPERATION" man generally has.

Any man who hopes to be able to take charge of operating or maintaining electrical equipment in a factory or power plant must know the principles of Electricity. And, regardless of how close he specializes on one line, if he is to have a big job or any responsibility he must know and be able to apply the general principles of Electricity to his work. The more he knows about Electricity, the better chance he has getting the big job.

### In Order to Specialize You Must First Have a Foundation of General All-Around Training

**I**N ORDER TO FURTHER ILLUSTRATE MY POINT, let's consider the case of a Doctor, who wants to be a Heart Specialist. WOULDN'T HE FIRST WANT TO BE FAMILIAR WITH THE ENTIRE HUMAN SYSTEM? Of course he would because he learns that EVERY PART OF THE BODY IS CLOSELY RELATED TO THE ACTION OF THE HEART, AND MIGHT HAVE SOME BEARING ON ITS FUNCTION.

*Well, we follow a similar principle here at Coyne. We feel that a student who wants to successfully specialize in any one branch of Electricity, first should have a general training in other important related branches.*

That is why we don't split our course into different branches, for we know if one is to get the full benefit of a training, HE MUST HAVE ALL-AROUND TRAINING IN THE DIFFERENT BRANCHES.

AFTER HE HAS THIS ALL-AROUND TRAINING THEN HE SHOULD BE ABLE TO PICK THE BRANCH THAT APPEALS TO HIM AND BECAUSE HE HAS A GENERAL TRAINING, HE IS PREPARED TO MAKE A SUCCESS OF HIS TRAINING.

Now, throughout this book I have told you how the COYNE ALL-AROUND practical course of training in ELECTRICITY is designed to prepare men and young men for the better jobs and advancement in various lines of work in the fast growing, progressive field of Electricity—A FIELD THAT SHOULD CONTINUE TO OFFER GREATER AND GREATER OPPORTUNITIES TO THE ALL-AROUND TRAINED ELECTRICAL MAN IN THE YEARS TO COME.

# Electrical Training offers you the opportunity to get the things you want in life.

## Here Are **10 BIG REASONS** Why You Should Get This Training at **COYNE**

**W**HEN you are choosing a training, there are several important things to consider. But, **THE MOST IMPORTANT THING TO KEEP IN MIND IS—YOU ARE MAKING A LIFE TIME INVESTMENT.**

It is preparation to make the best use of your ability. Its purpose is to take you out of the low-pay, long hour, bossed-around type of job. It should be your best insurance against unemployment. And, in the years ahead, your training should enable you to get all those things you want for yourself and your loved ones . . . a car . . . a nice home of your own . . . an education for your children . . . and the other things that go to make up a full and happy life.

For these reasons you can't afford to gamble with your future, you owe yourself the best training you can get **FOR IT IS SOMETHING THAT YOU ARE GOING TO HAVE ALL YOUR LIFE.**

We could, no doubt, give you a course for less money if we took out certain features in our course. We could very easily take out two or three sections. We could cut down on our equipment and most important of all, we could cut down on the service and the help we give you both as a student and as a graduate. These services are not, strictly speaking, a part of the training, but we are convinced that they are important. **FOR ALL THESE THINGS GO TOGETHER TO MAKE YOUR TRAINING VALUABLE ALL THROUGH YOUR LIFE.**

We have always felt that the actual training given to our students (which must be the best) is after all only a part of our obligation to them. We feel that it is just as important to give them every possible help and assistance not just while they are in school, but also **AFTER THEY GRADUATE . . .** and not just for the first few months after they leave school, but for the rest of their lives—whenever they want it.

I want to call your attention to the many outstanding features of COYNE, and I believe that after considering each one of these very carefully you will be satisfied that the money you pay for a training in **THE GREAT SHOPS OF COYNE** is an investment that can pay you dividends all your life.

Now I want to give you 10 important reasons why you should select COYNE for your training:

### **1** COYNE TRAINING IS "LEARN-BY-DOING" TRAINING.

At Coyne you learn by doing actual shop work on real Electrical equipment along with the necessary theory only—the same type that you will expect to work on out in the field after you finish training.

### **Coyne Has No Branches**

**C**OYNE has no branches nor are we associated or connected with any other school.

I feel all OUR EFFORTS should be confined to one school, and we couldn't spare the time to split our interests in several places. **THERE HAVE BEEN CERTAIN SCHOOLS THAT HAVE CLAIMED THEY WERE CONNECTED WITH OUR SCHOOL—THIS IS NOT TRUE AND I CAN ONLY FEEL THEY ARE TRYING TO CAPITALIZE ON THE REPUTATION OF COYNE.**

Keep in mind what I have said elsewhere in this book, that COYNE is over 49 years old, and stands today a pioneer and pacesetter. But as old as COYNE is, COYNE retains her youthful vigor and aggressiveness, keeping up with all new developments at all times.

You have only one training to give yourself; look for the best money and experience can give you. Don't take a chance with your future, the most precious thing in your life.

We have helped to make hundreds of fellows happy and independent. They had confidence in this institution, and because of the training and assistance they received, have become successful men.

### **2** A TREMENDOUS OUTLAY OF EQUIPMENT.

You are trained on one of the largest outlays of Electrical equipment of any similar school in the country—equipment that is modern and up to date, as well as some of the older equipment that you will find is still being used in many places.

### **3** OVER FORTY-NINE YEARS EXPERIENCE.

COYNE was established way back in 1899 and has a background of nearly half a century of experience in training men and young men for better jobs. Hundreds of successful COYNE Graduates are proof of the thoroughness and value of COYNE TRAINING.

### **4** ALL COYNE TRAINING IS GIVEN IN OUR BIG CHICAGO SHOPS—NOT BY MAIL.

Here in our great training shops in Chicago, we have floor after floor of real Electrical Equipment for you to train with. We do not teach by mail. Neither do we have you study printed lessons at home and then have you come here for a short visit for just a smattering of practical work. **YOU GET ALL YOUR TRAINING RIGHT HERE IN OUR CHICAGO SHOPS,** under the guidance of a staff of trained instructors.

### **5** YOU ARE TRAINED IN ONE OF THE GREATEST ELECTRICAL CENTERS.

COYNE IS LOCATED IN CHICAGO, one of THE GREATEST ELECTRICAL CENTERS IN THE WORLD and students have the opportunity to get their training in this great Electrical Center.

### **6** COYNE HAS A GREAT ORGANIZATION.

COYNE is not a one-man organization. I am mighty proud of the COYNE Staff. They are all real fellows and most of them have been with COYNE for many years. They are practical men, and each is thoroughly familiar with the work in his department. You will find all of them friendly, sincere, patient and understanding, and always ready and willing to help you with your problem. You are given every service **WHILE A STUDENT,** such as personal attention in the selection of your living quarters and the benefit of our advice and experience with other school problems.

### **7** COYNE OFFERS LIFETIME EMPLOYMENT SERVICE TO GRADUATES.

After you graduate, you are given employment service whenever you request it as long as you are in good standing . . . not just help you get a job right after you leave school, but anytime later when you want to change jobs. You just register with our Graduate Department, telling them where you want to locate, etc., and they will immediately give you assistance in locating a job for you. I don't know of another school that has a Graduate Employment Service as efficient as COYNE'S, and we don't charge a cent for this service. These services are fully outlined on page 29.

### **8** CONSULTATION SERVICE AND OTHER GRADUATE SERVICE.

As a COYNE GRADUATE your LIFE MEMBERSHIP also entitles you to **CONSULTATION SERVICE** whenever you wish it. By this, I mean that whenever you run into any problems connected with your work after you leave school, you can write in to the Graduate Department and explain what you want. Then they will work out a solution and send it to you without any charge.

### **9** COYNE TRAINING LASTS A LIFETIME.

Yes, COYNE training will last the rest of your life. Every COYNE Graduate gets a Life Membership which entitles him to return and review any part of the course for which he enrolled, or take up new phases that have been added as outlined in our Life Membership Certificate.

### **10** COYNE HAS A NATIONAL REPUTATION.

COYNE is a Nationally known institution with a record of nearly half a century of fair and square business methods. As a student and a graduate of COYNE you can rest assured you will get every bit of training and services outlined in this catalog.

**I** WANT you to consider carefully all of these important facts I have told you here. I want you to realize that when you come to Coyne nothing is going to stop us from giving you every help within our power to make you a success. **BECAUSE WE WILL DEPEND UPON YOU AFTER YOU GRADUATE TO RECOMMEND OUR SCHOOL TO YOUR FRIENDS.**

# COYNE was One of the First Schools

**CHOSEN BY THE U. S. ARMY**

# to Train Technicians

**E**LECTRICITY and Electronics played a tremendously important part in winning the War for America. Many, many thousands of trained men were needed to build, operate and service this vital equipment.

Even before the war started our War Department recognized the important part that Electricity and Electronics would play in Modern Warfare, and recognized the need for increased training facilities to meet the demands of an expanding Army. Plans had already been discussed to make use of established Training Facilities to help train the Technicians needed.

Coyne is mighty proud of having had an important part in this great program. Coyne was among the first schools used by our Government to train Specialists for the Armed Forces.

We began working with Army officials more than a year before Pearl Harbor. Our first trainees in uniform started in October, 1940.

Then when War came, the problem that faced the War Department naturally was tremendously increased. One of the many problems that faced our War Department at that time was the problem of building up efficient training Facilities to provide the various branches of the Armed Forces with the vast number of

Technicians and Specialists required. Those entrusted with the responsibility of carrying out this training program solved this problem with almost unbelievable speed and efficiency.

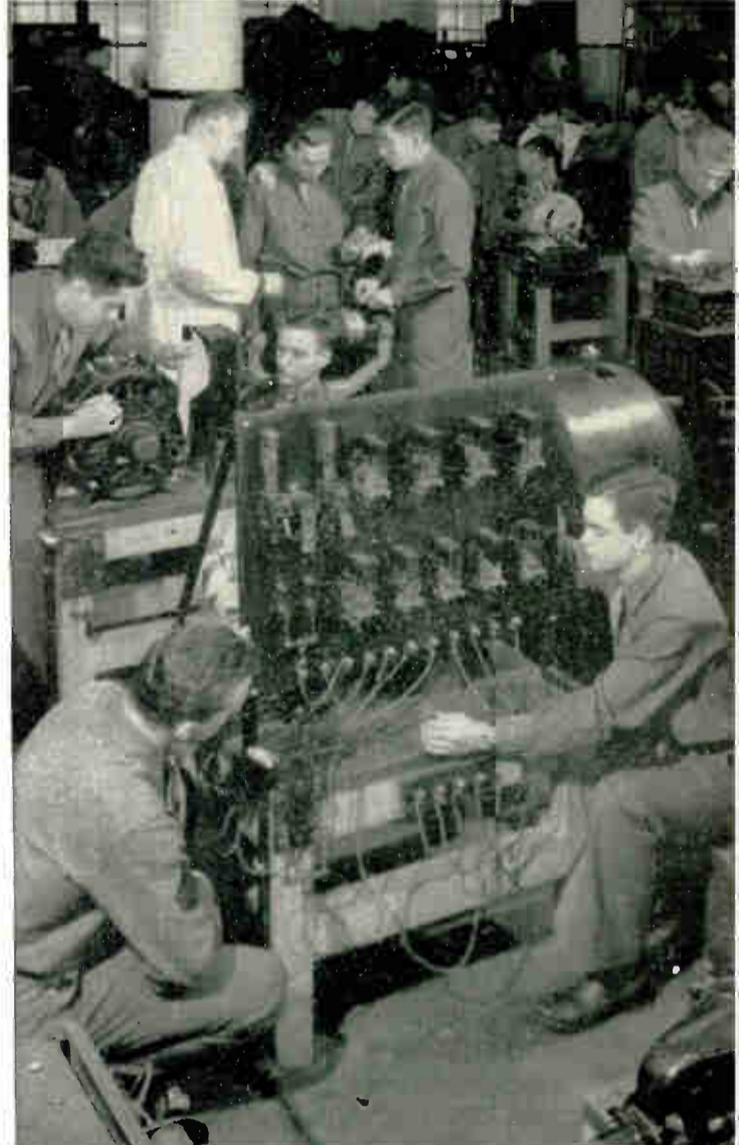
The Coyne Staff worked night and day with Army officers and educators, devising training methods that would enable the student to grasp the work more quickly, thus covering the most ground in the time allowed. Our years of experience with the famous Coyne "Learn-by-Doing" method proved to be of very great value.

Our floor space was enlarged by some 20 per cent, and a great deal of new equipment was added to our plant. As a result of all this planning and expanding, Coyne was able to train several thousand specialists for the Signal Corps, Engineers, Anti-Aircraft and Army Air Force.

You'll see the benefits of this war-time experience and equipment when you get your training in the Great Shops of Coyne!

To the right and above are two views showing how hundreds of men in uniform were trained in Radio work at Coyne for various branches of the U. S. Army.

The photo shown below was taken of a Military Training Unit while attending our school.



# You.. as a COYNE STUDENT

are entitled to receive many special services -  
**We Give You Special Instruction in  
 Operating an Electrical Shop**

**A**RE you ambitious to go in business for yourself? Do you look forward to owning and operating a shop or store of your own? You can make no finer start toward reaching this goal than to enroll for Coyne Electrical Training NOW.

## Electrical Business Opportunities

**T**HE Electrical Field offers splendid opportunities for trained men to start a business, in many different branches. For example there is Electrical Contracting and House Wiring, including the sale and installation of modern Lighting Fixtures. Burglar alarm, Signal and Office Call installation is also a profitable branch in many localities. Then there is Service Shop Operation, in the Servicing and Repairing of household electrical appliances such as fans, toasters, electric irons, washers, vacuum cleaners and many other home electrical devices.

Some of our graduates operate Armature Winding and Motor Repair Shops. Others specialize in Electric Refrigeration or a combination of Refrigeration and Electricity. Then, too, some go into Electrical Maintenance Contracting, and Service and take care of the electrical equipment of a number of small stores, shops, and factories on a weekly or monthly fee basis.

Rural Electrification is providing many opportunities for COYNE trained men who live in rural communities to wire farm buildings and service electric motors and appliances.

Also, in connection with the operation of Electrical Service Shops, there are many opportunities for EXTRA PROFITS from the sale of Electrical Appliances, replacement parts, etc.

As one of the various Special Services offered you as a student of Coyne, we give you, in addition to your practical Shop training, instruction in modern business methods and salesmanship. This part of our training will be of great help to you.

We cover such subjects as how to keep records, selecting a location, how to attract customers, rent and other overhead expense, how much you should charge for different types of jobs, and many other important matters.

Then when you are a Coyne graduate, you can make free use of our Consultation Service. This includes advice with regard to your merchandising problems, as well as technical help on any type of job that may come into your shop where you feel the need of detailed information.

**MANY COYNE STUDENTS GO DIRECTLY FROM THE SHOPS OF COYNE TO AN ELECTRICAL SHOP OF THEIR OWN.**

It's easy to see why our graduates do so well when they decide to go in business for themselves. The training here at Coyne is so practical, thanks to our "Learn-by-Doing" method, that it's just like going from one shop to another. You learn to handle each type of job the quickest, best way, so you don't waste time guessing or doing the job over, when you become your own boss.

Folks always like to deal with a fellow who does the work right, on the principle that "one job well done deserves another." Besides, your satisfied customers will tell their friends, and that will help your shop grow.

So if you want a shop of your own, be sure to get Coyne Training FIRST.

## COYNE HAS TRAINED MANY MEN WITH PHYSICAL DISABILITIES

For many years COYNE has been training men and young men with physical disabilities, many of whom got their training at no cost to them for tuition and subsistence. IF YOU HAVE A PHYSICAL DISABILITY of any kind WRITE US AT ONCE, giving details and we may be able to give you valuable suggestions and help in getting YOUR training here in the shops of Coyne.

We have successfully trained students with disabilities from many causes, some of which are listed here:

Infantile Paralysis	Brace Cases
Arrested Tuberculosis	Diabetes
Impaired Vision	Minus Hand
Minus Some Fingers	Minus Leg
Impaired Hearing	Loss of Eye
Curvature of Spine	Back Injury
Osteomyelitis	Cardiac
Stiff leg or Hip	Minus Arm

WE ARE MIGHTY PROUD OF THE ACHIEVEMENTS OF THESE MEN who refused to believe their disability was a handicap and have proven it was not, by their accomplishments.

STUDENTS WITH PHYSICAL DISABILITIES ARE NOT SEGREGATED because we have found that working side by side with other students is an encouraging experience for them.

ELEVATOR service is provided if needed and stools are furnished those unable to stand for any length of time.

So, if you have a physical disability of any kind, be sure to write us at once, giving us all details and we'll extend every possible help to you in getting Coyne training.

## READ THESE EXCERPTS FROM LETTERS FROM COYNE TRAINED MEN who are making good

### PROUD TO BE COYNE GRADUATE

"I am now, and have been ever since I graduated from Coyne, doing Electrical Contracting for myself except for 2 years during the War when I worked as foreman in Shipyards in Tacoma Washington. . . . I own my own shop, tools, and equipment—also my home, all furnished and paid for and valued at over \$12,000—today. The tools and shop have a value of approximately \$8,000. All this I have accumulated since I graduated from your school—I am indeed very proud and happy to be a Coyne graduate."

H. O. Brown, Washington

### HAS OWN CONTRACTING BUSINESS

"I am still in the Electrical Contracting business, have more work than I can do and it looks like we will be busy for some time to come.

My work includes all types of wiring motors, fixtures, ranges, water heaters, repairs, remodeling, fire jobs and anything that needs the electrician.

I would appreciate all the news that Coyne has and I want to be on your mailing list."

D. S. Harvey, Missouri

### READY FOR PROMOTION

"I wish to express my appreciation for the training I received at Coyne. Since graduating, I

have obtained a job on the . . . Railroad, as a signal helper. I feel that the training I received at Coyne helped me to get the job, also I feel that if a promotion comes up I will be able to handle it.

I recommend highly Coyne Electrical School to any man interested in Electricity."

B. L. Burke, Florida

### CREDITS SUCCESS TO COYNE

"After graduation from your school, I have been with the . . . Electric Company as final Inspector and have received a number of cash rewards for suggestions. Graduated from their course in Direct Current, Circuits and Machinery with high honors.

I credit my success to The Coyne Electrical School. Thanks."

M. R. Donnelly, Indiana

### PROMOTED TO CHIEF

"I have been employed as an Electrician at . . . Corp., all the time I have been away from Coyne. I was promoted to the job of Chief Electrician for "Plant E" on the 1st of January. My duties cover almost every kind of work that is found in the Electrical field. . . ."

Reed Clayton, North Carolina

### LANDED GOOD ELECTRONICS JOB

. . . I landed a good job as an Electrician and Electronics Maintenance Man with the . . . Corporation when I finished Coyne. That's one of the many reasons that I'm 100% for Coyne.

Thanks for the data on the Tube that I asked for awhile back."

James C. Brooks, Arkansas



Here is an exterior view of a typical Electrical Shop operated by Coyne Graduates.

# You.. as a **COYNE GRADUATE**

## will benefit throughout Life from these many important services

**A**FTER you have completed your Coyne Training and are out in the field, we stand behind you and aid you in many ways. The expression—"ONCE A COYNE MAN, ALWAYS A COYNE MAN"—is based not only on the training we give our students, but on the way we back them up in later years.

That's why our graduates recommend us to their friends. They would not do this if they themselves were not our friends.

We have many services for our graduates. Each of them is designed to help you get more out of your training. **THERE IS NO EXTRA CHARGE FOR ANY OF THESE SERVICES.**

The most important, perhaps, is our Lifetime Employment Service. We do not guarantee a job to any graduate nor does any other reputable school. However, we give you every assistance in getting located and are very proud of the record made by this department.

Hundreds of calls for Coyne Graduates come to us every year from firms in many parts of the country. Many such requests come from employers who already have one or more of our graduates working for them. We promptly notify you of such a request in your locality, then follow this up with special letters of recommendation.

You can use this service to help land your first job after graduation, or to aid you in getting a better job, or whenever the need arises. Like the other services explained below, it is yours without cost, throughout life.

We want your friendship both as a student and a graduate. That has been the guiding principle of Coyne for nearly half a century, and it will always remain that way.



## **COYNE** *Lifetime* **GRADUATE SERVICE**

—You Get All These Without Extra Costs After Finishing Course

### **LIFETIME EMPLOYMENT HELP**

We supply "leads" on prospective jobs, tell you where new projects are opening up, send letters of recommendation, keep in constant touch with employers who may need men. Scores of Coyne Graduates are in business for themselves or do the hiring for their company. Naturally, they prefer Coyne-Trained men.

### **REVIEW PRIVILEGES**

Any graduate in good standing may come back to Coyne and review any part of the training for which he enrolled as outlined in our Life Membership Certificate.

### **CONSULTATION SERVICE**

This entitles you to technical advice by mail on any problem in connection with your daily work, whether you are in business for

yourself or employed in a job. Members of our technical staff give personal attention to all requests from our graduates. Use this service as often as you need it, at no extra charge.

### **COYNE PUBLICATIONS**

From time to time we issue Technical Bulletins on new developments, improvements in testing equipment, and other timely subjects. As a graduate you receive these bulletins without cost for life.

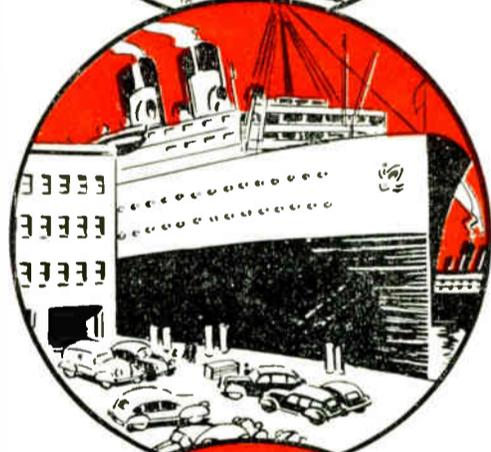
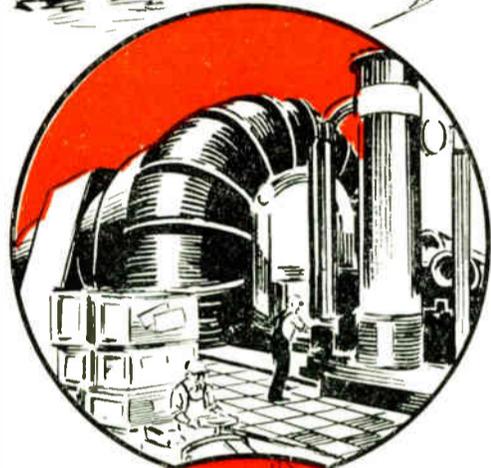
### **MERCHANDISING SERVICE**

If you go in business for yourself, we are glad to advise you on sources for supplies, as well as your sales and advertising problems. Many times we are able to help our graduates save money or prevent costly mistakes. This service is given without charge whenever a graduate requests it.

# OPPORTUNITIES IN



## City — Town —



**Y**OU and I are living in an Electrical Age . . . an age of rapid progress. It has only been a little over sixty-five years since the Electric Lamp was invented, but since then thousands of uses for this great force have been developed . . . thousands of machines and devices to improve and speed up manufacturing processes, to make our daily work easier, and to add to our comfort and entertainment. Perhaps no other single force plays as important a part in our daily lives as Electricity does. Yet, scientists tell us that we have only scratched the surface of the possibilities of this marvelous and fascinating power . . . its real development has just begun. Electricity offers more opportunity for new developments and inventions than any other power ever discovered. New applications are being developed constantly. Today, industry and, in fact, our very civilization, depends upon Electricity for its existence.

### Electricity Is Used Everywhere

**Y**ES, Electricity is used everywhere . . . in big cities . . . in small towns . . . and on farms. Today the farmer can benefit just as much by the use of Electricity as his neighbor in the small town, or the fellow who lives in the city . . . perhaps even more.

Yet many fellows get the impression that Electrical jobs are to be found only in Electrical concerns. This is far from true. Thousands of men are employed in good pay jobs in concerns that do not specialize in Electrical products. Power companies, telephone, and telegraph companies, and firms making electrical products certainly offer almost countless opportunities, but they account for only a small part of

the thousands of jobs that call for trained Electrical men.

On these two pages I want to bring out some of the many fields of opportunity open to the trained Electrical man—**BUT I WANT TO IMPRESS UPON YOU THAT NO MATTER WHAT BRANCH YOU SELECT YOU NEED AN ALL-AROUND ELECTRICAL TRAINING — FOR EACH BRANCH DOVE-TAILS INTO THE OTHER BRANCHES.**

### Power Plants

**A** LARGE power company operating several plants may have hundreds of trained men to build power plants, transmission lines, substations, etc., in small towns and villages, as well as in large cities, and hundreds of other trained men to operate and maintain them. The opportunities here are tremendous, to be sure. There is no denying that. Yet . . . they are only a part of the total number of Electrical jobs in the same territory.

### Manufacturing Plants

**O**NE example of these other opportunities is in the factories that get their electrical power in wholesale quantities from a power company. These factories are electrified. Electrical energy is used for their hundreds of electric motors, lights, and other electrical equipment. *And trained electrical men are needed to keep this equipment in repair and running every minute of the day.*

Many other factories have their own complete power plants and these also must have trained men to operate and maintain them.

There are thousands of factories in America. Just think of the thousands of jobs for all-

around trained Electrical men in these factories alone. **AND REMEMBER, THESE JOBS ARE ELECTRICAL, YET THEY ARE NOT DIRECTLY IN THE ELECTRICAL INDUSTRY ITSELF.**

### Steel Mills

**S**TEEL MILLS employ thousands of electricians as motor inspectors, repairmen and maintenance men. Motors ranging in size from a fraction of one horsepower to as much as 5,000 horsepower . . . modern lighting . . . electric ovens and furnaces . . . cranes, hoists and other conveyors . . . signals, communication systems and complicated controls are some of the equipment that require the services of men trained to do electrical jobs well.

### Railroads

**E**VERY large railroad needs many trained electrical workers . . . not just for sections that have been electrified . . . but every steam road must have electricians to keep in repair its huge amount of electrical equipment. Safety devices and signal systems along the right-of-way . . . automatic train controls that will slow up or stop the train if the engineer fails to see a danger signal . . . communication circuits such as telegraph and telephone systems with involved transmission circuits . . . locomotive and car lighting, heating and ventila-

# ELECTRICITY

For Trained  
Men and Young Men!

## and Country

skilled electrical men. They are needed not only to service and maintain the vast amount of electrical equipment used in the manufacturing of motor cars and airplanes, but also trained electrical workers are needed to install, test and adjust ignition systems, lights, and other electrical equipment on the cars and airplanes themselves.

### Rural Electrification

**T**O the fellow who doesn't want to work in the city *there are countless opportunities in small towns and communities.* During recent years hundreds of thousands of additional farms have been electrified. Thousands more are being wired and equipped with electrical appliances and power devices each year as power lines reach out over the country.

Also, Rural Electrification Projects have made it possible for industrial plants to move to the small town or rural districts where taxes are lower and power costs are cheaper.

This provides splendid opportunities for trained electrical men in rural districts to do wiring of farm homes, barns and other buildings . . . to sell, install and to service the vast amount of added electrical equipment and machines for farm work, lighting fixtures for buildings and the farmyard, and appliances for the home.

Many Coyne Graduates are profitably employed or established in their own contracting or sales and service business in rural districts.

Other graduates are employed as supervisors, power plant operators, or Superintendents of Rural Power Systems.

### Electricity Is the Heart Of Modern Industry

**M**ANY other industries . . . too many for me to tell you about individually . . . use Electricity and need trained electrical workers to service and maintain their electrical equipment. Paper Mills, Mines, Textile Manufacturers, Chemical Plants, Airports, Hotels, Stores, Office Buildings, Warehouses, Steamships, are just a few other places where there are opportunities for trained Electrical men.

Truly, we are living in an Electrical age and a man who is wise enough to see this and train now, will be preparing himself for a good job now, and a real future in the years ahead.

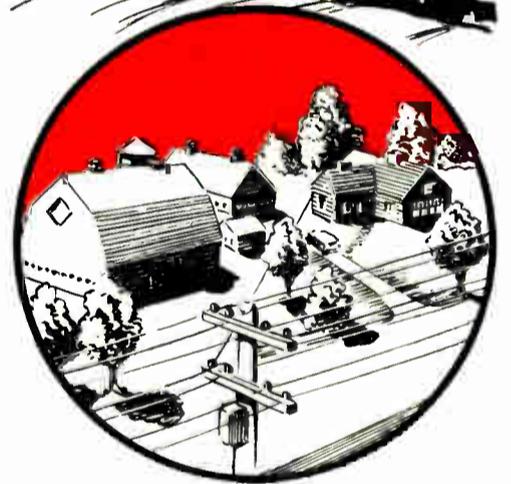
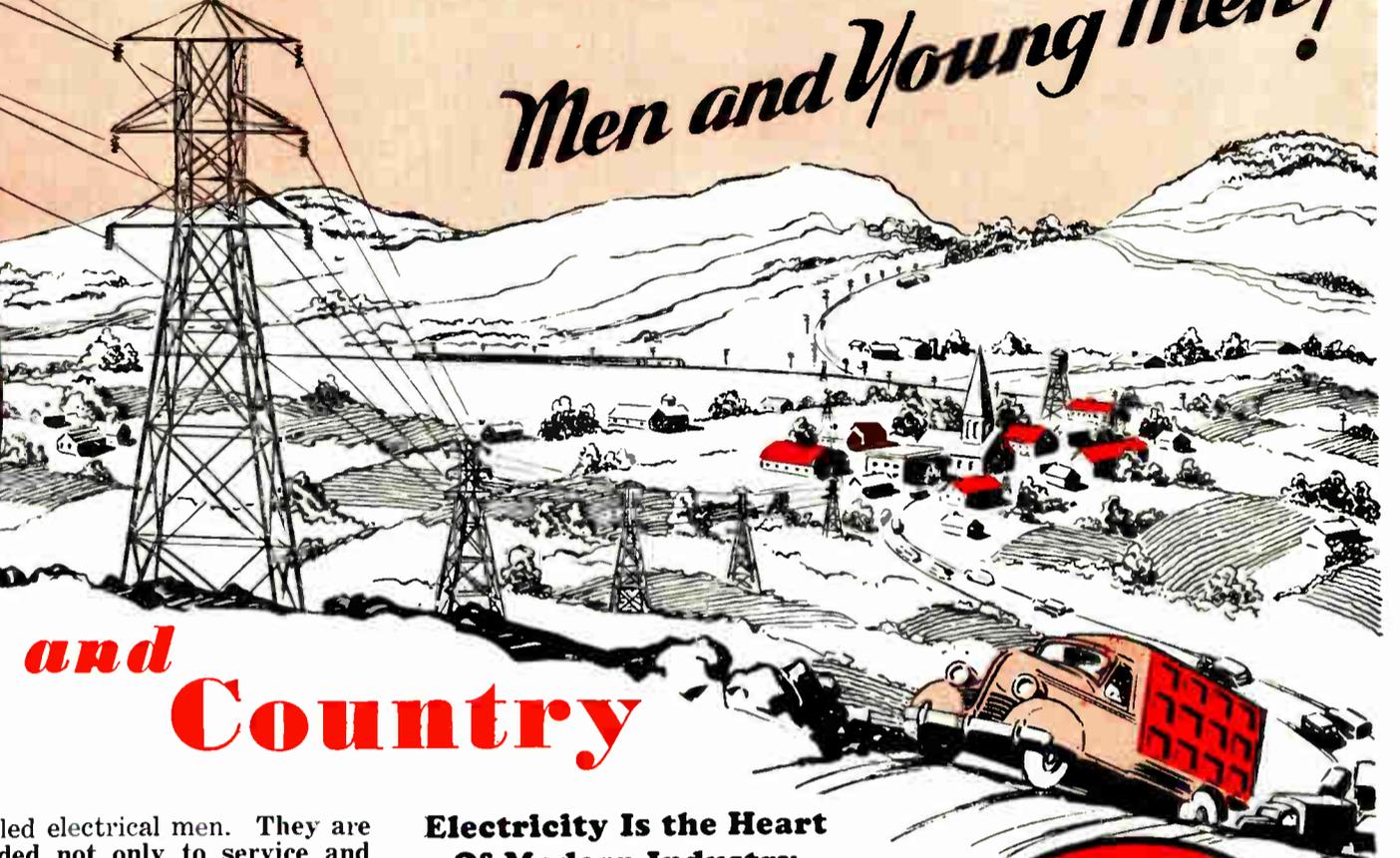
**BUT I WANT TO EMPHASIZE THIS POINT**—the man who benefits must have more than just a smattering knowledge of a few branches. He must be trained in the principles and fundamentals of the field and he must have practical training and experience with real ELECTRICAL equipment.

Here at Coyne you get this training. You are given the training that will give you what you need for a real successful future, full of opportunities in an interesting, fascinating field.

However, how much a fellow profits from these many opportunities depends to a great extent upon himself. To the fellow who merely dreams about them and does nothing, they will bring no returns. But to the fellow who prepares himself with an all-around training in ELECTRICITY, there should be, in this great field, the interesting and profitable future he has pictured and planned for himself.

[ 31 ]

World Radio History



ting . . . tie-stations, sub-stations, transmission and distribution systems . . . electric interlocking, centralized traffic control, highway crossing protection . . . general power and lighting circuits, equipment installation and repair are some of the jobs that require trained electrical workmen on a railroad.

### Textile Industry

**T**EXTILE Companies with plants all over the country employ thousands of trained electrical workers to service and maintain their lighting systems . . . motors of various types and sizes . . . controls . . . and to operate and maintain their own power plants.

### Electricity and Electronics Vital to Modern Developments

**E**LECTRICITY and Electronics are used on Land, Sea and Air—they are vital factors in modern developments in science and mechanics—they play a vital role in the development of Atomic Energy. Industrial Electronic devices are performing almost unbelievable feats in manufacturing processes and other applications.

### Automobile, Truck, Tractor and Aircraft Plants

**T**HE automobile and aircraft industries are other fields that offer many opportunities to

# There's a Steady Demand for COYNE GRADUATES

## Here Are A Few Of The Well Known Companies That Have Employed Coyne Graduates

Southern Bell Telephone Company  
Delco Light Company  
Iowa Nebraska P. & L. Company  
Norge Corporation  
Montgomery Ward & Company  
Bethlehem Steel Company  
Public Service Company of Illinois  
International Harvester  
Santa Fe Ry. Company  
Libby-Owens-Ford Glass  
Detroit Edison Co.  
Sears Roebuck Co.  
Carnegie Illinois Steel Co.  
Chrysler Motor Co.  
Ohio Edison Co.  
Sinclair Refining Co.  
Inland Steel Co.  
Duke Power Co.  
Wisconsin Hydro-Elec. Co.  
Fairbanks-Morse Co.  
Utah Power & Light Co.  
DuPont Cellophane Co.  
Rural Elect. Adm.  
Ill. Bell Telephone Co.  
General Electric Co.  
Pennsylvania R. R. Co.  
Western Electric Co.  
General Motors Corp.  
York Ice Machine Corp.  
Standard Oil Co. of N. J.  
A. C. Spark Plug Co.  
Westinghouse Elec. & Mfg. Co.  
Commonwealth Edison Co.  
Western Union Tele. Co.  
Tennessee Eastman Corp.  
Firestone Tire & Rubber  
Caterpillar Tractor Co.  
Consumers Power Co.  
Union Elec. Lt. & Power Co.  
Penna. Power Co.  
United Motor Service  
Public Service Co. of No. Ill.  
United Airlines Co.  
American Can Co.  
Allis Chalmers Co.  
Buick Motor Co.  
American Air Lines  
Tenn. Valley Authority  
Cutler Hammer Elect. Mfg. Co.  
American Hard Rubber Co.  
United States Coal Corp.  
National Carbon Mfg. Co.  
Douglas Aircraft Corp.  
Martin Aircraft Corp.  
Curtiss-Wright Aircraft Corp.  
Republic Steel Corp.  
Wheeling Steel Corp.  
General Tire & Rubber Co.  
Shell Petroleum Corp.  
Central Electric & Telephone Co.  
Goodyear Tire & Rubber Co.  
Virginia Public Service Co.  
Georgia Power Co.  
Alabama Power Co.  
Southern Elec. Equipment Co.  
Ohio Power Co.  
Florida Power & Light Co.  
Southern Kraft Corp.  
Aluminum Corp. of America  
Wincharger Corp.  
Electro-Motive Corp.  
Continental Can Co.  
Armour & Co.  
Finstel Metalurgical Corp.  
Youngstown Sheet & Tube Co.  
International Bus. Machines Corp.  
Arkansas Power & Light Co.  
Washington Water Power Co.  
Michigan Public Service Co.  
Wagner Elect. Company  
Louisville Gas & Electric Co.  
Oklahoma Gas & Electric Co.  
Union Electric Light & Power Co.  
Public Service Co. of Indiana  
Noblitt Sparks Industries  
P. R. Mallory Co.  
Stewart Warner Co.  
Anaconda Copper Co.  
Great Lakes Steel Corp.

## Every Big Industry Needs Properly Trained Electrical Men

AS I have said before, many fellows sometimes get the impression that Electrical jobs exist only in Electrical Concerns such as Light and Power Companies, Electrical Manufacturers, etc. This is far from true.

Many thousands of trained Electrical Men are employed in good paying jobs with concerns that do not specialize in electrical products at all. Almost every business concern, large or small, uses Electricity in some form or other.

Various industries such as MINES, STEEL MILLS, SHIP YARDS, TEXTILE MILLS, AUTOMOBILE AND AIRCRAFT PLANTS, and concerns such as OFFICES, STORES, HOTELS, THEATRES, GARAGES, etc., employ thousands of trained Electrical Men to maintain the vast amount of Electrical equipment they need.

Every important ship is provided with a complete electric power and light system of its own.

Millions of dollars are spent each year for RURAL ELECTRIFICATION. The modern farm uses a variety of electrical motors, controls, lights and other electrical equipment that needs the services of a trained Electrical man.

These examples represent only some of the many opportunities in Electricity, but after reading about them, I'm sure you must agree with me when I say that OPPORTUNITIES FOR THE ALL-AROUND TRAINED ELECTRICAL MAN EXISTS IN ALMOST EVERY INDUSTRY AND LOCALITY.

## Many Opportunities For a Business of Your Own

IN addition to the scores of interesting jobs that the Electrical field offers, COYNE TRAINING ALSO PREPARES STUDENTS TO GO INTO BUSINESS FOR THEMSELVES AND BE INDEPENDENT AS THEIR OWN BOSS.

*I don't know of any other field that offers a fellow greater opportunities for establishing a business of his own.*

Many Coyne Graduates have opened up a business of their own with only a small working capital and made a success as Contractors, Appliance Dealers and Owners of Service and Repair Shops. As a Coyne graduate, you may find your opportunity in a business of your own.

AN OUTSTANDING FEATURE OF COYNE TRAINING IS THE BUSINESS SERVICE OFFERED TO EVERY GRADUATE AS DESCRIBED ON PAGE 28.

## You Are Trained in Many Branches of Electricity

NOW, I have given you just a few examples of the various industries for which the training you get here at COYNE prepares you.

But we do not stop when we have given you the training you need for work in this great field. We back you up with Employment Service for life and then we don't stop even after you have become located in a job, but through our Consultation Service, review privileges and other features of our Graduate Department which I tell you about on page 29, we want to help you build yourself up in that job, increase your success and make it as great as we can.

## Read What These Employers Say About These Graduates

"We are in need of a man to act as foreman of our armature winding department . . . we have several of your graduates working for us at the present time and have been very much pleased with the work they are doing for us."—A Midwestern Manufacturing Plant

★

"Will you please send me a list of students who graduated from your school in the past 6 months . . . I am very interested in securing one of your graduates for employment, as I know of the high quality and standard from past experience."—A Southern Auto and Appliance Company

★

"Thank you for your letter and material concerning the COYNE GRADUATE EMPLOYMENT SERVICE.

"We are pleased with the graduates of your school who are now in our employ, and we would like to have our Company placed on your standing list to have Graduates from this area referred to us. Our office building, picture of which is enclosed, is located on the corner of Fourth and Main Streets and is open Monday through Friday, from 8:00 a.m. to 5:00 p.m.

"We appreciate the consideration you have shown our Company."—A Large Southeastern Industrial Plant

★

"Mr. Glen Golden, temporarily employed by us on new automatic rotary converter and mercury arc rectifier substation construction, is giving very satisfactory service. He is a skillful and conscientious workman and has given entire satisfaction in every respect.

"It is very pleasing to us to be able to give such an excellent report on one of your students. It is evident from the ability of this man that your course of instruction is of very high character."—A Western Railroad Company

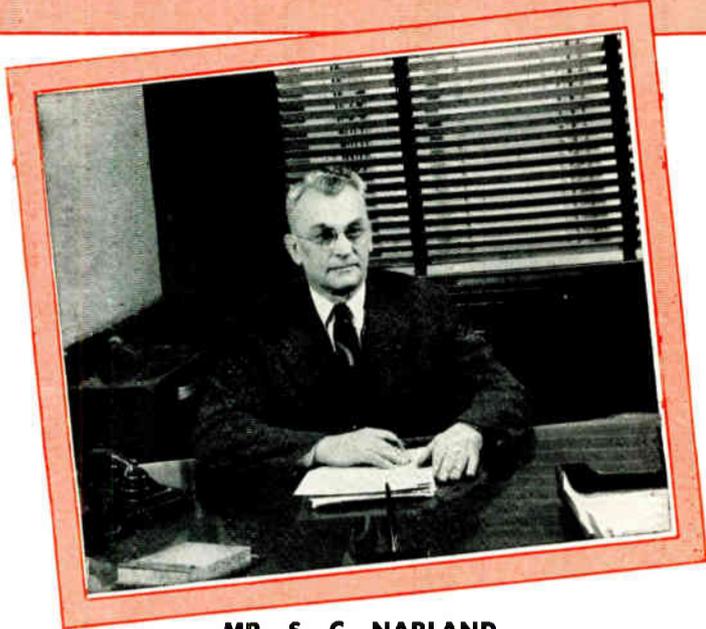
★

"We have recently promoted two graduates of Coyne Electrical School to supervisory positions in our Electrical Department . . .

"We feel that you would welcome such information and that your students would naturally appreciate learning of instances of success on the part of other individuals who have successfully completed electrical courses."—A Large Steel Company in Middlewest

Names of these concerns will be furnished on request.

# Here are the ANSWERS TO YOUR QUESTIONS



MR. S. C. NARLAND

by **MR. S. C. NARLAND**  
VICE-PRESIDENT and GENERAL MANAGER

Throughout this book, we have tried to answer every question you would probably want to ask, but we want you to feel free to ask any other questions you may think of. Also, if our explanations are not perfectly clear to you, don't hesitate to write. We want you to thoroughly understand everything about our school.

Sometimes a fellow has a problem that's different from any other fellow's. So, if you have any problem at all, don't hesitate to discuss it; if it's of a confidential nature, it will be kept confidential.

Mr. Narland's many years of experience in the Educational field, of which more than 25 years have been spent here at Coyne, has given him an exceptional understanding of school operations and the needs of students. You will find him ready and willing to answer any questions you may have as a Coyne Student, just as he is now ready and willing to answer any questions you may have in mind before coming to school.

**1. Do you employ salesmen?**

Absolutely not! We want the story of Coyne to come direct to you from us. If we were to employ salesmen, we would have to pay them a large commission and in the end our students would have to pay more for our training. We prefer to pass this saving on to our students.

**2. When is the best time to enroll?**

Our school is in session all year. In addition to the individual, practical shop training here at Coyne, there are some very important instructor's lectures and equipment demonstrations, including sound motion pictures, which must naturally be given in logical sequence. So every student can start at the beginning of a period and get this training in logical sequence. WE HAVE A DEFINITE SCHEDULE OF STARTING DATES. New students are started on scheduled Starting Dates as shown on our Starting Date Schedule.

**3. What do you mean when you say "Practical Training?" Does it mean you do not teach theory?**

This is a question that is asked very often. When you went to public school, or if you ever enrolled for a correspondence course—practically all of your work was out of text books. Our instruction, however, is on actual Electrical equipment and the theory the student needs is given by practical lectures, blackboard sketches, films and equipment demonstrations. And of course you have your own notes to refer to. COYNE IS PRACTICAL, BOTH IN PRACTICE AND THEORY, and every student is furnished specially prepared text material that will be valuable to him both as a student and after he is a graduate.

**4. Is your building modern and fire-proof?**

Absolutely; our building is of modern steel and concrete construction, light on all sides and ventilated. We occupy every foot of the building for our own use.

**5. Is your building centrally located?**

Only a few minutes from the loop and still right in the heart of the Electrical Industry. Chicago is one of the world's greatest Electrical centers.

**6. What does your course cost?**

Prices and terms are given on our Advance Enrollment Blank.

**7. What are your educational requirements?**

All we require is that a fellow have a common school education. While some of our students have a high school education, many others have not. If you have had grade school education, you should be able to master Coyne Training.

**8. Do I need previous experience?**

No! Previous experience in Electricity is not necessary and many of our students have had little or no previous experience. On the other hand many of our students had been working in Electricity—some of them for years—but they found their knowledge of the field was not broad enough—they had a knowledge of certain branches only—they lacked all around training. They have come to Coyne and then with the knowledge they may have had before PLUS Coyne training, they were equipped for better jobs.

**9. What are your age limits?**

We have students as young as 16 years of age. I have always believed the fellow who decides what he wants to do early in life and follows through while he is young, has a big advantage. Many of our students are much older and some are as old as 40. These fellows have learned they should have gotten a training when they were younger, but when they realized they needed a training they didn't let the fact they neglected it when they were young stop them. They CAME TO COYNE AND BECAME TRAINED MEN AND MADE GOOD, even though they had wasted time before. It's not how young or how old you are, but what you should know and can do that counts.

**10. Do you grant a diploma?**

Yes, a diploma is issued to every student upon satisfactory completion of his course.

**11. Do you always have the same equipment shown in your catalog?**

As a rule, we do, however, some changes may occur in the field of Electricity that we believe would be of more advantage to a student. In this case, we occasionally change a particular section of a Department. However, this is never done unless our Staff feels sure it is going to benefit the student more.

**12. Can a student take extra time if he needs it?**

Yes, While the majority of our students are able to complete the course in the prescribed time, some students may need to repeat the work in a department.

Naturally, it is impossible for us to tell a student in advance if he might need additional time. However, there is no extra tuition charge if a student repeats the work in any of the departments in his course.

**13. Will I live near the school?**

Most of our rooming houses are within walking distance of the school, although in some cases we are obliged to use rooming houses a mile or so from the school. In any case we will

always do our best to get you a room as near the school as possible. Also, the Y.M.C.A. is within walking distance, and some students live there.

**14. What should my expenses be?**

It is possible for our students to get comfortable living quarters and wholesome meals at a low cost as explained in the literature I am sending you with this catalog. Then, laundry should not run more than a dollar a week or so. All tools are loaned to you at no extra charge.

**15. Do you have facilities for students with physical disabilities?**

Yes! See page 28 for further information regarding our facilities for students with physical disabilities.

**16. Do you give courses by mail?**

NO! ALL COYNE TRAINING is given here in our big training shops in Chicago. We do not teach by mail. Neither do we have you study printed lessons at home for a part of the course and then have you come here for a short period for a smattering of practical work. ALL OF YOUR TRAINING IS GIVEN HERE IN OUR CHICAGO SHOPS.

**17. Do your students go to church?**

This, of course, is optional with the student. We do not attempt to influence anyone to go but we feel if you go to church at home, you will want to go here. There are churches of many denominations right in our neighborhood and our Welfare Department will see that you get acquainted in the church you care to attend.

## SPECIAL SCHOOL INFORMATION

**Reports**—Reports of student's progress and conduct will be sent to parents or guardian regularly, if requested.

**School Hours**—The shops are in session every day in the year, except Saturdays, Sundays and Legal Holidays. There are 7 hours school work each day.

**Clothing**—You don't need to dress up. Many of our students wear work slacks, overalls, or an old pair of trousers and a work shirt while they are getting their training.

**Money**—We supply students with deposit privileges at the office. Money deposited with the School Cashier may be drawn during school banking hours. In coming to school, don't bring cash or a personal check. Get a cashier's check or traveler's check at your bank; or an Express or Post Office money order.

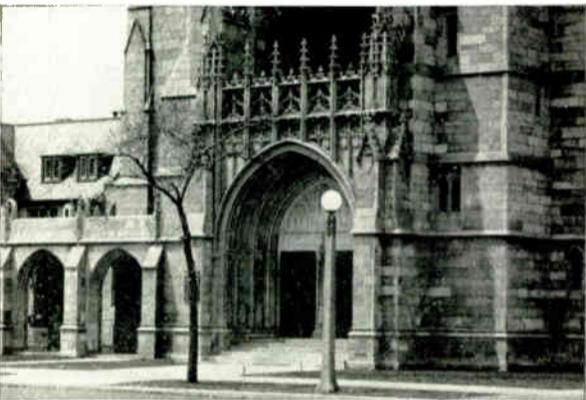
# Everything has been arranged at **COYNE** for Your **COMFORT** and **WELFARE**



**THE Y. M. C. A.**, just a few blocks away, offers full gymnasium and swimming privileges to Coyne students at special low rate.



**EXPERT HEALTH CARE** is provided for all Coyne students, with a trained nurse in regular attendance. A well equipped clinic is located at the school.



**NEARBY CHURCHES EXTEND A WELCOME.** Whatever your religion, you will find a church of your choice convenient to Coyne. Church attendance is purely voluntary among our students.



**BROOKFIELD ZOO.** You'll enjoy visiting this great zoo where wild animals live in their natural surroundings. Easily reached from Coyne by bus or street cars.

**T**HE Welfare Department plays an important part in COYNE School Life. The minute you arrive you feel that you are among friends. Coming to COYNE from a distant town, you are immediately impressed with the friendly atmosphere of your new surroundings. Parents may feel assured that their sons will have the best of care at all times.

## **MAKING YOU FEEL AT HOME**

Our Welfare Director is one of those fine, kind, warm-hearted men you enjoy meeting and knowing; nothing stiff or formal about him and no problem is too small or trifling to get his attention, no matter how busy he is or what he is doing.

You will find that every effort has been made to keep you comfortable during your stay with us. You will be surprised that little things you probably would never have thought of yourself have all been planned out and taken care of for you.

## **RECREATIONAL FACILITIES**

Then, as you know, Chicago is one of the greatest cities in the world for outdoor sports. In the summer, if you like baseball, you can visit either the White Sox or Cubs' grounds.

There are swimming and hundreds of other good, clean recreations. In the fall the biggest football teams in the country play here. Then in the winter there is skating in the Parks, Theatres and great athletic contests going on continually. The Sightseeing Busses, Stockyards, Field Museum and hundreds of other buildings and places of interest afford a fellow hours of good clean recreation at little or no cost without sacrificing any of his school work.

## **LIVING ACCOMMODATIONS**

When you arrive at COYNE and complete your enrollment, we will help you get suitable living accommodations. Student rooms are located in houses that have agreed to reserve rooms for COYNE students and some of them take no one but COYNE students. Then within five minutes' walking distance from the school is the Y.M.C.A. where some students like to stay.

If you come with a friend and want to room with him, that too can be arranged. Or if you have friends or relatives in Chicago, with whom you could stay, that will be satisfactory, because COYNE is so convenient to transportation and can be quickly reached from any part of the city.

The Y.M.C.A. is just a few blocks from the school and our students may join while here at a special low rate. There are occasional events given by the Y.M.C.A. and many athletic activities to interest those who like athletics. This membership affords opportunity for full gymnasium and swimming privileges.

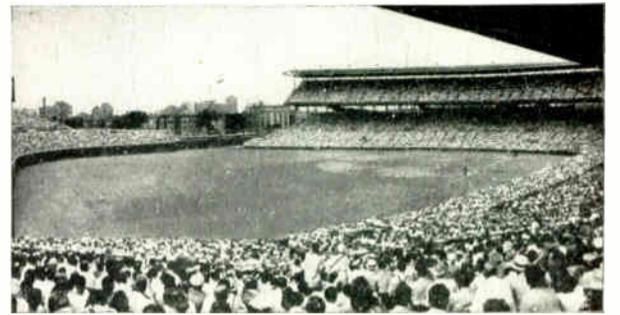
## **A Letter from a Mother**

"Thanks to Coyne School for all the great success our boys have met with.

May God continue to bless you and your work. I can tell one and all, Coyne is the best school for the young boy to start. If I had other boys, I, as their mother, would advise them to go to Coyne . . .

From the mother of those three boys of whom she feels so proud."

MRS. W. C. EDWARDS, North Carolina.



**BIG LEAGUE BASEBALL.** The famous "Cubs" and the hustling "White Sox" play here all season. You can see all the great stars.



**BATHING BEACHES.** Chicago has 25 miles of beautiful sand beaches along Lake Michigan. Here is Oak St. Beach, on the "Gold Coast."



**BOAT TRIPS.** Lake steamers make daily trips to Michigan or Wisconsin ports and return—an inexpensive, delightful outing.

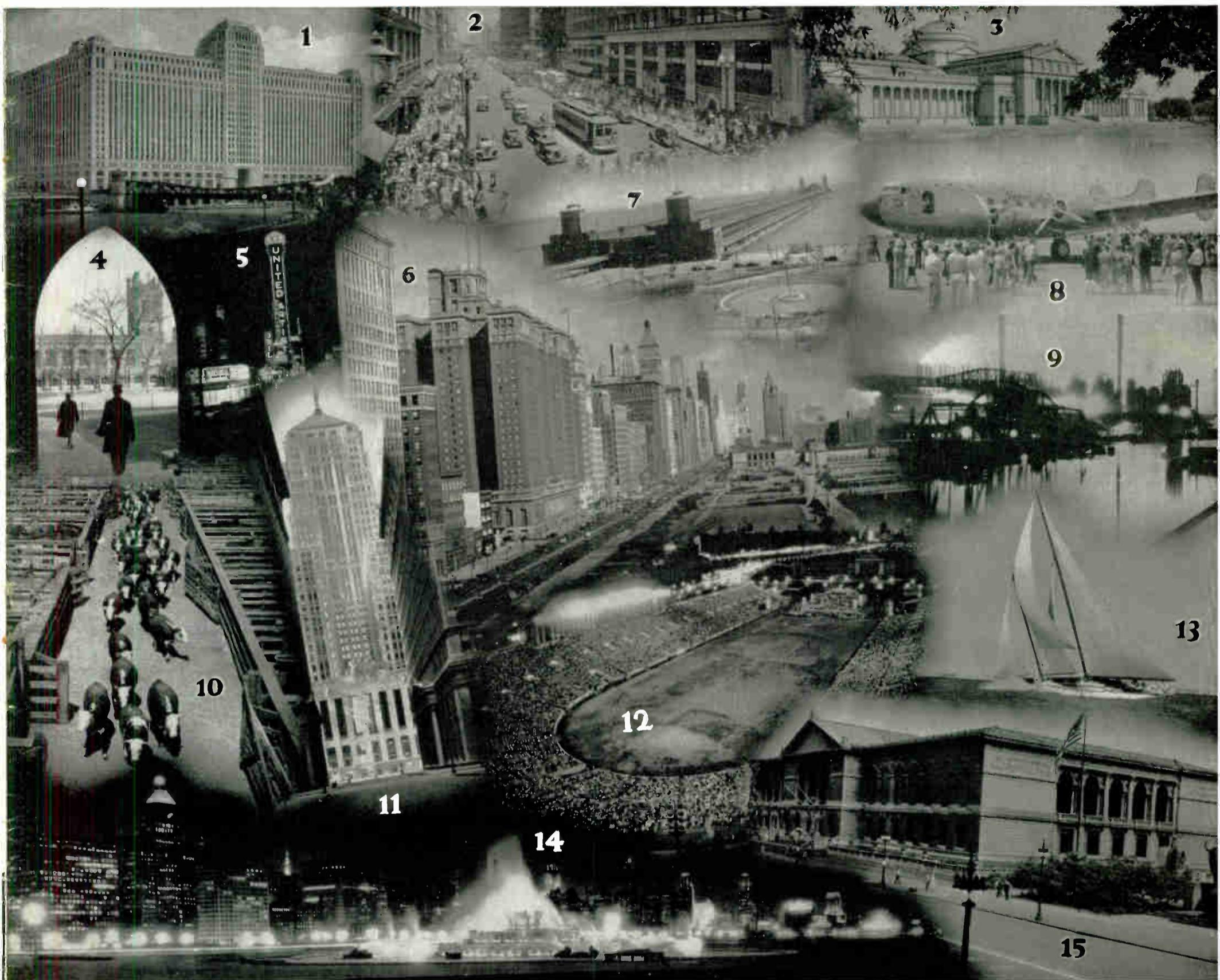


**WINTER SPORTS.** Ice skating is popular on the big park lagoons. If you come during the winter, bring your skates along.



**SCHOOL ENTERTAINMENT:** The above photo shows Mr. Cooke extending a greeting to students and their friends at a typical Coyne party and entertainment.

# CHICAGO.. *the Wonder City*



## **This Composite Photo Shows Some of the Many Attractions You'll See**

*Start at the Upper Left Hand Corner and Take a "Picture Tour" of a Few of the Features That Make Chicago America's Wonder City*

1. The Merchandise Mart, world's largest business building.
2. View of State Street, home of Marshall Field and other great stores.
3. Museum of Science and Industry in Jackson Park, full of fascinating displays where groups of our students are often taken.
4. Looking through an arch toward the Campus at world-famous University of Chicago.
5. Theater signs along Randolph Street, Chicago's noted "Rialto."
6. View north along Michigan Avenue, showing Grant Park and the Lake Front, with the Stevens Hotel, the world's largest, shown at the left.
7. The mile-long Municipal Pier.
8. Interested spectators at the Chicago Municipal Airport.
9. (Below) Night view of the South Chicago steel mills.
10. The Chicago Stock yards, location of the large meat packing industries.
11. The Chicago Board of Trade, heart of the nation's grain industry.
12. A night-time spectacle at Soldier Field, located near the site of the 1933 Chicago World's Fair.
13. Sailboating on Lake Michigan.
14. Magnificent Buckingham Fountain, looking toward the Chicago Skyline at night.
15. The Art Institute, where many of the world's greatest paintings, by renowned artists, are exhibited.

# Don't Wind Up In a "ONE-OPERATION" Job!

**A**S I go through life, I meet so many men that are failures, men who from all appearances should have been successful.

In almost every case, one thing in their life stands out above everything else. They never had a definite goal in life.

They started out in life with no idea of what they wanted to follow. They were anxious to get a job. No particular job except one, as they put it, "that offered them a future."

Well, when a fellow looks for a "job" and is willing to take anything that, as he says, offers him a future, right then and there, I believe, he is admitting he has no aim in life. HE IS REALLY SAYING, "I haven't the slightest idea what I want in life but I'll try this and if it fails, I'll try something else."

Well, this fellow very rarely ever succeeds and as he fails in one place and goes to another and finds it no different, then he begins to feel there isn't much opportunity for him.

This fellow may go from one job to another, or he may, in many instances, stick to the first job he got, or even worse, he may be out of work most of the time. In EITHER EVENT THE YEARS ROLL ALONG AND HE HAS MADE NO PROGRESS. In the meantime, he may have gotten married and have a wife and children to support. By this time he has responsibilities that require the income from a good job to meet. The job he has may come a long way from supplying this income, but by this time he may not be able to do the thing which might have been easy before.

Yes, I have met many men in my life that come under this class—so have you; you will find them any place you go.

Then too, a fellow may take some "ONE-OPERATION" job in good times that may pay him a good salary just because of unusual conditions.

Then when things slow up he may find the job he has held, and which paid him a pretty good salary, BECAUSE OF THESE CONDITIONS, WILL NO LONGER EXIST.

THIS FELLOW WAS NOT THINKING OF HIS FUTURE—he was only thinking of the present.

IF HE HAD BEEN THINKING AHEAD HE WOULD HAVE PREPARED HIMSELF BY TRAINING TO HOLD A GOOD JOB IN GOOD TIMES—That WOULD STILL BE A GOOD JOB IN BAD TIMES.

There's a big difference in jobs—as far as a fellow's future is concerned! Some jobs pay fairly well at the start, but as time goes on, the pay stays just about the same. They offer little if any chance for a man to get ahead.

These are the "one-operation" types of jobs where you do one particular thing over and over again. They have practically no future because it's easy to get somebody else to fill your shoes.

On the other hand, certain jobs call for special training. A man who can measure up to the needs of such a job is mighty hard to replace. That's why his earnings keep going up and up. That's why he enjoys steady work, in good times and hard times.

## Your Future Should Be Carefully Planned

**W**HEN a man builds a house, he must first get plans for that house. These plans show the workmen step by step how they are to proceed. By following these plans, that man will eventually have a home that was planned and laid out even before one minute's labor was spent in building it.

When a fellow starts out in life, HE TOO SHOULD MAKE HIS PLANS. He should FIRST SELECT THE FIELD he wants to follow. Then he should plan the course he must follow in order to arrive at the goal he has set in his chosen field.

When he has selected a field of work, he must never let anything swerve him from that goal. HE SHOULD FIRST OF ALL PREPARE HIMSELF BY TRAINING HIMSELF TO ENTER THAT FIELD.

THAT FELLOW WILL HAVE CHARTED HIS COURSE and have a definite aim in life. That is the fellow who will make a success in life and be one of the few who stand out in his own community as the one who has made a success.

Later on when that fellow has become successful, a lot of people may say he was lucky, or "he is no smarter than I am, yet he was successful, and I am not." Well, the chances are that he isn't any smarter than the failures WITH ONE EXCEPTION.

HE WAS SMART ENOUGH TO MAKE A DEFINITE DECISION. He made a plan and he FOLLOWED THROUGH UNTIL HIS PLAN WAS COMPLETED. That is probably why he is successful, while the other fellow, who had just as much ability but failed to prepare himself, is a failure in life.

Now, I've spoken of the young fellow starting out in life. Well, there are a lot of fellows that may have started years before with no goal in



life. He has jumped from one thing to another. He may be 21 years old—25 years old or even older. This fellow should not lose hope even if he has lost valuable time. He can still get ahead and make good, if he makes up his mind he isn't going to lose any more time.

This fellow should say to himself, "I've wasted a lot of time but I'm not going to waste any more, I'm going to get started now."

If he does he can make good and make up for the time he's lost and be a successful man with a real future before him.

## There Are Many Opportunities for Young Men and Older Men in the Field of Electricity

**W**HILE it's true that the best time for any fellow to prepare for his future is when he is young, still because a fellow is older this doesn't deprive him of success by any means. I could tell you of many fellows past the age of 30 who came to COYNE and are successful graduates today and making good in Electricity. These fellows didn't think they were too old and they didn't let their age stop them.

Our students range from 16 to 40 years of age. Just because a fellow may not have been successful before is no reason why he can't be successful when he is older, if he will prepare himself.

Tremendous opportunities lie ahead for men between 16 and 40, who can see what the future means.

Can you picture what this means in the months and years ahead? Can you see the untold opportunities ahead for the fellow who sees this picture today? MEN WHO ARE TRAINED—young men and older men will be needed to supply the man power of perhaps the greatest industrial boom America has ever known.

Now, I've brought out some mighty important facts, facts that can mean a lot if you will heed them. I don't believe you are a fellow who is going to be satisfied to sit by and watch the other fellow be the only one who profits from opportunities ahead.

I believe you recognized these facts when you asked for information about our school. I feel you also recognized the opportunities these conditions will bring in the Electrical Field.

Right now you may be tied down to a "One-Operation", no future job because you have not had the chance to prepare yourself for the better jobs, the jobs with an assured future.

If so, HERE IS YOUR OPPORTUNITY. The training you need is all planned and ready for you in the Great Shops of Coyne.

Don't let another day go past without taking action! Make up your mind that you can leave that blind alley job! Arrange now to come to Coyne. JOIN THE THOUSANDS OF MEN WHO HAVE FOUND COYNE THE QUICKER AND EASIER WAY TO PREPARE FOR A WORTHWHILE PLACE IN THE GIANT FIELD OF ELECTRICITY.

*Training Men and Young Men Since 1899*



## Decide *NOW*... for That Future You've Always Wanted!

**W**E HAVE come to the end of this book. But let it be just the **BEGINNING** of a lifetime of success for you!

Right now you are probably saying to yourself: "Coyne Training is exactly what I need! I know I can't get one of those better jobs in Electricity without practical shop training. And where else can I find a school with the outstanding reputation of Coyne, which has been helping men get ahead for nearly half a century? That Coyne "Learn-by-Doing" method surely looks like the quickest, easiest, surest way to prepare for my future. Yes, I'm really **SOLD** on Coyne!"

Thousands of men and young men have had those same thoughts after reading this book. They have become enthusiastic about Coyne Training—have seen what it would mean to themselves to be Coyne graduates.

Some of these fellows acted at once. They

didn't let lack of experience or lack of money hold them back. No sir! They and their folks talked it over, and **ACTED**. These "do-ers" enrolled at Coyne, got their training, and were out in the field working on real jobs with a real future—while other fellows were still putting it off.

So I say to you: It isn't how ambitious you are, or how much you want Coyne Training. It's what you **DO** about it that counts!

The decision is up to you. The training, personal help and services that brought more money and greater opportunities to men just like yourself, are now offered to **YOU**. Our entire staff is here to help you. All our vast layout of Electrical equipment is ready for you to work with.

A hearty welcome awaits you at the Great Shops of Coyne in Chicago—your gateway to success in Electricity! Decide to send your enrollment blank today!

*Bee Cook*  
President

**COYNE ELECTRICAL SCHOOL**  
500 SOUTH PAULINA STREET CHICAGO 12, ILLINOIS

**GET READY QUICKLY**

**FOR THE BIG**

**OPPORTUNITIES in**

# **ELECTRICITY**

**... Start Training**

**NOW in the**

**GREAT SHOPS of**

# **COYNE**

**IN**

# **CHICAGO**

# COYNE TUITION PLAN SHEET

This "Tuition Plan Sheet" explains our two tuition payment plans—the Cash Plan and the "Pay After Graduation" Plan—for our Practical Electrical Course, our Electrical Technicians Course and the Combination Electrical and Radio Course.

## HERE ARE THE REQUIREMENTS OF OUR "PAY AFTER GRADUATION" PLAN

The requirements of our "Pay After Graduation" Plan are very simple. The plan calls for a down payment as outlined below. The tuition balance is then arranged on a note to be signed by yourself and one other person as a co-signer. This note is then payable in small monthly payments beginning two months after your required training period is over.

You may submit anyone who is 21 years of age and has a good standing in the community as a co-signer. This can be, for example, your father, or if your father is not living, you may submit your mother as co-signer. Or you may submit some other relative or friend—it may be a brother, uncle, or other relative. If your parents are not living, you may submit your Legal Guardian as your co-signer.

## THIS IS WHAT YOU DO TO ENROLL ON THE "PAY AFTER GRADUATION" PLAN

You simply fill in the ADVANCE ENROLLMENT APPLICATION BLANK including the "PAY AFTER GRADUATION" PLAN APPLICATION on page 3 and mail it to us together with your Advance Enrollment Fee of \$25.00. This \$25.00 will be considered as part of your down payment and the balance of your down payment is then paid when you enter school.

Your "PAY AFTER GRADUATION" PLAN APPLICATION will be acted upon by the Student Finance Department of the school and when it has been accepted, a tuition note, made out for the balance of your Tuition, will then be sent you to be signed by yourself and your co-signer. You then bring this note with you when you come to school.

Naturally, we reserve the right to reject any Application if we do not feel it meets with our requirements, but should we do so, every cent you have paid will be returned to you at once.

Do not come to school on the "Pay After Graduation" Plan before submitting your Application as outlined here and you have been notified that everything is ready. Your Application should be sent to us at least 30 days before the date you want to start school. When your Application has been received and all arrangements have been made for you to start school, you will be notified and the tuition note will be sent you as outlined above.

### "PAY AFTER GRADUATION" PLAN FOR PRACTICAL ELECTRICAL COURSE

The PRESENT TUITION RATE on the "Pay After Graduation" Plan for the Practical Electrical Course including our training in Electric Refrigeration is \$299.70.

This calls for a down payment of \$65.00 which means that after having sent in your Advance Enrollment Fee of \$25.00, there will be a balance on your down payment of \$40.00 for you to pay when you enter school. The tuition balance of \$234.70 is then arranged on a note as outlined above. The first payment on this tuition note will not be due until six months after you actually start school. You then pay it in small payments of only \$23.47 per month for 10 months.

### CASH TUITION PLAN

The PRESENT CASH TUITION RATE for the Practical Electrical Course including our training in Electric Refrigeration is only \$264.70, which means that you save \$35.00 on this plan. In order to enroll on the Cash Plan, you fill out page 1 of the Advance Enrollment Application Blank. It is not necessary to fill out page 3. You then send your Application to us together with your Advance Enrollment Fee of \$25.00. Then when you come to school, you pay the remaining balance of only \$239.70.

### "PAY AFTER GRADUATION" PLAN FOR ELECTRICAL TECHNICIANS COURSE OR PRACTICAL COMBINATION ELECTRICAL AND RADIO COURSE

The PRESENT TUITION RATE on the "Pay After Graduation" Plan for the Electrical Technicians Course of 30 weeks or the 30 weeks Combination Electrical and Radio Course including our training in Electric Refrigeration is \$491.00.

This calls for a down payment of \$120.00 which means that after having sent in your Advance Enrollment Fee of \$25.00, there will be a balance on your down payment of \$95.00 for you to pay when you enter school. The tuition balance of \$371.00 is then arranged on a note as outlined above. The first payment on this note will not be due until eight months after you actually start school. You then pay it in small payments of only \$30.92 per month for 12 months.

### CASH TUITION PLAN

The PRESENT CASH TUITION RATE for the Electrical Technicians Course of 30 weeks or the 30 weeks Combination Radio and Electrical Course including our training in Electric Refrigeration is only \$441.00 which means that you save \$50.00 on this plan. In order to enroll on the Cash Plan you fill out page 1 of the Advance Enrollment Application Blank. It is not necessary to fill out page 3. You then send your Application to us together with your Advance Enrollment Fee of \$25.00. Then when you come to school, you pay the remaining balance of only \$416.00.

## WHY YOU SAVE ON THE CASH PLAN

A substantial saving is made possible when a student pays his tuition in cash, because we are able to eliminate the expense of handling payments over a period of several months. Naturally, we pass this saving on to the student and that is why you can save by paying your tuition in full.

Many fellows who are short of the necessary funds prefer to borrow at home. Many times friends or relatives are glad to help a fellow in this way. If YOU would rather do this, that is perfectly all right. The important thing is—DON'T DELAY YOUR TRAINING. CHOOSE THE PAYMENT PLAN THAT WILL BRING YOU TO COYNE QUICKLY!

**SPECIAL NOTICE!** Many students who pay cash prefer to send the full tuition in advance of their arrival. This makes it unnecessary to carry excess funds while traveling to Chicago. You can pay the full amount in advance if you care to.

# ADVANCE ENROLLMENT APPLICATION BLANK

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## ELECTRICAL COURSES

COYNE ELECTRICAL AND RADIO SCHOOL  
500 South Paulina Street  
Chicago 12, Illinois

Date.....

I am sending this Enrollment Application Blank together with my Advance Enrollment Fee of \$25.00 to RESERVE ALL THE FEATURES OF YOUR PRESENT TUITION OFFER which entitles me to your Practical Electrical Course including your training in Electric Refrigeration at the present TUITION PRICE of \$264.70 on the Cash Plan or \$299.70 on the "Pay After Graduation" Plan.

I also understand that if I enroll for your Electrical Technicians Course or the Practical Combination Course as outlined in your circular, I am to get it at your PRESENT TUITION PRICE of \$441.00 on the Cash Plan or \$491.00 on the "Pay After Graduation" Plan.

I understand that if I enroll on the Cash Plan, this deposit will be credited as a part payment on tuition and I can pay the balance when I enter school. If I enroll on the "Pay After Graduation" Plan, this \$25.00 Advance Enrollment Fee will be credited as part of my down payment and the balance of my down payment can be paid when I enter school and the balance of my tuition arranged on your "Pay After Graduation" Plan as outlined on the "Tuition Plan Sheet" on Page 4 of this Application Blank.

I further understand that if I enroll on the G. I. Bill of Rights, this \$25.00 Advance Enrollment Fee will be credited to my personal account to draw on for personal expenses while at school.

You agree to have your Employment Department ASSIST ME TO FIND PART-TIME WORK if I need it while at school and to give me FREE EMPLOYMENT SERVICE FOR LIFE AFTER I GRADUATE, AS OUTLINED IN YOUR CATALOG.

It is also understood that IF FOR ANY REASON I DO NOT COME TO SCHOOL AND COMPLETE MY ENROLLMENT, YOU WILL RETURN ANY MONEY I HAVE SENT YOU.

I understand that you will notify me if the starting date I select is satisfactory, and I understand that regardless of the plan on which I enroll, I WILL NOT LEAVE FOR SCHOOL UNTIL YOU HAVE NOTIFIED ME THAT MY APPLICATION HAS BEEN ACCEPTED AND THAT THE STARTING DATE HAS BEEN ARRANGED FOR ME. I understand too that if I find it necessary to change my starting date, I will notify you in advance and arrange for a new starting date.

1. Name ..... Town .....
2. Address or R.F.D..... State .....
3. Date of birth..... Height ..... Weight ..... Race ..... Color .....  
(Month) (Day) (Year)
4. Are you single..... Married..... No. of children..... Do you live with parents.....
8. Circle the number of grades completed in Grammar School—1 2 3 4 5 6 7 8
9. If you have attended High School circle the number of years completed in High School—1 2 3 4
10. List special or Correspondence Courses taken.....
11. Give nature of your present or last employment.....
12. Are your eyesight and hearing normal..... If not, please explain.....
13. Do you have any physical disability..... If so, please explain.....
14. Does your disability prevent you from doing any particular kind of work.....
15. Would you need to work part time while attending school.....
16. Check the Course you want:  
PRACTICAL ELECTRICAL TECH- [ ] PRACTICAL COMBINATION ELECTRI- [ ] PRACTICAL ELECTRICAL [ ]  
NICIANS COURSE (30 WEEKS) [ ] CAL & RADIO COURSE (30 WEEKS) [ ] COURSE (15-18 WEEKS) [ ]
17. Check the plan on which you are taking care of your tuition:  
Cash Plan ( ) "Pay After Graduation" Plan ( ) GI Bill ( ) Public Law No. 16 ( ) State Rehabilitation Plan ( )
18. WHAT DATE DO YOU WANT TO START SCHOOL .....

Do not come to school until you have sent in this Application Blank and we have approved your Starting Date and sent you a Starting Date Reservation Certificate.

Please make your remittance payable to Coyne Electrical School. Use Check, Express or Postal Money Order or Cashier's Check.

**IF YOU ARE COMING TO SCHOOL ON THE G. I. PLAN, PUBLIC LAW #346, ANSWER QUESTIONS 1 TO 6 BELOW, IN ADDITION TO THE QUESTIONS ON PAGE 1**

1. Give date of entry into service.....  
Date of discharge.....
2. Have you filed Veterans' Application Form 1950 for your "Certificate of Eligibility"?.....  
Have you received it? Yes  - No
3. Have you already taken training under the G.I. Bill? Yes  - No .  
If your answer is yes, answer following questions:
4. What kind of training have you taken?.....
5. Have you completed this training? Yes  - No   
If not what date will you complete it?.....
6. Have you applied for a Supplemental Certificate of Eligibility in favor of Coyne? Yes  - No   
Have you received it? Yes  - No

*If you have taken or are taking training, you will need a statement from Coyne stating that we will accept you, so be sure to answer all of the above questions so we can send this to you.*

**IF YOU ARE COMING TO SCHOOL UNDER PUBLIC LAW #16, ANSWER QUESTIONS No. 1 ABOVE AND 7 AND 8 BELOW**

7. If you are coming to school under the Veterans' Rehabilitation Act. Public Law #16, have you received your tests and been approved by your local Veterans Administration?  
Yes  - No
8. Give address of local Veterans Administration where you applied for your approval.....

*IF YOU ARE COMING TO SCHOOL ON PUBLIC LAW #16, YOU WILL NEED AN APPROVAL FROM THE REGIONAL VETERANS ADMINISTRATION OFFICE OF YOUR STATE AND ALSO APPROVAL FROM THE VETERANS ADMINISTRATION AT CHICAGO. This means that it is necessary that your records be transferred to the Veterans Administration in Chicago, Illinois, for their Approval. Your local Veterans Administration will need a statement from us saying that we will accept you before they will transfer your records to Chicago. Be sure to answer questions No. 7 and No. 8 so we can send you this letter. Do not come to school under Public Law #16 until you have received official approval from the Veterans Administration in Chicago, Illinois, and a Starting Date Reservation Certificate from us.*

If you want to apply for our "PAY AFTER GRADUATION" PLAN, then IN ADDITION to answering the questions on page 1, it is also necessary to fill out the "PAY AFTER GRADUATION" PLAN APPLICATION BLANK which is on page 3.

*If you are not applying for our "Pay After Graduation" Plan, then you need not fill out this part of Application Blank.*

**"PAY AFTER GRADUATION" PLAN APPLICATION**

I HEREBY APPLY FOR YOUR "PAY AFTER GRADUATION" PLAN. I want your Student Finance Department to arrange to finance the balance of my tuition over and above my down payment in accordance with your "Pay After Graduation" Plan as outlined on page 4. I understand there is to be no other charge for financing this tuition than that outlined on your Plan Sheet. I understand that if this Application is accepted, you will send me a note made out for the balance of my tuition, which is to be signed by me and my co-signer. This note is to be dated the day I actually start school so that I will get the full benefit of the time allowed before the first payment will be due.

**INFORMATION ABOUT MYSELF**

My Full Name..... Address..... Town and State.....  
 Date of Birth..... Single or Married..... No. of Dependents..... Live with Parents?.....  
(Month) (Day) (Year)  
 Name of Father..... Living?..... Address.....  
 Name of Mother..... Living?..... Address.....  
 Nature of My Present or Last Employment.....  
 Past or Present Employer's Name and Address.....  
 Names and Addresses of two personal references:  
 ..... Address.....  
 ..... Address.....  
 Names and Addresses of two relatives:  
 ..... Address.....  
 ..... Address.....

**INFORMATION ABOUT MY CO-SIGNER**

I am submitting below the name of the party I have chosen, who is 21 years of age or over and has agreed to be the Co-Signer on my note (which you are to send me after this Application has been accepted).

Co-Signer's Full Name..... Age..... Relationship to You..... Married Single.....  
 Co-Signer's Address..... Town and State.....  
 Co-Signer's Employment..... How Long Employed?.....  
(Kind of work)  
 \*Employer's Firm Name..... Employer's Address.....  
\*See note at bottom of this page.  
 Co-Signer's Banking Connection, if any..... Address.....  
 Names and Addresses of two business references:  
 ..... Address.....  
 ..... Address.....  
 Names and Addresses of two personal references:  
 ..... Address.....  
 ..... Address.....  
 Names and Addresses of two relatives:  
 ..... Address.....  
 ..... Address.....

\*NOTE—The Student Finance Department WILL NOT inform your employer that you are making this application, and they WILL NOT inform your co-signer's employer that he is acting as your co-signer.

DO NOT leave home to come to school until we have notified you that your Application has been approved and, of course, if for ANY REASON you do not come to school and complete your Enrollment, your \$25.00 Advance Enrollment Fee will be returned to you.

# A VITAL IMPORTANT MESSAGE

## To You Young Men of Draft Age

I have been amazed to get letters from young men who said they were thinking of giving up their plans for getting training because they felt they might be called in the draft.

As things are today, I know there are many things that may confuse you and it's sometimes hard to know just how to plan for the future.

So, I think the thing to do is to sit down and talk the thing over frankly and see how you might be affected, if you are of draft age. I'm going to try to point out some things that you may not have considered.

So many times fellows think only of the immediate present and stop right there—never giving any thought to how the present may affect the future.

At this time, our country has found it necessary to adopt a **PEACE TIME DRAFT OF A LIMITED NUMBER** of young men to build up our Defense Forces **FOR THE PURPOSE OF MAINTAINING PEACE.**

For that reason, some young men have become confused as to what they should do about preparing for the future.

### WHO WILL BE AFFECTED

While all young men between the ages of 18 to 25 inclusive will be required to register according to the program laid out, **ONLY A PART OF THIS AGE GROUP WILL ACTUALLY BE SUBJECT TO THE DRAFT.**

**THOSE WHO ARE 18 YEARS OF AGE,** cannot of course, be drafted before the age of 19.

**VETERANS** who served 90 days or more during the war period are exempt. Other **VETERANS** who served before or after the war period are exempt if they had 12 months of active service. This means that **MOST VETERANS** are exempt.

**MARRIED MEN** may be exempt or deferred. Many others, of course, will not meet the **PHYSICAL REQUIREMENTS.**

There are other conditions under which young men may be exempt or may be deferred and the local draft boards handle these matters, but the groups mentioned here include a considerable proportion of the young men falling within the draft ages.

**FOR THOSE WHO ARE NOT SUBJECT TO DRAFT,** it is more important than ever before to prepare for essential jobs in building up and maintaining our production program for both civilian and defense needs.

**FOR THOSE WHO ARE OF DRAFT AGE AND MAY BE SUBJECT TO THE DRAFT,** the possibility of being drafted should be one of the best reasons in the world for getting training at once.

### IF YOU ARE SUBJECT TO THE DRAFT BE A TRAINED MAN WHEN YOU ENTER THE SERVICE

Trained Electrical and Radio men are needed in the Army, Navy and Air Force just as in Industry and the better jobs and better pay go to men who have a special skill.

The fact of the matter is that either the Army, Navy or Air Force consists of groups of men carefully selected and developed for jobs for which they best qualify in exactly the same way that Industry is organized. In other words, the men with no training and no special skill usually get the toughest jobs and the least pay. On the other hand, the man who is trained for some specialized job has just as much opportunity to make use of these special skills in the Service as he does in the Industrial world, and of course is rated and paid accordingly.

We all know that this has been true in the past and it certainly is true today with the modern equipment used by modern armies.

Never before have such vast amounts of Electrical and Radio equipment been employed in military activity as today. Well, naturally, if this equipment is used, someone has to be trained to operate it and maintain it.

As, for example, there are fleets of aircraft with their ignition systems, lighting instruments and Radios, Electrically-lighted airports, vast telephone and Radio communication systems, Electrified ships, trucks, tractors, tanks, scout cars, searchlights, Electrical sound detecting units, Electrically-operated artillery pieces and other equipment used in any mechanized army.

Running a highly mechanized Army, Navy or Air Force Unit is **REALLY NO DIFFERENT IN PRINCIPLE THAN OPERATING AN INDUSTRY. SKILLED MEN WILL BE PAID TO WORK ON SKILLED JOBS THERE,** just as they are in Industry and **SKILLED MEN ARE IN JUST AS MUCH DEMAND THERE AS IN INDUSTRY.**

Industry doesn't pay skilled men to work at unskilled work, nor does an army pay the trained man to do unskilled labor.

## Continued from other side

So, if you should be called upon to enter the Service, you can see the advantage of entering as a trained man for you will be given every opportunity to make use of your special skill. And then **WHEN YOUR PERIOD OF ENLISTMENT IS OVER**, you will not only be a trained man but **YOU WILL HAVE VALUABLE EXPERIENCE** along with your training **WHICH WILL BE IN DEMAND** when you again enter civilian life.

### **TUITION ADJUSTMENT MADE IF YOU SHOULD BE CALLED WHILE STILL IN SCHOOL**

Now suppose you started your training and you should be called in the **PEACE-TIME** draft before completing your course—all the details of the deferralment of students have not been worked out and I can only express a personal opinion about this—but, based on past experience, it seems reasonable to expect that a student would be given time to complete his training.

But, even though I feel this is true, I want you to know that should you be here in school and then be called in the draft and you had paid your tuition in cash, **YOU WOULD BE CHARGED ONLY FOR THE TRAINING YOU HAD TAKEN UP TO THAT TIME**. The balance of your tuition would be refunded to you, or you could leave it here until you could return to school and complete your training.

If you had taken care of your tuition on our "Pay After Graduation" plan, you would only be charged for the actual time you were in school and your monthly payments, when due, would be reduced to \$10.00 per month during the time you were in the Service. Then, when you were released from the Service, if there was anything still owing, you would simply resume your regular monthly payments, or, if you then wanted to come back to school, your payments would be deferred until you could complete your training.

### **IF YOU ARE NOT SUBJECT TO A DRAFT YOU SHOULD PREPARE FOR AN ESSENTIAL JOB IN INDUSTRY NOW**

**NOW LET'S CONSIDER THE MEN AND YOUNG MEN WHO WOULD NOT BE CALLED FOR MILITARY SERVICE**—as I said before, it is more important than ever before for these men and young men to prepare by training for essential jobs at once.

Just consider the tremendous production program we face today. **WE MUST MAINTAIN OUR NATION AS THE STRONGEST NATION IN THE WORLD** by producing goods and materials for both civilian use

and defense use. **THIS WILL CALL FOR THE GREATEST PERIOD OF PRODUCTION OUR COUNTRY HAS EVER KNOWN.**

**THIS IS A LONG RANGE PROGRAM.** If the United States is to remain strong, this defense program **MUST KEEP GOING FOR YEARS TO COME.** Just consider how many new jobs—lasting jobs—**THERE WILL BE IN ELECTRICITY, ELECTRONICS AND RADIO** with the important part they play in industry today. But Industry will not be looking for just men. It will be looking for **TRAINED MEN . . . men who have been trained to do essential jobs well . . . IMPORTANT JOBS LIKE ELECTRICAL AND RADIO WORK.**

### **TRAINED ELECTRICAL AND RADIO MEN VITALLY NECESSARY**

Yes, Electricity and Radio will play a **BIG PART** in our new Peace program. **AND THESE FIELDS REQUIRE THE SERVICES OF TRAINED MEN.**

For nearly 50 years **IT HAS BEEN THE BUSINESS OF COYNE TO TRAIN MEN FOR GOOD PAY JOBS.**

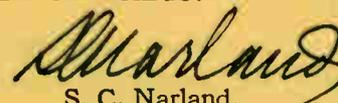
As a leader in the field of training practical men, I feel **COYNE** should do it's duty by helping ambitious men and young men to get the training they will need to help their country maintain Peace.

And by getting your training now you will be preparing yourself for three future possibilities:

- 1. To be of greater Service to your country's Peace Program whether your place may be in the Service or in Industry.**
- 2. To be in line for a better job if you should be called for Service.**
- 3. To be prepared for a better job now or when your period of Service is over.**

Therefore I don't believe I could give you better advice than I'm giving you now; whether you may be subject to call for a short period of military service or whether your place will be strictly in the industrial field, take the present time to prepare yourself.

Decide that **NOW IS THE TIME** to make the start toward a real career in the opportunity **FIELD OF ELECTRICITY OR RADIO.**



S. C. Narland,  
Vice Pres. & Gen'l. Mgr.

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# **COYNE ELECTRICAL AND RADIO SCHOOL**

500 SOUTH PAULINA STREET

World Radio History

CHICAGO 12, ILLINOIS

*We offer you part-time employment service if you need it!*



S. C. Narland

**M**ANY of our students are fellows who, even though they didn't have a lot of money, wouldn't let that fact discourage them.

They made up their minds to get Coyne training and they came to school even though they needed to work part time to help out with their living expenses. What these fellows lacked in ready money they made up in determination and the will to accomplish their purpose.

When they found they didn't have enough money to pay their entire board and room while attending school they took a part-time job to help out with their living expenses.

Of course, if a fellow can get along without doing this work, then, of

course, he should do so, but no fellow should lose out on his training if in order to get it he must do part-time work.

If you are short of money for your living expenses, then by all means don't let this stop you. Our employment department will be at your service and will help you to find such a job to help out with your board and room expenses if you must have this work.

Now, if you come to school on this plan, you should bring along \$45.00 or so to help pay part of your board and room expenses.

### NOW HERE ARE SOME ANSWERS TO WHAT MAY BE YOUR QUESTIONS RELATING TO LIVING EXPENSES AND PART-TIME WORK

**QUESTION** — Aside From Tuition, What Should My Expenses Be for My Training Period?

**ANSWER** — Students can get comfortable living quarters and meals at a cost of around \$15.00 per week. Your laundry should run around \$1.00 a week or so. *Aside from this, there are no other compulsory school expenses*, except a Tool Deposit of \$5.00 which is, of course, returnable upon graduation. All tools needed in your shop work are loaned by the school.

**QUESTION** — Can I Get Part-time Work to Help With My Living Expenses?

**ANSWER** — If you need to do part-time work to help out with a part of your living expenses, our Employment Department will help you get such a job. If you plan to work part time, bring \$45.00 or so to help out with your living expenses. This Part-Time Employment Service will be available to you whether you take the "Pay After Graduation" Plan or pay your tuition in cash.

Part-time jobs usually consist of work in restaurants, hotels, freight, produce and mail terminals and other miscellaneous jobs that last only a few hours a day. Of course, a fellow should not plan on such a job to provide any extra income beyond a part of his board and room, for remember, the purpose of part-time work is to provide the means to get your training.

**QUESTION** — What Is the Least Amount of Money I Would Need During My Training Period?

**ANSWER** — If you plan on doing Part-Time work you should have, in addition to the money you need for tuition, at least \$45.00 to help out with living expenses. So, you see, by taking advantage of the "Pay After Graduation" Plan and Part-Time Work Plan, you can get Coyne Training with a small outlay of cash.

Sometimes a fellow writes and says he wants to come to school but he wants to wait until he can save up enough to pay all his expenses before he comes.

Well, of course, if a fellow wants to do this, that's up to him. However, we often tell these fellows that by taking advantage of the plans we have gotten up to help a fellow—he could come to Coyne, complete his training and be out in the field in the time it might take him to save the money and his increased earnings on the job might well have paid the expenses of his training.

We created the "PAY AFTER GRADUATION" Plan and our PART-TIME WORK plan simply to make it possible for a fellow to get his training even if he hasn't the full amount necessary.

We believe the important thing is to get your training. So, if you haven't a lot of money, then take advantage of the plans we're offering you.

S. C. NARLAND, Vice Pres. and Gen. Mgr.

COYNE ELECTRICAL AND RADIO SCHOOL

500 SOUTH PAULINA STREET

CHICAGO 12, ILLINOIS



COURTHOUSE TRAINING IN ELECTRICITY AND RADIO-TELEVISION SERVICES

You also offer a COMBINATION COURSE, which includes training in both the fields of ELECTRICITY AND RADIO-TELEVISION. A student who has in mind going into business for himself or working for someone else where both Electrical and Radio Equipment is serviced and maintained, will find this course particularly suited to his needs.

Enclosed with this letter is a circular which gives you detailed information about this COMBINATION COURSE as well as information about our VENTURIANS COURSE. This circular together with the catalog will help you decide which course will best suit your needs and best prepare you for the future you have planned for yourself.

NOW I WANT TO TELL YOU ABOUT OUR FREEDOM CURSING OFFER AND OUR PLANS TO HELP YOU GET YOUR TRAINING

I've also enclosed copies of the AIRMAIL BROCHURE ADVANTAGES STATE, THE FUTURE PLAN HERE and A STARTING DATA SHEET.

THIS MATERIAL GIVES YOU FULL PARTICULARS OF OUR FREEDOM CURSING OFFER - THE "PAY AFTER COMPLETION" PLAN - AND EXPLAINS HOW YOU CAN RECEIVE YOUR TRAINING FREE OF CHARGE IN YOUR OWN HOME THROUGH THE AIR MAIL PLAN. YOU CAN ENJOY YOUR ADVANCED KNOWLEDGE IMMEDIATELY.

TAKE TO PAGE BY PAGE. Don't skip forward. I want you to get the facts about BOTH jobs as it will bring you to you in detail.

When you have gone through the details of the offer, I'm sure you'll agree that FREEDOM is an opportunity that offers a real future - AND - that COYNE offers you the chance to receive the training for the opportunity that this field offers.

They also the great job opportunities that are available - THE AIR MAIL CURSING PLAN - THE FUTURE PLAN HERE AND THE STARTING DATA SHEET ADVANTAGES STATE. THE AIR MAIL CURSING PLAN is the best of all training opportunities that are available.

As soon as we get your application and financial statement, our present SYSTEMS DEPARTMENT will immediately be working on your case - and you will receive your training free of charge. And a FREE STARTING DATA SHEET will be sent you for the starting data you want.

And from you receive your training, I will allow you to get the facts about the future of the industry and the great job opportunities that are available. AND IN THE MEAN TIME YOU WILL BE GETTING THE STARTING DATA SHEET.

*Marland*  
Vice President and General Manager

# COYNE ELECTRICAL AND RADIO SCHOOL

500 SOUTH PAULINA STREET  
CHICAGO 12, ILL.

THE SCHOOL WITH NEARLY HALF A CENTURY OF TRAINING EXPERIENCE

From Hon. Marland,  
Vice President and General Manager,  
Coyne Electrical and Radio School,  
Chicago 12, Illinois.

PLEASE READ THIS LETTER BEFORE YOU READ OUR BOOK

Dear Friend:

Here is the book you asked us to send you - YOUR COPY OF OUR CATALOG AND FACTS ABOUT THE OPPORTUNITY FIELD OF ELECTRICITY.

This Catalog together with the OTHER LITERATURE enclosed gives you detailed information about our means of training in ELECTRICITY AND INDUSTRIAL ELECTROTECHNICAL - It gives you information about our school - our method of training - opportunities in the field and many other things you will want to know.

But, before you read the Catalog or any of the other material, I HAVE YOU TO READ THIS LETTER.

As soon as I can I want to give you some facts about our school and services and about the training that I'm sure will be of interest to you.

COYNE was established in 1899 - NEARLY A HALF A CENTURY AGO. SINCE THEN 45 YEARS OF GROWTH AND PROGRESS HAS COME TO US TO GIVE US THE BEST OF BOTH WORLDS AND BETTER FUTURE.

From the very beginning, COYNE was one of the first schools called upon to train soldiers, and MANY THOUSANDS OF SOLDIERS WERE TRAINED FOR VARIOUS BRANCHES OF THE ARMED SERVICES.

As the war progressed, we gave our training to 25,000,000 more and more of the U. S. ARMY OF SOLDIERS AND MANY VETERANS ARE NOW IN SCHOOL AND GETTING TRAINING TO PREPARE FOR A BETTER JOB AND A BETTER FUTURE IN ELECTRICITY.

Yes, I want to tell you something about the general opportunities in the great field of ELECTRICITY AND RADIO. You should prepare now for -

1. THE GREAT OPPORTUNITY - A FUTURE THAT IS UNUSUAL AND UNPARALLELED AND OFFERS EXCELLENT OPPORTUNITIES FOR A BETTER FUTURE.

Industry is going ON! There is no effort to get the demand on account of electrical equipment needed, and it's going to continue long into the industry to continue with the demand.

AND THE OPPORTUNITY IS NOW AVAILABLE. YOU CAN GET THE FACTS ABOUT THE OPPORTUNITY FIELD OF ELECTRICITY AND RADIO. YOU SHOULD PREPARE NOW FOR -

REPLY TO:

Please send to page 100

This should mean GREATER OPPORTUNITIES than ever before for men and young men who PREPARE BY TRAINING TO TAKE ADVANTAGE OF THE OPPORTUNITIES AHEAD IN ELECTRICITY.

BUT I WANT TO EMPHASIZE THIS VERY IMPORTANT POINT -

THESE OPPORTUNITIES WILL BE FOR THE ALL-AROUND TRAINED ELECTRICAL MAN.

A MERE SMATTERING KNOWLEDGE OF ONE OR TWO BRANCHES OF ELECTRICITY IS NOT ENOUGH. TO ADVANCE TO THE BETTER JOBS IN ELECTRICITY, A FELLOW NEEDS AN ALL-AROUND TRAINING IN THE DIFFERENT BRANCHES, BECAUSE ALL BRANCHES OF THIS GREAT FIELD DOVE-TAIL INTO THE OTHER BRANCHES.

SO TO BE EQUIPPED FOR THE BETTER JOBS AND A REAL FUTURE IN ELECTRICITY YOU NEED ALL-AROUND TRAINING AND THAT IS THE KIND OF TRAINING YOU GET HERE AT COYNE.

Now let me get one point straight right from the start - WE DO NOT TEACH BY MAIL. WE NEVER HAVE AND WE NEVER WILL. NO SIR! YOU CAN'T BECOME A PRACTICAL ELECTRICAL MAN JUST BY READING LESSONS AT HOME OR PLAYING WITH LITTLE TOY OUTFITS.

Here in our great shops in Chicago, we have floor after floor of real Electrical equipment for students to work on - everything from door bells to power plant equipment. That's the way to learn ELECTRICITY right.

We don't have you study printed lessons at home and then have you come here for a couple of weeks for just a smattering of practical work. YOU GET ALL YOUR TRAINING RIGHT HERE IN OUR CHICAGO SHOPS under the guidance of expert instructors.

That's the COYNE METHOD OF TRAINING AND THE RIGHT METHOD PROVEN BY NEARLY A HALF CENTURY OF TRAINING EXPERIENCE.

WHEN YOU GO THROUGH OUR BOOK, BE SURE TO READ PAGE 2 as this page explains very clearly our methods of training -- the kind of training that prepares you to go out and take a job in the field after you graduate.

COYNE STANDS BEHIND YOU AFTER YOU GRADUATE AND AIDS YOU FOR LIFE THROUGH OUR MANY GRADUATE SERVICES

Now that I've told you something about the COYNE method of training, I want to tell you what we do for our graduates.

WHEN YOU COMPLETE YOUR TRAINING HERE AT COYNE YOU HAVE GOTTEN A TRAINING DESIGNED TO FIT YOU TO GO RIGHT INTO THE ELECTRICAL FIELD, FOR THE WORK HERE AT SCHOOL IS SIMILAR TO THE KIND OF WORK YOU WILL DO ON THE JOB.

Then we get behind you with real GRADUATE EMPLOYMENT HELP - as well as other helps and services - for we feel it is not only our duty to give you the best training - but to see that you cash in on it after you have it.

THESE SERVICES ARE EXPLAINED ON PAGE 29 OF OUR CATALOG. On this page you'll find an outline of the LIFE MEMBERSHIP SERVICES, to which you are entitled when you graduate.

Now, I want to explain our plans to help you get COYNE training but before I do this, I want to tell you about one more point -- and that is this --

COYNE IS A MIGHTY FRIENDLY PLACE

Everyone in our organization is willing to go out of his way to make you feel at home. Our instructors are real friendly fellows with a keen sense of responsibility to each student.

When you arrive, we'll help you get located in a room. You'll also meet the finest bunch of fellows you ever met -- FELLOWS WHO ARE HERE FOR THE SAME THING YOU ARE - to get training, and to prepare themselves for a successful future in the field of ELECTRICITY.

Our Welfare Director will assist you in getting acquainted with your fellow students and help you plan your recreational activities after school hours. Be sure to read PAGE 34 IN OUR BOOK which explains further the important part our Welfare Department plays in making you feel at home here at Coyne.

SELECT THE COURSE THAT MEETS YOUR NEEDS

Coyne offers to men and young men interested in getting into the ELECTRICAL field a chance of three different courses - A PRACTICAL ELECTRICAL COURSE of 15 weeks or 18 weeks including ELECTRIC REFRIGERATION; A PRACTICAL ELECTRICAL TECHNICIANS COURSE of 30 weeks and a COMBINATION COURSE of 30 weeks, which includes our practical training in ELECTRICITY, RADIO and TELEVISION and ELECTRIC REFRIGERATION.

Each one of these courses is designed to fill a different need in the industry and are designed to train men for different types of jobs in industry.

OPPORTUNITIES IN ELECTRICITY FOR TRAINED PRACTICAL MEN AND TRAINED PRACTICAL TECHNICIANS

The ELECTRICAL field offers many different types of jobs. So, the man with training has a chance to choose the type of job that meets his qualifications and THE TYPE OF JOB HE LIKES BEST.

Many of these jobs are of a PRACTICAL NATURE and call for men with PRACTICAL TRAINING. Coyne has trained thousands of men and young men for good practical jobs in the field through the Practical Course offered here in the shops of Coyne.

Other men take to the more technical applications of ELECTRICITY these are the Practical Technicians and these industries offer a world of opportunities to fellows whose training includes more of the technical angles of work.

That is why Coyne offers a TECHNICIANS COURSE of training in ELECTRICITY in addition to the shorter, Practical COURSE.

VETERANS ADMINISTRATION

**APPLICATION FOR COURSE OF EDUCATION OR TRAINING**

(Under Provisions of Title II, Public Law 346, 78th Congress, as Amended)

**INSTRUCTIONS:**

1. Answer all questions that apply in your case. Attach certified or photostatic copies of ALL discharges from service since September 16, 1940. Please type or use ink.
2. Application for institutional on-farm training should be made on VA Form 7-1921 rather than this form.
3. A veteran who has a disability rated as service-connected for which compensation is payable may be eligible for either vocational rehabilitation under Public Law 16 or education and training under Public Law 346. Such a veteran must elect which benefit he will take. Such veterans are cautioned that to begin training under Public Law 346 is an election to take training under that law and that they will not thereafter have the right to ELECT training under Public Law 16. The benefits under Public Law 16 are generally more advantageous than those under Public Law 346. Application for the benefits under Public Law 16 should be made on VA Form 7-1900 rather than this form.

1. LAST NAME—FIRST NAME—MIDDLE NAME ( <i>Print or type</i> )			2. CLAIM NO. ( <i>If any</i> )	
2. MAILING ADDRESS ( <i>Number and street or rural route, city or P. O., zone number, and State</i> )			4. RACE	5. DATE OF BIRTH
6. SEX <input type="checkbox"/> MALE <input type="checkbox"/> FEMALE	7. BRANCH OF SERVICE ( <i>Check applicable boxes</i> ) <input type="checkbox"/> ARMY <input type="checkbox"/> MARINE CORPS <input type="checkbox"/> OTHER ( <i>Specify</i> ) <input type="checkbox"/> NAVY <input type="checkbox"/> COAST GUARD		8. PLACE OF BIRTH	
9. EDUCATION ( <i>State highest year completed in each</i> )			10. DATE OF DISCHARGE	
ELEMENTARY SCHOOL	HIGH SCHOOL	COLLEGE	OTHER ( <i>Specify</i> )	
11. NAME USED IN SERVICE ( <i>If different from item 1 above</i> )			12. SERVICE SERIAL NO.	
13. COURSES ATTENDED WHILE IN SERVICE ( <i>Check appropriate boxes</i> ) <input type="checkbox"/> ARMY SPECIALIZED TRAINING PROGRAM <input type="checkbox"/> NAVY COLLEGE TRAINING PROGRAM <input type="checkbox"/> USMA, WEST POINT <input type="checkbox"/> USNA, ANNAPOLIS <input type="checkbox"/> USCGA, NEW LONDON <input type="checkbox"/> NONE OF THESE COURSES		14. VETERANS ADMINISTRATION BENEFITS APPLIED FOR <input type="checkbox"/> HOSPITALIZATION OR MEDICAL CARE <input type="checkbox"/> EDUCATION OR TRAINING <input type="checkbox"/> WAIVER OF INSURANCE PREMIUMS <input type="checkbox"/> DENTAL OR OUT-PATIENT TREATMENT <input type="checkbox"/> DISABILITY COMPENSATION		
15. ARE YOU A PATIENT IN AN ARMY OR NAVAL HOSPITAL PENDING DISCHARGE FROM SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO		16. EDUCATION OR TRAINING BENEFITS RECEIVED FROM VETERANS ADMINISTRATION <input type="checkbox"/> PUBLIC LAW 346 ( <i>Service men's readjustment</i> ) <input type="checkbox"/> PUBLIC LAW 16 ( <i>Vocational rehabilitation for disabled veterans</i> )		
17. REMARKS:		18. ADDRESS OF VETERANS ADMINISTRATION OFFICE WHERE YOUR RECORDS ARE LOCATED ( <i>If any</i> )		

I HEREBY CERTIFY THAT the statements made above are true to the best of my knowledge, and I herewith apply for education or training benefits as provided by Title II, Public Law 346, 78th Congress, as amended.

19. DATE	20. SIGNATURE OF VETERAN ( <i>Do not print</i> ) <b>SIGN HERE IN INK</b>
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**CAUTION.** Willful false statements as to a material fact in a claim for education or training is a criminal offense and may result in the forfeiture of these or other benefits.

**DO NOT WRITE BELOW THIS LINE (FOR USE OF VETERANS ADMINISTRATION ONLY)**

21. CALCULATION OF ELIGIBILITY	YEAR(S)	MONTH(S)	DAY(S)	22. STAMP DATE OF RECEIPT
A. DATE RELEASED FROM ACTIVE SERVICE				
B. DATE ENTERED ACTIVE SERVICE				
C. LENGTH OF ACTIVE SERVICE				
D. AUTHORIZED DEDUCTIONS				
E. PERIOD OF ELIGIBLE SERVICE				
23. TOTAL PERIOD OF ENTITLEMENT				
24. DATE CERTIFICATE ISSUED	25. SIGNATURE OF REGISTRATION OFFICER			

REPORT ON THE PROGRESS OF THE WORK DURING THE YEAR 1912

Month	Work Done	Remarks
Jan	...	...
Feb	...	...
Mar	...	...
Apr	...	...
May	...	...
Jun	...	...
Jul	...	...
Aug	...	...
Sep	...	...
Oct	...	...
Nov	...	...
Dec	...	...

QUESTION NO. 16 - WILL THE GOVERNMENT PAY MY RAILROAD FARE OR BUS FARE?

ANSWER - - - No, the law does not provide for transportation, meals or lodging expense while travelling to the school.

QUESTION NO. 17 - HOW DO I APPLY FOR TRAINING UNDER THE G. I. BILL?

ANSWER - - - The APPLICATION BLANK called the "VETERANS' ADMINISTRATION REHABILITATION FORM 1950" must be filled out and mailed, together with a CERTIFIED COPY OF YOUR DISCHARGE or RELEASE FROM THE SERVICE, to your nearest VETERANS' ADMINISTRATION OFFICE. In submitting your Application Form #1950, DO NOT send your ORIGINAL DISCHARGE, BE SURE HOWEVER, THAT THE COPY YOU SEND IS A CERTIFIED COPY. So, if you have a photostatic copy or other copy of your Discharge, BE SURE TO HAVE IT CERTIFIED AS A TRUE COPY BY A Notary Public or other officer authorized to administer oaths.

QUESTION NO. 18 - WHEN CAN I START MY TRAINING?

ANSWER - - - AFTER SENDING YOUR "VETERANS' ADMINISTRATION APPLICATION FORM 1950" TO YOUR NEAREST VETERANS' ADMINISTRATION OFFICE, you must then send the "COYNE ENROLLMENT APPLICATION BLANK" to us. We will then notify you as soon as your Application for Enrollment has been accepted, and when the Veterans' Administration has approved your Application, they will send you a "CERTIFICATE OF ELIGIBILITY and ENTITLEMENT". Then you can start school on the starting date arranged. When you report to school your ORIGINAL "CERTIFICATE OF ELIGIBILITY" must be submitted as your authority to enroll as a student under the G. I. Bill.

IF YOU HAVE ALREADY SENT YOUR "VETERANS' APPLICATION FORM 1950" TO THE VETERANS' ADMINISTRATION and you have received your "CERTIFICATE OF ELIGIBILITY", then send the "COYNE ENROLLMENT APPLICATION BLANK" to us. We will then notify you as soon as your application has been accepted and you can then report for training on the starting date arranged. Bring your ORIGINAL "CERTIFICATE OF ELIGIBILITY", as this is your authority to enroll as a student on the G. I. Bill.

QUESTION NO. 19 - CAN I START MY TRAINING BEFORE I GET MY "CERTIFICATE OF ELIGIBILITY AND ENTITLEMENT" FROM THE VETERANS' ADMINISTRATION?

ANSWER - - - WE RECOMMEND THAT EVERY STUDENT HAVE HIS "CERTIFICATE OF ELIGIBILITY AND ENTITLEMENT" from the Veterans Administration BEFORE STARTING SCHOOL. You will find this to your advantage because the arrangements for getting subsistence allowance and other details can be more readily completed if you have your Certificate of Eligibility at the time you enter school.

The information contained in this folder, is furnished as a courtesy by the Coyne Electrical School. Should you have any questions other than those appearing here, do not hesitate to write us. In case of any question about your eligibility or if you wish any additional information about the Servicemen's Readjustment Act of 1944, you can also feel free to get in touch with your nearest Veterans' Administration Office.

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**G. I. BULLETIN**

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In making plans to come to Coyne under the SERVICEMEN'S READJUSTMENT ACT OF 1944 or what is commonly called the "G. I. BILL", a number of questions have been brought us by ex-Servicemen, so we made a list of these questions and prepared brief answers to them and put them all together on this sheet which we call our "G. I. BULLETIN".

The purpose of this G. I. BULLETIN is to give information in brief form to those who may be eligible for training under the G. I. Bill and help them in laying out their training program. Should you have any questions other than those appearing here, do not hesitate to write us about it.

The answers listed on this sheet are based on information released by the Veterans' Administration but IT MUST BE UNDERSTOOD THAT ALL DECISIONS REGARDING ELIGIBILITY FOR TRAINING AND OTHER QUESTIONS INVOLVING THE ADMINISTRATION OF THIS ACT ARE DETERMINED BY THE VETERANS' ADMINISTRATION.

*S. C. Narland*

S. C. Narland, Vice Pres. & Gen'l. Mgr.  
Coyne Electrical and Radio School --- Chicago 12, Illinois

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**HERE ARE OUR ANSWERS TO WHAT MAY BE YOUR QUESTIONS ABOUT COMING TO COYNE ON THE SERVICEMEN'S READJUSTMENT ACT OF 1944, OR SO-CALLED "G. I. BILL".**

QUESTION NO. 1 - AM I ELIGIBLE FOR TRAINING UNDER THE G. I. BILL OF RIGHTS?

ANSWER - - - If you served in the Armed Forces on or after September 16, 1940 and prior to the termination of World War II, and have since been discharged or released from actual service, you may be eligible for training.

QUESTION NO. 2 - WHAT TYPE OF DISCHARGE FROM SERVICE MUST I HAVE?

ANSWER - - - Any type of discharge except a dishonorable one.

QUESTION NO. 3 - HOW LONG MUST I HAVE SERVED IN THE ARMED FORCES TO BE ELIGIBLE?

ANSWER - - - 90 days or more, not counting any time you were assigned for education or training under the Army Specialized Training Program or the Navy College Training program, if these courses were a continuation of your civilian courses and you completed them in the service.

(Please turn to page two)

QUESTION NO. 4 - AM I ELIGIBLE FOR THIS TRAINING REGARDLESS OF MY AGE?

ANSWER - - - YES - if you meet the general eligibility requirements of the Servicemen's Readjustment Act of 1944, or what is commonly called the "G. I. BILL", you are entitled to training regardless of your age at the time you entered the Service and regardless of your age at this time.

QUESTION NO. 5 - IF I WAS COMMISSIONED AS AN OFFICER AM I STILL ELIGIBLE?

ANSWER - - - YES - ex-officers and ex-enlisted men become equally eligible when discharged or released from the Service.

QUESTION NO. 6 - CAN I QUALIFY FOR TRAINING IF I SERVED LESS THAN 90 DAYS?

ANSWER - - - Ordinarily at least 90 days service in the Armed Forces is required to qualify for training under the G. I. Bill. However, if you were discharged because of service incurred injury or disability, you would be eligible for your basic year even if you had served less than 90 days.

QUESTION NO. 7 - MUST I HAVE A PHYSICAL DISABILITY TO QUALIFY FOR TRAINING?

ANSWER - - - No! A physical disability is not a requirement to qualify for training under the G. I. Bill of Rights.

QUESTION NO. 8 - CAN I GET TRAINING IF I HAVE A PHYSICAL DISABILITY?

ANSWER - - - Yes - if you have a physical disability and you meet the general eligibility requirements of the G. I. Bill, you are entitled to training under the G. I. Bill of Rights, under Public Law #346, 78th Congress, just the same as any other Ex-Serviceman - HOWEVER - YOU MAY ALSO QUALIFY FOR VETERANS' VOCATIONAL REHABILITATION TRAINING UNDER PUBLIC LAW #16, 78TH CONGRESS. So, if you have a service connected disability and want to apply for Vocational Rehabilitation Training under Public Law #16, you should take the matter up with your nearest Veterans' Administration Office. If you are coming to school under Public Law #16, 78th Congress, then DO NOT COME TO SCHOOL UNTIL YOU HAVE A LETTER FROM THE VETERANS FACILITY AT CHICAGO, ILLINOIS TELLING YOU THAT ALL THE DETAILS HAVE BEEN COMPLETED FOR YOU TO START YOUR TRAINING.

QUESTION NO. 9 - CAN I SELECT THE SCHOOL I WANT AND CAN I CHOOSE THE COURSE I WANT TO TAKE?

ANSWER - - - You may attend any school that has been approved as a training agency under the G. I. Bill, providing you meet the entrance requirements of the school you select. You do not have to choose a school in the state where you live.

QUESTION NO. 10 - IS COYNE APPROVED AS A TRAINING AGENCY UNDER THE G. I. BILL?

ANSWER - - - Yes - Coyne is approved for G. I. Training and many Veterans are getting their training here at this time.

(Continue on opposite page)

QUESTION NO. 11 - HOW LONG DOES IT TAKE TO COMPLETE THE COYNE COURSE?

ANSWER - - - The PRACTICAL ELECTRICAL COURSE OR the PRACTICAL RADIO COURSE including the added training in Electric Refrigeration TAKES 18 WEEKS. The COMBINATION COURSE including all of our training in Electricity, Radio, and Refrigeration requires 30 weeks. If Electric Refrigeration is not included, the time required for any of the above courses is three weeks less. The ELECTRICAL TECHNICIANS COURSE or the RADIO TECHNICIANS COURSE REQUIRES 30 WEEKS TIME.

QUESTION NO. 12 - WHAT WILL THE GOVERNMENT PAY TOWARD MY LIVING EXPENSES?

ANSWER - - - \$75.00 per month for you alone, If you are married, you will receive from \$105.00 to \$120.00 a month, depending upon the number of dependents you have. In order to qualify for subsistence payments while going to school, BE SURE TO ANSWER "YES" to the question on the Veterans' Application Form #1950 which reads, "DO YOU WISH TO BE PAID SUBSISTENCE ALLOWANCE?" If you answer "no", or fail to answer this question, they'll assume you do not want any subsistence payments.

QUESTION NO. 13 - WHAT PROOF MUST BE FURNISHED OF MARRIAGE OR DEPENDENTS?

ANSWER - - - IF you are married, a CERTIFIED COPY OF YOUR COUNTY MARRIAGE RECORD will be required. If you have dependent children, you will need CERTIFIED COPIES OF THEIR BIRTH CERTIFICATES. In special circumstances such as PREVIOUS MARRIAGE or other special situations, take the matter up with your Veterans' Administration office for instructions about special requirements. IT IS IMPORTANT THAT ALL THESE RECORDS BE IN ORDER AND RECORDED IN ADVANCE SO YOU'LL BE SURE THE FULL SUBSISTENCE ALLOWANCE TO WHICH YOU MAY BE ENTITLED WILL BE EFFECTIVE THE DATE YOU START SCHOOL.

QUESTION NO. 14 - WHEN WILL MY LIVING EXPENSE ALLOWANCE START?

ANSWER - - - Your living expense allowance is figured from the day you start school. However, it takes time for transfer of records and other clerical detail, SO YOU MAY NOT ACTUALLY START GETTING YOUR SUBSISTENCE MONEY BEFORE TWO MONTHS OR SO AFTER YOU START SCHOOL. THEREFORE WHEN YOU START SCHOOL, YOU SHOULD HAVE ENOUGH MONEY TO TAKE CARE OF YOUR LIVING EXPENSES FOR AT LEAST TWO MONTH.

QUESTION NO. 15 - IS A G. I. STUDENT PERMITTED TO WORK IN A PART TIME JOB?

ANSWER - - - If a student is physically able to do extra work after school hours he may work in a part time job, providing the work does not interfere with his progress in school. Part time jobs available usually consist of work in restaurants, hotels, freight, produce and mail terminals, and other miscellaneous jobs. Of course, a fellow should not plan on a part time job to provide any extra income except to help out with a part of his own expenses, nor should he plan on doing part time work unless it is necessary as a means of getting his training.

(Please turn to page four)

# To those Interested in Practical ELECTRICAL Training COYNE OFFERS:

a E c 4

- 1 PRACTICAL ELECTRICAL TECHNICIANS COURSE**
- 2 COMBINATION ELECTRICAL and RADIO-TELEVISION COURSE**
- 3 PRACTICAL ELECTRICAL COURSE**



B. W. COOKE, President

## ELECTRICAL TECHNICIANS COURSE COVERS SUCH SUBJECTS AS...

Electron Theory, Electrostatics, Electrodynamics, Splicing Instructions, Magnetism, Units, Symbols, Energy, Simple Machines, Technical Terms, Relays, Annunciators, Ohm's Law, Kirchhoff's Laws, Watt's Law, Circuit Analysis, Switches, Lighting Control, Electric Cell, Storage Battery, Internal Resistance, Efficiency, Electromagnetism, Electromagnetic Induction, Transformers, Telephone, Electric Motors, Electric Meters, Wire Calculations, National Electrical Code, Illumination Fundamentals, Fluorescent Lamps, Fuses and Trouble Shooting, Electric Signs, Simple Electronic Principles, House Wiring, D-C Motor and Generator Construction, D-C Motor Principles, Armature Winding, D-C Motor Characteristics, D-C Meters, Armature Testing, Commutation, Speed Control Principles, D-C Motor Starters and Controllers, Lifting Magnets, Magnetic Separators, Generator Principles, Maintenance of D-C Motors and Generators, Switchboard, A-C Motor Principles, Inductive and Capacitive Reactance, Single-Phase, Split-Phase Motors, Single Phase Shaded Pole Motors, Repulsion Start Induction Run Motors, Capacitor Start Motors, Stator Winding, Auto Transformers, A-C Motor Starters, Slip-Ring Induction Motors, Transmission Transformers, Power Measurements, A-C Generators, Three Phase Synchronous Motors, Volt-Ohm Milliammeter, Capacitor Motors, Household Appliances, Nine-Lead Three Phase Motors, Motor Installation, Power Transmission Transformers, Welding Transformers, Multi-Speed or Consequent Pole Three-Phase Motors, Motor Bearings and Brushes, Furnace Controls and Oil Burners, Ventilating Fans, Blower Motors, Magnetos, Testing Instruments for Industrial Electronic Equipment, Industrial Electronic Tubes, Cathode Ray Tube, Industrial Electronic Circuits, Resonance Oscillators, Ignitron Tube, Thy-Mo-Trol, X-Ray Tube, Resistance Welding controls.

COYNE offers to men and young men interested in getting into the ELECTRICAL field a chance of three different courses—A PRACTICAL ELECTRICAL COURSE of 15 weeks or 18 weeks including ELECTRIC REFRIGERATION; A PRACTICAL ELECTRICAL TECHNICIANS COURSE of 30 weeks and a COMBINATION COURSE of 30 weeks, which include practical training in ELECTRICITY, RADIO AND TELEVISION.

Each one of these courses is separate and distinct in itself and does not conflict with the other. They are designed to fill a different need in the industry and are designed to train men for different types of jobs in industry.

## WHY COYNE OFFERS AN ELECTRICAL TECHNICIANS COURSE OF 30 WEEKS

For many years Coyne has offered practical shop training in ELECTRICITY. However, some students prefer to spend the additional time necessary to cover more of the theory and mathematics involved in the field of ELECTRICITY.

Coyne therefore also offers a TECHNICIANS COURSE of 30 weeks in ELECTRICITY.

THIS TECHNICIANS COURSE DOES NOT REPLACE THE PRACTICAL SHOP COURSE IN ELECTRICITY WHICH WE HAVE BEEN OFFERING FOR MANY YEARS.

This is an additional course which we offer to meet a popular demand for a longer and more technical course in this field.

The shorter, practical course, which is the one described in detail in our BIG CATALOG, is specially laid out for the fellow who can spend a minimum amount of time in getting training and is designed to prepare men and young men quickly for practical jobs involving the installation, maintenance, repair and operation of ELECTRICAL and INDUSTRIAL ELECTRONICS EQUIPMENT.

## OPPORTUNITIES IN ELECTRICITY FOR TRAINED PRACTICAL MEN AND TRAINED TECHNICIANS

One of the outstanding advantages of the ELECTRICAL field is the fact that it offers many different types of jobs giving the man with training a chance to choose the type of job that meets his qualifications and THE TYPE OF JOB HE LIKES BEST.

Many of these jobs are of a PRACTICAL NATURE and call for men with PRACTICAL TRAINING. Coyne has trained thousands of men and young men for good jobs in these industries or a business of their own through the practical courses offered here in the shops of Coyne for many years. Other men take to the more technical applications

Our TECHNICIANS COURSE is designed to meet the needs of the student who has had two years of High School or the equivalent, and can spend approximately one school year (30 weeks) in getting his training and who wishes to go farther into the theory and technical angles involved in these same fields.

The TECHNICIANS COURSE includes the material given in the shorter, practical course except ELECTRIC REFRIGERATION. It covers the same general branches of ELECTRICITY. However, it also includes additional advanced theory, applied mathematics and fundamental engineering principles involved in the installation, maintenance and operation of ELECTRICAL EQUIPMENT.

To the left, you'll find a very brief summary of the subjects covered in our ELECTRICAL TECHNICIANS COURSE. I can only hit the high spots in this small space, of course, but it will give you some idea of the extent of the course and if you would like a detailed outline of the course, feel free to ask for it and we'll gladly send it to you.

of ELECTRICITY—these are the Practical Technicians and this industry offers a world of opportunities to fellows whose training includes more of the technical angles of work.

That is why Coyne offers a TECHNICIANS COURSE of training in ELECTRICITY in addition to the shorter, practical course.

Each course is designed to prepare men and young men to qualify for good jobs with a real future in the opportunity field of ELECTRICITY and the type of Course he should take depends upon his circumstances and the type of work that he likes best.

## SCHOOL HOURS AND TUITION RATES

The time devoted to class discussions and shop work in our TECHNICIANS COURSE is 27½ hours per week, which gives the student sufficient time for the study of his notes and home assignments after school hours and also do part-time work if he needs to do that to help out with his living expenses.

The tuition rate for the ELECTRICAL TECHNICIANS COURSE is \$441.00 on the Cash Plan, or \$491.00 on the "Pay After Graduation" Plan. On either plan, there is no Incidental Fee required.

THE PLAN SHEET on page 4 of the Advance Enrollment Application Blank enclosed gives you the details of the "PAY AFTER GRADUATION"

PLAN. ON THIS PLAN, you can enroll for our TECHNICIANS COURSE with a down payment of only \$120.00 on your tuition. Then you have 12 months in which to pay the balance of your tuition, beginning 8 months after you start school.

By paying your tuition on the CASH PLAN YOU SAVE \$50.00 on your tuition. This makes your total cash tuition only \$441.00.

If you are a VETERAN entitled to training under the G.I. Bill, you can, of course, get this training at no cost to you for tuition and with subsistence allowance paid while attending school.

COMBINATION COURSE IS DESCRIBED ON OTHER SIDE

# COYNE COMBINATION COURSE

## INCLUDING OUR PRACTICAL TRAINING IN ELECTRICITY • RADIO-TELEVISION INDUSTRIAL ELECTRONICS and ELECTRIC REFRIGERATION

a E c 4

### OUR 30 WEEKS' COMBINATION COURSE PREPARES YOU FOR MANY TYPES OF JOBS IN THE FIELD

While only some of the subjects covered in our COMBINATION COURSE can be listed below they give you an idea of the wide variety of jobs this training prepares you for, and how this practical all-around combination course can make your services more valuable to an employer or to yourself if you go into business.

#### FOR EXAMPLE THIS COMBINATION COURSE COVERS SUCH FIELDS AS . . .

Signal and Alarm Wiring and Maintenance  
Light and Power Wiring  
Electrical Appliance Repairs  
Illumination Equipment Installation and Maintenance  
Armature Winding  
Stator Winding  
Direct Current Motors and Equipment  
Alternating Current Motors and Equipment  
Electric Sign and Display Lighting  
Industrial Electronic Equipment Installation and Maintenance  
Radio Servicing  
Sound and Public Address Equipment Maintenance and Operation  
Auto Radio Installation and Service  
Television Sets  
Frequency Modulation Sets  
Mobile Radio  
Inter-communication Systems  
Electric Refrigeration Service and Repair

**M**ANY times we have fellows who would like to take both the PRACTICAL ELECTRICAL COURSE and the PRACTICAL RADIO TELEVISION COURSE. A fellow may want to start a business of his own where he will be called upon to handle work in both fields.

FOR INSTANCE—he may want to start an ELECTRICAL BUSINESS, but he finds he can also do a lot of Radio work if he has this knowledge too. Or he may want to start a RADIO BUSINESS and finds if he also knew Electrical work he would get a lot of work in this line also.

Then again many times a fellow is in an Electrical job where a knowledge of Radio is very valuable and would help him in his technical work, or he may be in Radio work and a thorough knowledge of Electricity would be a big asset in his job.

AFTER ALL ELECTRICITY AND RADIO ARE CLOSELY ALLIED and by having a training in both fields a fellow greatly increases his opportunities for better jobs and advancement.

ELECTRICITY alone is full of vast postwar possibilities. So, too, is the tremendous fast-growing field of RADIO and TELEVISION. NOW our 30 WEEKS COMBINATION COURSE puts you in line for the opportunities in BOTH of these opportunity fields and also includes training in the fields of INDUSTRIAL ELECTRONICS and ELECTRIC REFRIGERATION.

Training in these fields makes an excellent combination as it opens up many additional opportunities to graduates for better jobs and advancement in the years ahead.

So I want to outline the features of our 30 WEEKS' COMBINATION ELECTRICAL, RADIO and REFRIGERATION COURSE which gives you training in both Electricity and Radio and also includes our training in Industrial Electronics and Electric Refrigeration.

In taking our 30 weeks Combination Electrical, Radio and Refrigeration Course, you would first take the Departments in the Practical Electrical Course in their regular order as outlined in our Electrical Catalog. After completing all of the Electrical Departments, you would then take the Departments in our Practical Radio-Television Course in their regular order. Then you would take our added training in Electric Refrigeration. After satisfactorily completing the training in the Electrical Departments and the Radio Departments and the added training in Electric Refrigeration, you would then be entitled to our Combination Electrical, Radio and Refrigeration Course Diploma.

In taking our Combination Electrical and Radio Course, not including the training in Electric Refrigeration, you would first take the Departments in our Practical Electrical Course in their regular order and then the training in our Practical Radio-Television Course Departments in their regular order. After satisfactorily completing this training, you would be entitled to our Combination Electrical and Radio Course Diploma.

IF YOU WOULD BE INTERESTED IN OUR COMBINATION COURSES AND YOU HAVEN'T GOTTEN BOTH OF OUR CATALOGS WE'LL BE GLAD TO SEND YOU THE ONE YOU DON'T HAVE.

### INCREASE YOUR OPPORTUNITIES IF YOU START A BUSINESS OF YOUR OWN

Many Coyne Graduates are independent in a business of their own, and I can think of no combination field that offers a fellow greater opportunities for establishing a business of his own.

This combination training in Electricity and Radio prepares a fellow to handle a much greater variety of service jobs and, of course, the more types of jobs a fellow can handle in his shop, the greater his volume of business will be and the greater will be his opportunities for increasing his income.

With a background of the combination all-around training

offered here at Coyne, plus the helpful Graduate Service rendered by the School, many graduates have been able to establish themselves in a successful business of their own, handling a wide variety of service jobs in the installation, maintenance and repair of such equipment as Motors, Wiring for Light and Power, Home Appliances, Radios, Sound and Public Address Equipment, Television and F.M. Sets, Refrigerators, Industrial Electronics Equipment and other types of equipment in the fields of ELECTRICITY—RADIO—INDUSTRIAL ELECTRONICS and ELECTRIC REFRIGERATION.

### TIME REQUIRED FOR COMBINATION COURSE

Now in taking our Combination Course, it is not necessary to spend double time in school in order to get all of this training.

In the first Department of either Course you cover the principles of Electricity, Wiring, Testing and many other things that apply to both Electricity and Radio.

The added training in Refrigeration is, of course, the same for either the Electrical or Radio Course. SO THE TOTAL TIME YOU WOULD NEED TO SPEND IN SCHOOL TO TAKE OUR COMBINATION ELECTRICAL, RADIO AND

REFRIGERATION COURSE WOULD BE 30 WEEKS ALL TOGETHER. This would include all of our training in Electricity, Radio-Television, Industrial Electronics and Refrigeration.

In taking our COMBINATION ELECTRICAL AND RADIO COURSE, not including the training in Electric Refrigeration, the total time you would spend in school would be 27 weeks.

### TUITION RATES FOR COMBINATION COURSE

WE'RE ALSO ABLE TO MAKE YOU AN UNUSUAL TUITION OFFER ON OUR COMBINATION COURSE AT THIS TIME. IT WOULD NOT BE NECESSARY FOR YOU TO PAY DOUBLE TUITION.

In fact, the total cost for our entire 30 WEEKS COMBINATION ELECTRICAL, RADIO AND REFRIGERATION COURSE is only \$441.00. If you enroll for our 27 WEEKS COMBINATION RADIO AND ELECTRICAL COURSE which does not include the added training in Refrigeration, you would get a reduction in your tuition of Forty-four dollars.

On the "Pay After Graduation" Plan there would be an additional finance charge of \$50.00, so the total charge on the

"Pay After Graduation" Plan is \$491.00. This calls for a down payment of \$120.00. The tuition balance would then be \$371.00 which would be payable in 12 monthly payments of \$30.92, beginning 8 months after you start school. You will find detailed information about our "Pay After Graduation" Plan in our Tuition Plan Sheet on page four of our Advance Enrollment Application Blank.

If you are a VETERAN entitled to training under the G.I. Bill, you can, of course, get this training at no cost to you for tuition and with subsistence allowance paid while attending school.

## SELECT THE COURSE THAT BEST MEETS YOUR NEEDS THEN SEND YOUR ADVANCE ENROLLMENT APPLICATION

After you have gone over our Catalog as well as the information in this Circular, I want you to compare the different courses and consider them as they apply to you and your plans for the future—then decide which course meets your needs the best.

If you decide that the Practical TECHNICIANS COURSE in ELECTRICITY is the one that meets your needs the best, then fill out the enclosed Advance Enrollment Application for that course.

Or, if you feel that the Practical COMBINATION ELECTRICAL and RADIO-TELEVISION COURSE is the one that will best prepare you for the future you have planned for yourself, then send in your Application for that course.

ON THE OTHER HAND, if you decide that the shorter, Practical Electrical course is the one you want, then send in your Advance Enrollment Application for that course.

Whatever your decision is, I assure you a hearty welcome awaits you as a student here at Coyne.

Even though you may not be able to start your training right away, you can reserve your present tuition rates and reserve your Starting Date simply by filling out the ENROLLMENT APPLICATION BLANK, indicating the course you want and mailing it to me with your Advance Enrollment Fee of \$25.00. This \$25.00 will be credited on your tuition on the Cash Plan or the "Pay After Graduation" Plan. If you enroll on the G. I. Bill, this \$25.00 will be available for your personal use.

As soon as your Advance Enrollment Fee of \$25.00 is received, all the features of our present offer and all the features outlined in our catalog and other literature will be reserved for you until you can come to school.

Our Money Back Agreement applies to this Advance Enrollment Fee, of course, so if for any reason whatsoever, you do not come to school and complete your enrollment, your Advance Enrollment Fee would be returned to you.

  
PRESIDENT

COYNE also offers a Practical Course in RADIO-TELEVISION and a Practical RADIO-TELEVISION TECHNICIANS COURSE. We'll be glad to send detailed information upon request.

ELECTRICAL TECHNICIANS COURSE IS DESCRIBED ON OTHER SIDE.

**COYNE ELECTRICAL AND RADIO SCHOOL**  
500 SOUTH PAULINA STREET  
CHICAGO 12, ILLINOIS

World Radio History

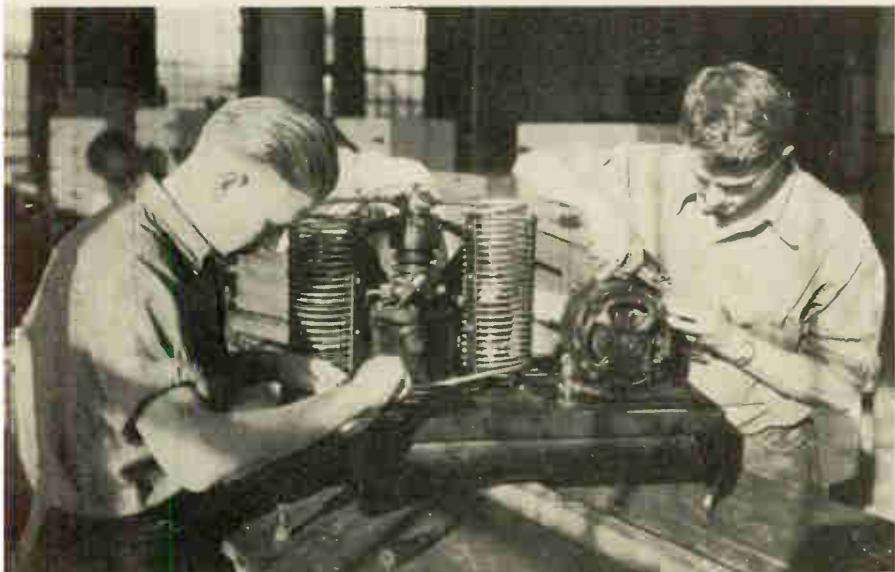
# COYNE HAS ADDED TRAINING IN ELECTRIC REFRIGERATION

*To Their Regular Course*

*This extra training added to our regular course leads to many additional opportunities*



Here is a view of part of the Refrigeration Department. Instructors give personal assistance to students on these shop jobs. This type of training helps students acquire confidence and ability on a job out in the field.



This picture, taken in our Electric Refrigeration Department, shows Coyne students carrying out the series of operations involved in the overhaul on a compressor and motor combination unit.



Here you see COYNE Students getting "Learn-By-Doing" training on many types of Refrigerator units. The orderly arrangement of work benches provides plenty of shop space.

**B**ECAUSE we believe every Coyne graduate should be equipped by our training to add to his opportunities as a trained man whenever possible, we have added this training in ELECTRIC REFRIGERATION to our course.

ELECTRIC REFRIGERATION has enjoyed a tremendous growth since being introduced to the public and many trained service men are needed in this field. Training in this work, IN ADDITION TO OUR REGULAR COURSE OF TRAINING, should open up many additional opportunities to graduates for good jobs or a business of their own.

The training in the Electric Refrigeration Department takes three weeks additional time, so in taking our ELECTRICAL AND REFRIGERATION COURSE you should plan on spending 18 WEEKS HERE AT SCHOOL ALTOGETHER instead of 15 weeks for the Electrical Course as outlined in our catalog.

WE STRONGLY RECOMMEND THAT YOU TAKE THIS ADDITIONAL THREE WEEKS TIME REQUIRED TO GET THIS ADDITIONAL TRAINING BECAUSE WE ARE CONVINCED THAT IT WILL INCREASE YOUR OPPORTUNITIES FOR JOBS AND BETTER EARNINGS AFTER YOU GET OUT IN THE FIELD.

## *Here is a brief outline of our training in ELECTRIC REFRIGERATION*

**E**LECTRIC REFRIGERATION is a great industry in itself and offers many additional opportunities to fellows with training in this field in addition to our Electrical training. THE TRAINING YOU HAVE HAD IN THE REGULAR COURSE WILL HAVE PREPARED YOU FOR THE WORK IN THIS DEPARTMENT. For instance, a knowledge of the principles of Electricity, wiring, controls and switches is essential, and you will have had training on such equipment in the first department of our course. This, of course, saves time and enables you to cover the training in this department much faster.

Here you get training in the operation, care and repair of many types of interesting Refrigeration units under the personal supervision of an experienced instructor who shows you step by step how to do the work on well-known units of different types. You will learn about refrigerant liquids, about reciprocating and rotary compressors, dry and flooded type evaporators, expansion valves, thermostatic switches, etc.

You also get practical shop work on tube flaring and connections, vacuum and pressure tests and gauges. Overhaul and repair of compressors, controls, valves, motors, seals, thermostats, etc. Assembly, disassembly and test of various household and commercial units.

You learn about common Refrigerator troubles and their symptoms. High and low side pressures, condenser temperature, condenser air circulation, stiff compressors operation, low oil, low refrigerant, defects in motors, fuses, control valves; air in system, clogged strainers, moisture in system, dryers, purging, charging. Service tests and service methods and equipment. Multiple installations. Installation methods, trouble shooting and repair. You will be taught modern methods of servicing and testing of Electric Refrigeration units.

THE PICTURES ON THE LEFT SHOW TYPICAL SCENES TAKEN IN OUR ELECTRIC REFRIGERATION DEPARTMENT HERE IN THE SHOPS OF COYNE.

THIS TRAINING IN ELECTRIC REFRIGERATION IN ADDITION TO OUR REGULAR COURSE SHOULD OPEN UP MANY ADDITIONAL OPPORTUNITIES TO COYNE GRADUATES FOR GOOD JOBS OR OPENING UP A BUSINESS OF THEIR OWN.

READ OTHER SIDE FOR FURTHER DETAILS ABOUT THIS ADDED  
TRAINING IN ELECTRIC REFRIGERATION



# Why we offer you this **ADDITIONAL TRAINING**

*We are convinced that fellows who get added training in Electrical Refrigeration should have many additional opportunities open to them*

**O**NE important part of my job as President of the COYNE ELECTRICAL SCHOOL is to keep in constant touch with developments in the field that will open up greater opportunities for our Graduates.

IT HAS ALWAYS BEEN OUR POLICY TO ADD TO OUR COURSE ANY SUBJECT OR TRAINING THAT WE FEEL WILL BE OF BENEFIT TO OUR GRADUATES AND ENABLE THEM TO HAVE THE GREATEST OPPORTUNITIES FOR GOOD JOBS AND ADVANCEMENT.

ELECTRIC REFRIGERATION has had a tremendous growth since being introduced to the public several years ago. Yet this is really only the beginning and the enormous possibilities still existing in this great field will take years to develop and will continue to offer countless opportunities.

*So fellows who have training in Electric Refrigeration in addition to the course as outlined in our catalog will have many additional opportunities for a good job and a real future, and to the fellow who goes into business for himself it offers many opportunities for additional business and profit.*

BECAUSE WE WANT YOU TO GET THE BEST POSSIBLE PRACTICAL TRAINING AND PREPARE FOR THE GREATEST NUMBER OF REAL OPPORTUNITIES WE HAVE ADDED THIS VALUABLE TRAINING TO OUR COURSE.

**T**O QUALIFY FOR THE BETTER JOBS AND ADVANCEMENT, YOU NEED ALL AROUND TRAINING.

It is necessary to have more than a knowledge of one or two particular branches. You will find if you are only familiar with one or two branches, that you will be handicapped by not having an all around training in the other branches as EACH BRANCH DOVETAILS INTO EACH OF THE OTHER BRANCHES.

That is why we don't split up our course into different branches for we know that if one is to get the full benefit of his training, he must have "all-around" training in the field as a whole.

If he has this all around training, he should then be able to pick the branch that appeals to him and specialize if he so desires, and BECAUSE HE HAS ALL AROUND TRAINING, HE IS PREPARED TO MAKE A SUCCESS OF HIS TRAINING.

## ANSWERING YOUR QUESTIONS

**H**ERE are my answers to what may be your questions about this added training offer. I have tried to answer every question you would probably want to ask, but I want you to feel free to ask any other questions you may think of. Also, if my explanations are not perfectly clear to you, don't hesitate to write me. I want you to thoroughly understand everything about this offer.

1. Just what is included in your present training offer at your reduced tuition rate of \$264.70?

**ANSWER**—OUR ELECTRICAL AND REFRIGERATION COURSE includes all of the training outlined in our Electrical Catalog and IN ADDITION you also get our added training in ELECTRIC REFRIGERATION as outlined in this circular.

2. What is the required time for your Electrical and Refrigeration Course?

**ANSWER**—The minimum time required to complete our Electrical Course as outlined in our Catalog is 15 weeks. The minimum time required to complete the Electric Refrigeration Department training which has been added is 3 weeks. So the minimum TIME REQUIRED TO COMPLETE ALL THE DEPARTMENTS IN OUR ELECTRICAL AND REFRIGERATION COURSE IS 18 WEEKS.

3. Is this added training in Electric Refrigeration required for a diploma?

**ANSWER**—In order to qualify for our ELECTRICAL AND ELECTRIC REFRIGERATION COURSE DIPLOMA, this Department would be required. However, you can qualify for our Electrical Course Diploma without taking this added training in Electric Refrigeration. In view of the many additional opportunities that this added training opens up to Electrical men in the field, however, we recommend that every student take the extra time necessary to include this department.

4. Now, suppose I don't take the added Department in Electric Refrigeration, will there be any reduction in tuition?

**ANSWER**—The price outlined in our Enrollment Blank covers the complete 18 WEEKS ELECTRICAL AND REFRIGERATION COURSE which includes our training in Electric Refrigeration. You can take our 15 weeks ELECTRICAL COURSE which includes the five Departments outlined in our Catalog only if you wish. In that case, there will be a reduction of Forty-four dollars and eleven cents from the price quoted on our Enrollment Blank on our Electrical and Refrigeration Course. As I said, we have added this Department because we feel it will be a big advantage to you to have this training and I certainly recommend that you take the extra 3 weeks necessary time to get this added training.

5. If I did not take the added training in Electric Refrigeration, could I then come back later and get this added training?

**ANSWER**—We recommend that a student take this added training while he is here as this would save transportation expense and prevent the loss of time after he may be established in a job. However, if a student enrolled for a 15 weeks Electrical Course and later decided he wanted to take this added training in Electric Refrigeration, he could arrange to do so. The additional tuition cost would, of course, be only Forty-four dollars and eleven cents.

B. W. COOKE, PRESIDENT

# COYNE ELECTRICAL AND RADIO SCHOOL

500 South Paulina Street • • • Chicago 12, Illinois

World Radio History