

**ELECTRICITY**



**GATEWAY TO  
OPPORTUNITY**

**COYNE**

**ELECTRICAL  
SCHOOL**

TRAINING MEN AND YOUNG MEN  
FOR OVER 41 YEARS BY THE FAMOUS  
COYNE "LEARN BY DOING" METHOD

**CHICAGO**

**WORLD'S GREATEST ELECTRICAL CENTER**







**H. C. Lewis, President**  
Coyne Electrical School

**I** AM glad to place this book in your hands for it gives you **THE STORY OF COYNE** and tells you of the opportunities in **THE GREAT ELECTRICAL INDUSTRY.**

I DO NOT employ salesmen to call on you. I prefer to **GIVE YOU THE FACTS MYSELF.** I wrote this book myself and the story it tells comes direct from **ME to YOU.**

As you go through my book I want you to **READ IT CAREFULLY PAGE BY PAGE,** for in preparing this book I tried to give you the message just as I would if I could come into your home and deliver it personally.

My school was first organized and received its first students **AWAY BACK IN 1899, OVER 40 YEARS AGO.** It has been in continuous operation ever since.

During these many years, thousands of students have come to my school and taken my training.

They were fellows who were not satisfied to merely "get by." They wanted to better their condition in life—**THEY WANTED THE CHANCE TO GET AHEAD.**

They saw the opportunities in **ELECTRICITY** and **THEY CAME TO MY SCHOOL TO PREPARE THEMSELVES FOR THESE OPPORTUNITIES.**

Now, the same opportunity—the same training and the same help I offered them I want to offer you.

You will find the entire **COYNE** organization **WILLING** and **ANXIOUS** to offer you every help in their power, **BOTH AS A STUDENT AND A GRADUATE.**

We here at **COYNE** feel that **THE SUCCESS OF OUR GRADUATES IS OUR SUCCESS.**

When you come to my school we will do all in our power to guide you and help you to success.

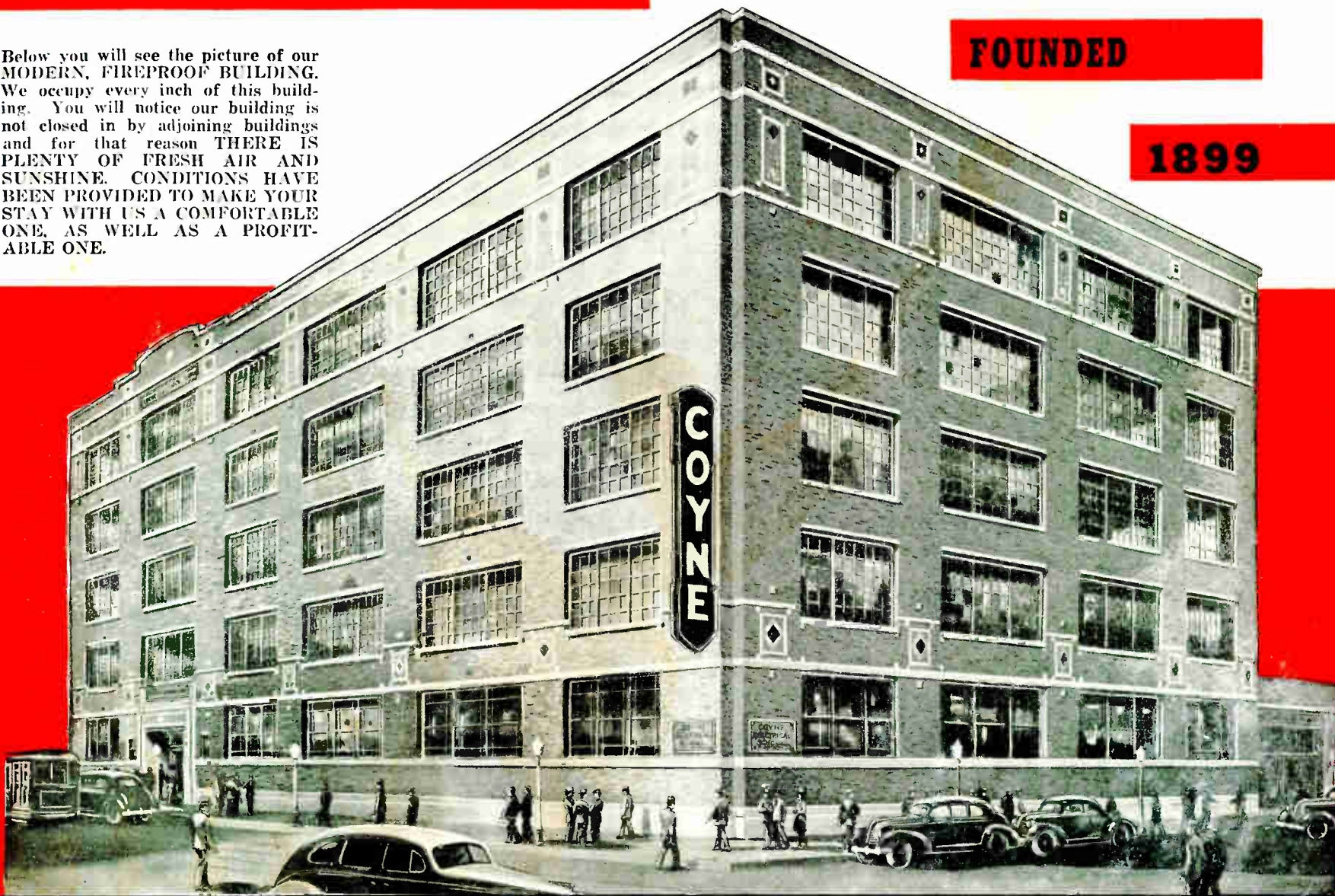
So, now I **WANT YOU TO READ MY BOOK. THEN I WANT TO OFFER YOU A WELCOME TO MY SCHOOL.**

*H. C. Lewis*  
President.

Below you will see the picture of our **MODERN, FIREPROOF BUILDING.** We occupy every inch of this building. You will notice our building is not closed in by adjoining buildings and for that reason **THERE IS PLENTY OF FRESH AIR AND SUNSHINE.** **CONDITIONS HAVE BEEN PROVIDED TO MAKE YOUR STAY WITH US A COMFORTABLE ONE, AS WELL AS A PROFITABLE ONE.**

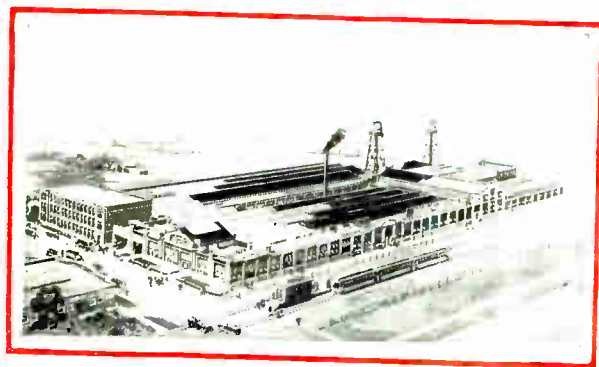
**FOUNDED**

**1899**





# COYNE is Located in Chicago - THE ELECTRICAL CENTER OF THE WORLD



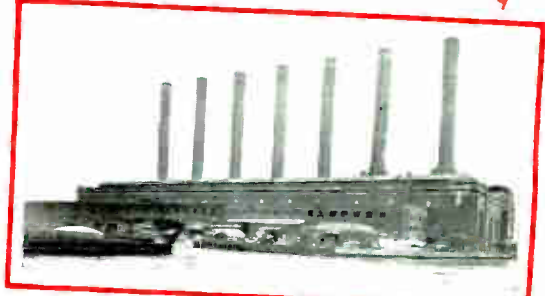
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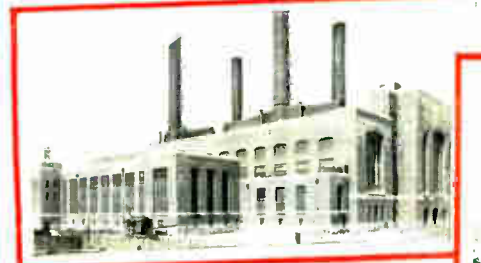


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1. Many prominent manufacturers of Electric Appliances are located in Chicago.
2. Many electric Substations of this type are found throughout Chicago and vicinity.
3. A striking night view looking over the tops of buildings in the famous Chicago "Loop".
4. Chicago has many such large and modern power stations.
5. Steel mills of this type use huge electrical equipment.
- 6, 8, 10 and 13. These views show typical power plants that contribute to Chicago's reputation as the Electrical Center of the World.
7. Chicago has long been known as the Railway Center of the U. S. This view shows a modern Diesel Electric train.
9. Great manufacturing plants of this type provide electrical supplies for users all over the world.
- 11 and 12. A large part of the world's telephone equipment is made in Chicago.
14. Chicago also abounds in huge sky-scrappers, possessing their own electric power systems.



11



4



5



12



5

## *A Few of Chicago's Mammoth Firms, Power Houses, Sub Stations*



13

Chicago has rightfully earned her name as the Electrical Center of the World.

Illinois ranks first among all states in the number of persons employed in electrical manufacturing.

Since 1869, the Chicago Region has been the telephone manufacturing center of the world. One manufacturer alone occupies 102 buildings, covering 200 acres of ground and produces 80% of the world's telephones.

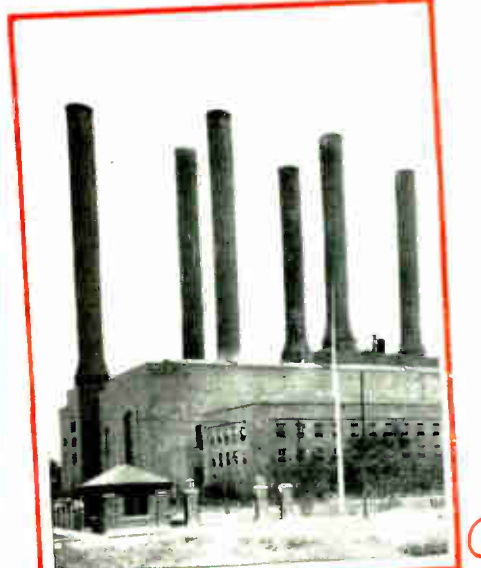
Chicago has an annual per capita consumption of Electricity of over 1000 Kilowatt hours, with a general average for the U. S. of only 600.

The largest electrical generator ever made, developing 200,000 Kilowatts, or over 265,000 H. P. is operating in the State Line generating plant at Chicago.

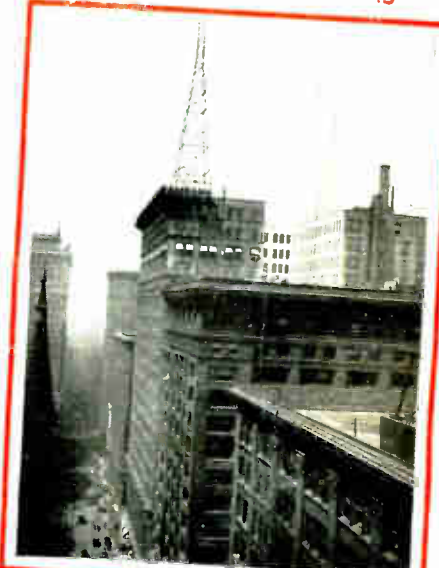
Electrical transportation companies in the Chicago region, operate over 1900 miles of single track line and transport over 10% of passengers carried on electric railways in the U. S.

These are only a few of the important reasons indicating why it is logical to study electricity here at COYNE in Chicago where student inspection trips make some of these remarkable electrical sights available to you.

Make up your mind to train for Electricity at COYNE in Chicago where you have the happy combination of a successful PRACTICAL Electrical School located in the World's Electrical Center.



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# You "Learn By Doing" at Coyne Not By Books - Not By Lessons

**B**EFORE you go through the pages showing my shops, I am going to ask you to READ THIS PAGE VERY CAREFULLY. It tells you many things about COYNE and brings out how important these things can be to your future.

I have always believed a fellow can learn a thing much quicker, and much better, when he can actually see and operate it himself.

Now, let me illustrate just what I mean. Suppose you had a complicated piece of machinery and it failed to operate, and you know nothing about this machine.

Well, you could read a book that might tell you all about the parts but could you, from this book, be able to take this machine apart and put it together again? The best this book could do would be to give you a description and then you would have to do the work yourself before you would understand it.

In other words, even with your book you would, after all, have to get your experience to take the machine apart and put it together by ACTUALLY DOING THE WORK YOURSELF.

That is exactly the principle here at COYNE—EXCEPT—you DON'T USE A BOOK TO GET THE GENERAL DESCRIPTION.

## First You Are Told—Then You Are Shown—And Then You Do the Work Yourself

**T**HE instructors at COYNE are practical men. They know what is required of the fellow who enters the Field of Electricity.

We know that a fellow wants a training for one reason—TO GET A BETTER JOB AND A JOB THAT CAN BRING HIM A FUTURE.

We know, too, that a fellow isn't interested in a lot of useless theory that is not needed in the work he is going to do.

That is why our training eliminates a lot of wasted time and gets down to actual facts.

Mr. B. F. Forbes, a prominent writer, business authority and publisher, recently said in an article in Forbes Magazine:

"A youth properly taught how to use his hands, how to do something well, stands far greater likelihood of finding employment than one not thus trained. Yet, in most schools beyond the primary grade, practical preparation of youths to fit themselves into the modern world is treated as of minor importance, a mere sideline. After all, the most serious problem confronting nine out of every ten youths on leaving school is how to earn a living. Obviously, therefore, the utmost pains ought to be taken to fit them therefor.

"Our educational system needs drastic remedial overhauling in this connection and direction."

We believe WE RECOGNIZED THESE FACTS MANY YEARS AGO and we built our

course 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 A 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 a way that you can grasp and remember.

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

So we follow a method which we have used for over 40 years—the "LEARN-BY-DOING" Method.

AS AN EXAMPLE, the instructor FIRST TELLS YOU ABOUT A CERTAIN JOB IN A DEPARTMENT—THEN HE TAKES YOU TO THIS JOB AND SHOWS IT TO YOU—THEN YOU DO THE WORK YOURSELF.

I'M SURE YOU MUST ADMIT THIS IS THE MODERN WAY AND MOST EFFICIENT WAY TO GET YOUR TRAINING.

## Why You Can Get Coyne Electrical Training in 12 Weeks

**M**ANY times I am asked the question, "How can I get a training in 12 weeks when it takes several years at college?"

Well, here is a point I want to make clear. COYNE is not an engineering course and does not attempt in any way to give a student an education that he would get in college.

If you were to go to college to study Electrical Engineering, you would "major," as they call it, in the Subject of ELECTRICITY. Most all of your study on the subject would be book study and in addition to your major subject of Electricity, you would be required to take up languages, history, higher mathematics, chemistry, physics, and perhaps social subjects, such as economics, arts, etc.

Well, here at COYNE you are trained in the one Subject, ELECTRICITY and YOU ARE TRAINED ON ACTUAL ELECTRICAL EQUIPMENT AND APPARATUS. As you will see, when you read further into my book, you do a certain job, when you have learned this job and can prove that you understand this job, then you advance to the next job.

This procedure is followed all through the course so that it is a progressive system of training. Each job you advance to is a little more advanced than the job you just completed, so that before you hardly realize it, you are doing work that a short time before might have been so complicated, you would have been completely stumped. But you have advanced step by step, each job leading to the next, so

that which may have seemed hard to you before, should come to you naturally, because THE JOB BEFORE HAS PAVED THE WAY for you to GRASP THE NEXT ONE.

## You Don't Need Advanced Education or Previous Experience

**M**ANY fellows get the idea they must have a high school education to learn Electricity. This is not true at COYNE.

We do not use text books or printed lessons as a part of our training. Here at COYNE you "LEARN-BY-DOING" and the so-called theory that is necessary is also given you in a practical way such as, demonstrations, blackboard talks and drawings, and by explanation, right on the electrical equipment.

If you have had a common school education, you can master COYNE TRAINING just as hundreds before you have done.

Many of our most successful graduates have had only a common school education, many others, of course, have had high school education, but I want to impress upon you that a high school education is not necessary to master COYNE TRAINING.

## We Specialize in Electricity

**Y**EARS ago COYNE taught many other subjects besides Electricity, but 20 years ago, these were discarded and since then WE HAVE SPECIALIZED ONLY IN ELECTRICITY and its allied branches.

Many times I have been requested to take on other subjects, but I HAVE NEVER considered doing so and I NEVER WILL.

I believe if a fellow is to make a success in life HE SHOULD SPECIALIZE IN ONE SUBJECT. The Jack of all trades is rarely a success in anything.

I believe IF THIS APPLIES TO AN INDIVIDUAL that it SHOULD ALSO APPLY TO MY SCHOOL.

I know if we taught other subjects I and my organization would have to be dividing their time and interests in these subjects.

I believe ELECTRICITY offers a fellow a greater opportunity than any other field. I believe it will always be so. Many other subjects may offer opportunities for a while, then something comes along that takes their place and these things pass out. I can recall many things that were considered permanent things that have had to give way to some new things.

NOW, READ THE NEXT TWO PAGES—THEY TELL YOU OF SOME OF THE OPPORTUNITIES IN ELECTRICITY.



# 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 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, radio concerns 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.

### Power Plants

**A** LARGE power company 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. These men must install new electrical equipment from time to time, keep it in operation, service it and supervise and handle the dozens of electrical jobs that are always coming up at such a factory.

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

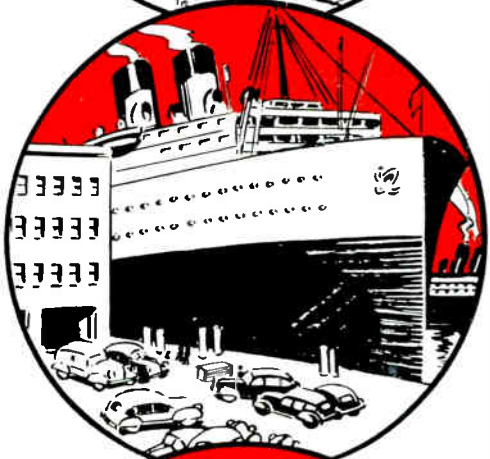
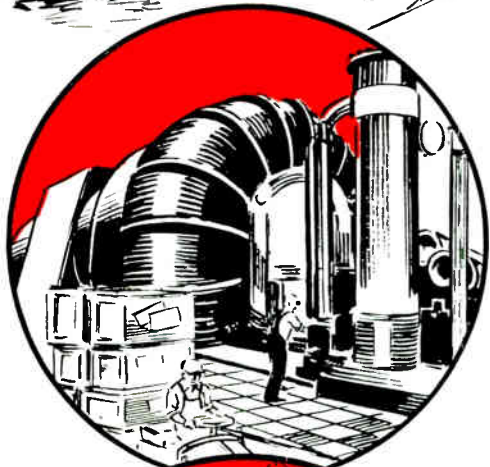
There are thousands of factories in America. Just think of the thousands of jobs for trained electrical men in these factories alone. **AND REMEMBER, THESE JOBS ARE ELECTRICAL, YET THEY ARE NOT DIRECTLY IN THE ELECTRICAL INDUSTRY ITSELF.**

### Steel Mills

**O**NE large steel mill employs over five hundred electricians, and at times over a thousand, 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, telephone and loud speaker systems with involved transmission circuits . . . locomotive and car lighting, heating, ventilating and air conditioning . . . 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





# ELECTRICITY *Nearly Everywhere!*



## *and* Country

close to a thousand skilled electricians. In fact, many of the larger plants in this industry use so much electricity that they have built their own power plants. THESE, TOO, REQUIRE OPERATORS AND MAINTENANCE MEN.

require trained electrical workmen on a railroad.

### Packing Companies

**A** LARGE meat packing company that has several plants employs well over a hundred trained electrical workers to service and maintain its lighting system . . . motors of various types and sizes . . . controls . . . and to operate and maintain its own power plant.

### Mail Order Firms

**M**AIL order concerns are another example of an industry not directly connected with the Electrical Field that employs many electricians. One large mail order house employs well over a hundred electrical men in its various buildings to service and maintain electrical equipment and machinery . . . to operate and maintain its own power plant which has a capacity of several thousand kilowatts.

### Automobile Plants

**T**HE automobile industry is another that offers many opportunities to skilled electrical men. They are needed not only to service and maintain the vast amount of electrical machinery used in the manufacturing of motor cars, but also trained electrical workers are needed to install, test and adjust ignition systems, lights, horns, radios and other electrical equipment on the cars themselves. One large manufacturer employs

### 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. 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 where Electrification Projects have brought Electricity to many new users.

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

Also, these 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 means trained Electrical men are needed to install, service and maintain all the elec-

trical machinery and equipment these plants use.

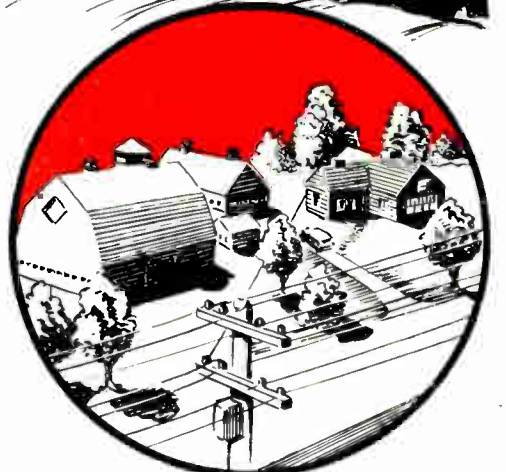
### Electricity Is the Heart Of Modern Industry

**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, Airplane Plants and Airports, Hotels, Stores, Office Buildings, Warehouses, Steamships, are just a few other places where there are opportunities for trained Electrical men.

And . . . IT IS ONLY NATURAL THAT THE MEN WHO HOLD THE JOBS OF INSTALLING, OPERATING AND MAINTAINING IMPORTANT ELECTRICAL APPARATUS, ON WHICH OUR NATION'S INDUSTRIES DEPEND, ARE PAID BETTER THAN AVERAGE WAGES.

Knowing these facts, can you doubt that Electricity is the field of opportunity for you? The wheels of industry are turning faster and faster. Plants are expanding rapidly to keep up with the demands of our National Defense Program. Millions of dollars are being spent for new equipment and for modernizing equipment already in use. In most cases, this new equipment is powered by Electricity and trained men are needed to install, operate and maintain it.

Determine now to get your share of this new prosperity. Get YOUR practical electrical training NOW. Then, once you have this training, you will be ready for a better job in the great, growing Field of Electricity and have an opportunity to build up a real future.







# Now! Read

**N**OW, I am going to ask you to read this and the next page very carefully, for they bring out some very important points.

Then, I am going to take you on a trip through my shops, in the pages that follow.

Every picture is a bona-fide reproduction of a photograph taken right here in my school while the students were working and doing the same work that you, as a student of COYNE will do when you get here. So, once again let me say, **don't skip through this**

**book; take it page by page, as it's written. Then you will get the true story of COYNE.**

I'm going to show you through every department and while, of course, I can't picture all the equipment you will work on when you come to take your course, I am going to show you a lot of it in each department. To describe everything at COYNE would take a book much larger than this one. I am sure, however, when you have been through this book, with me, you will agree on one thing—COYNE offers you the opportunity to get the electrical training you want, the way you want it, by practical "LEARN - BY - DOING" methods.

### **We Don't Use Text Books To Train You**

**A**T COYNE we don't ask you to study dry text books to learn Electricity. Instead the important practical facts are explained to you in INTERESTING talks by the instructors, using SIMPLE LANGUAGE and plenty of BLACKBOARD ILLUSTRATIONS to make them clear. Then these points are DEMONSTRATED and proven to you on ACTUAL EQUIPMENT.

Just imagine how much EASIER, QUICKER and MORE INTERESTING it is to learn Electricity in this manner. You will be surprised at how easily you remember things learned in this way. Then by working them out yourself on ACTUAL EQUIPMENT you get them fixed in your mind. You are also shown how to make brief practical notes and diagrams from the lectures and shop jobs, to keep in your own notebook FOR FUTURE REFERENCE ON THE JOB.

### **Coyne Training Is Job Training**

**N**ATURALLY, when you come to COYNE and start your training, we assume you have had no previous electrical experience. WE START YOU RIGHT IN WITH THE SIMPLE RULES, LAWS AND PRINCIPLES OF ELECTRICITY!

Much of this ELEMENTARY WORK is given you by PRACTICAL TALKS and BLACKBOARD ILLUSTRATIONS AND DEMONSTRATIONS. In a few days you will understand these simple rules and principles and then you are put right on to wiring of simple door bells, buzzers, burglar alarms, etc.

At COYNE you learn the "why" and "wherefore" of each piece of electrical equipment. You are shown the location of each part, the instructor explains its duty, then you see the part in actual operation, and then you wire up, operate, or repair the equipment yourself. This enables you to get a complete picture of the work and you remember it better. The 3-way method of training—by EYE, EAR, and HAND makes it possible for a student to grasp the work quickly. First you SEE the work done—you HEAR it explained by the instructor—then you DO the work yourself!

### **"Learn-By-Doing" Methods**

**H**OUSEWIRING is a good example. A fellow who knows how to wire a house must understand something more

about Electricity than the mere stringing of wires.

First you are shown how to strip the wires and then make the commonly known splices. The instructor inspects these splices and then shows you how to solder them. Next you go to a bench and wire up several different systems of switches and lights. These are proved out by the instructor who must O. K. each step before you are allowed to pass on to the next.

Then you go on with the same individual "Learn-by-Doing" training in the bending, cutting and threading of conduit, principles of illumination, housewiring, flood lighting, operation of sign flashers and many other phases of electricity included in the wiring department.

Then you will have a certain number of these jobs to do in the first department as shown on page 8. Each job is just a little more advanced than the last one, so that when you have completed all of them, you then go on to the WIRING of larger equipment as shown on pages 9, 10, 11 and 12.

**BUT BEFORE YOU GET TO DOING MUCH OF THIS WORK YOU HAVE BEEN PREPARED FOR EACH JOB BY THE JOB THAT YOU HAD JUST BEFORE.**

### **Each Job Leads You to the Next Job**

**B**Y this I mean—in the FIRST DEPARTMENT, the same as every other department, you GRADUALLY GO FROM ONE JOB TO ANOTHER—each one LEADING TO THE NEXT ONE, so that almost before you know it, you are doing work that 10 days before, would have been a mystery to you. That is because you have GRADUALLY ADVANCED STEP-BY-STEP.

When you have completed the WIRING DEPARTMENT then you will have a FOUNDATION for ALL THE OTHER DEPARTMENTS.

*Then* Let Me Take You In the Pages

**A**S you go through the pages of this catalog you will find many testimonials from Coyne graduates. I want you to know that these expressions of goodwill are excerpts from actual letters sent by former Coyne students who have successfully applied their training in the field. These letters are in my files and the name and address in every instance will gladly be furnished to you upon request.



# These Two Pages.....

I am going to ask you to read my book thoroughly from cover to cover. Do not skip through it, but read it Page by Page. THEN YOU WILL GET THE COMPLETE STORY OF COYNE.

**F**OR INSTANCE —

First—you were trained on simple low voltage wiring, such as door bells, fire alarms, burglar alarms, etc. THESE SIMPLE WIRING JOBS HAVE PREPARED YOU for the more advanced wiring, such as HOUSE WIRING, WIRING FOR LIGHT AND POWER, such as MOTOR WIRING, ILLUMINATION WIRING and many other branches of ELECTRICITY.

Then when you have finished this department, you will understand such subjects as WIRING, SPLICING, SOLDERING, CIRCUIT TESTING, and many other phases of this work, that are a part of practically all electrical work.

## Here Is a Mighty Important Point

**M**ANY fellows attempt to get a practical training in Electricity by MERELY STUDYING out of books or lessons—others try to “pick-it-up” on a job. They have failed to get in books and lessons the practical training they wanted. On a job they may have failed because they were put on some particular job and kept right on this job. In other words, they learned the work connected with the particular job they were doing, but when they learned it, they kept right on DOING THE SAME WORK OVER.

Naturally, an employer having no training facilities COULD NOT BE EXPECTED to keep putting a fellow on a different job as fast as he learned one job. IT IS NOT HIS BUSINESS TO TRAIN MEN.

But here AT COYNE it is OUR BUSINESS TO TRAIN MEN AND YOUNG MEN IN ELECTRICITY. They are trained here by doing practical work under the guidance of experienced instructors, who know how to explain the important principles and methods—and we have provided many types of electrical equipment and apparatus for you to work on, connect up, test, operate and repair.

The large outlay of practical electrical training equipment, along with our many years of experience and our system of training, is what has made COYNE so successful in our “LEARN-BY-DOING” method.

It is these things—plus the fact that when you learn one shop job, you do not continue on this work, but advance step by step to more advanced work—that should prove to you the value of COYNE TRAINING.

So, I am sure you will agree with me that the place to get a training in Electricity is a place that has but one objective in mind—that objective is to give a student a practical electrical training. I am sure also that when you have gone through my book, you will be convinced that COYNE is the place where you will want to get your training.

## You Take Your Time Here At Coyne

**Y**OU don't have to move along with any class. You can go as fast with your work as you are able, or as slow as you wish. You are not held back by others or rushed to keep up with others. YOU DO NOT HAVE TO RECITE BEFORE ANY CLASS. Here at COYNE you get INDIVIDUAL INSTRUCTION on your shop problems, and SINCERE, PERSONAL ASSISTANCE from your instructors whenever you need it.

You advance step-by-step from one interesting job to another, starting with simple jobs and advancing to the bigger ones almost before you realize it.

We use visual instruction and even motion pictures, along with your actual work on equipment to enable you to learn easier and faster.

We make every effort to duplicate the actual work you may do later on some job in the field. Some COYNE graduates have told us that when they left COYNE and went to work IT WAS LIKE STEPPING FROM ONE JOB TO ANOTHER BECAUSE THE WORK THEY HAD IN SCHOOL WAS SO MUCH LIKE THAT OUT ON THEIR JOB.

## You Learn Easier and Quicker the Coyne Way

**A**S I told you before, after each interesting explanation of important electrical principles by your instructor, you go to the shop equipment and work out practical jobs to prove each point. Your

instructor shows you how to wire up interesting signal, telephone and lighting systems, and is always ready to help you when you need assistance. You work with batteries, magnets, relays, bells, meters, annunciators, switches, lights, signs, motors, phones, tubes, etc. Each job is so interesting it is hard to wait to finish one before starting the next.

You install lights and convenience outlets, and learn modern wiring methods and National Code rules. Your instructor inspects your wiring jobs and helps you correct any mistakes. Then you “TURN ON THE JUICE” and see the equipment operate on the wiring you installed.

This practical training is what you need to develop real skill and confidence. Employers in the Electrical Industry want men who not only know the principles of Electricity, but also how to APPLY THEM TO ACTUAL EQUIPMENT. They don't want men who have to be told how to do each job. They require men who know what needs to be done, and who have the practical training and ability to go ahead and do it. That is why the man with practical training has a better chance to advance in Electrical work than the one who has merely learned from books or “picked up” a little knowledge on the job.

## Now Let's Go Through the Shops

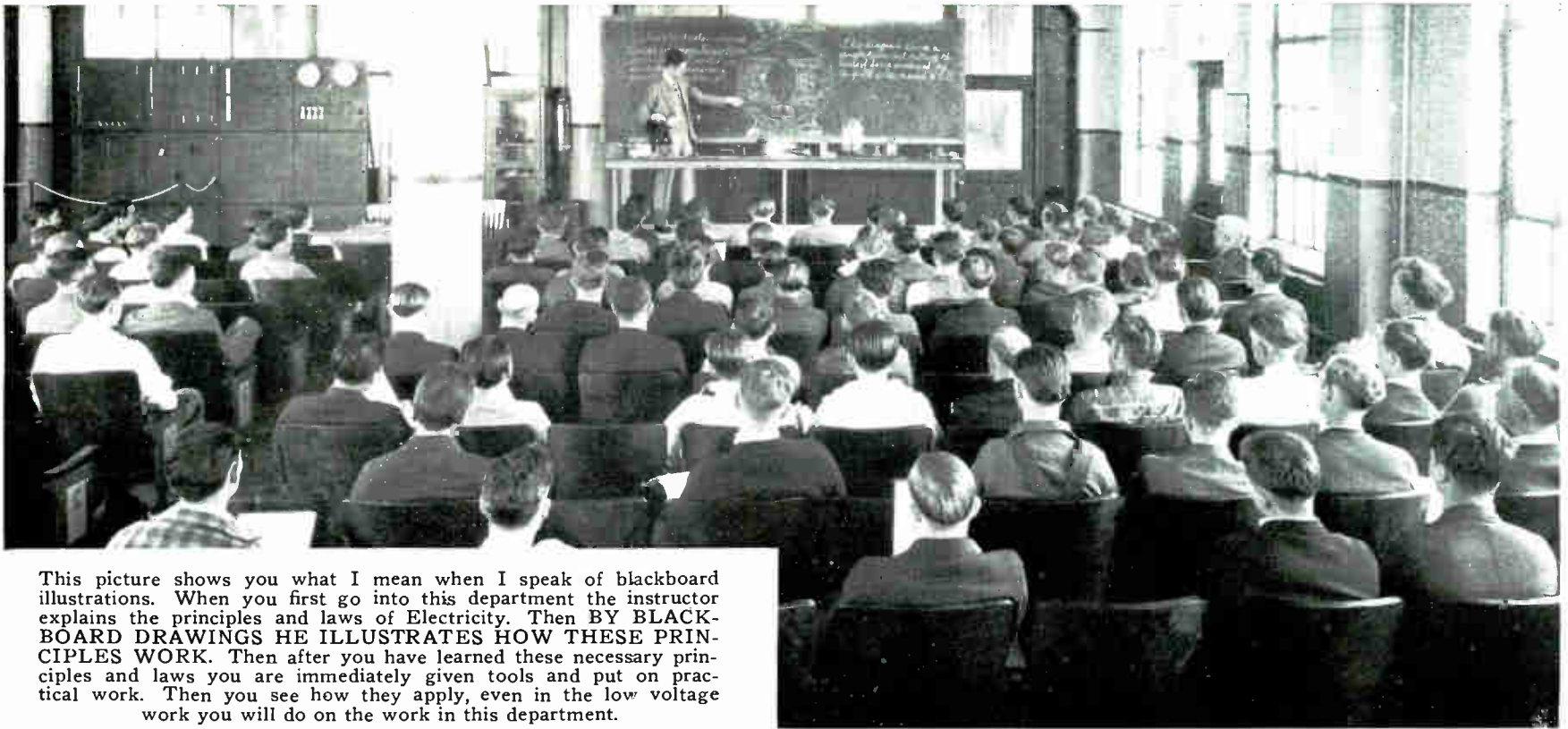
**I**VE told you all these things because I want you to be familiar with them before we start our trip through the shops. NOW AS WE GO THROUGH THE FOLLOWING PAGES, I WANT YOU TO PAY PARTICULAR ATTENTION TO HOW MY STUDENTS ARE GETTING THEIR TRAINING. As you go through these different departments, I'm sure you can't help but agree with me when I say: The way to get a practical electrical training is the way it's taught at COYNE. Now, the first pictures I will show you will be the ELEMENTARY WORK. AS YOU GO THROUGH THE PICTURES OF MY SHOPS, READ THE WORDING UNDER EACH PICTURE FOR THEY EXPLAIN THE DIFFERENT EQUIPMENT AND APPARATUS PICTURED.

Through My Coyne Shops  
That Follow.....



# Here You Start Your Elementary Work

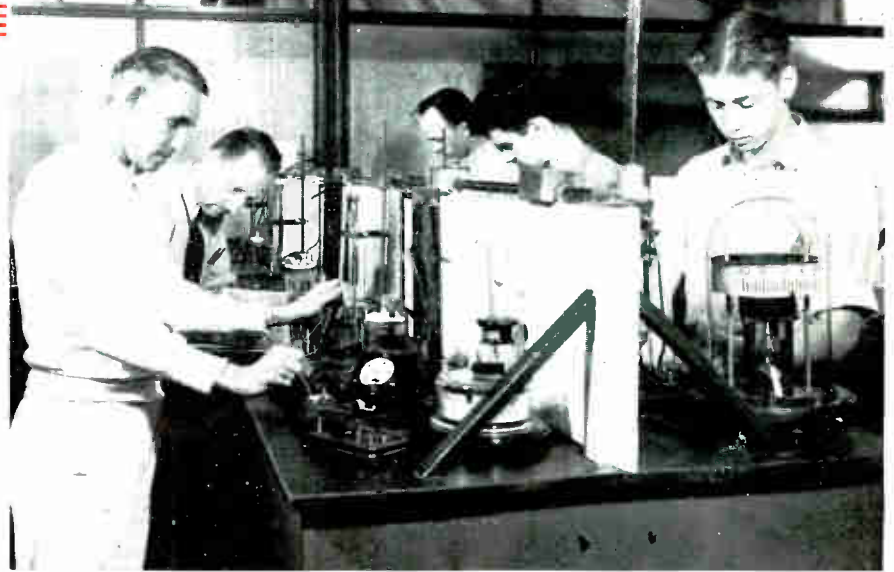
## Even This is Practical Training



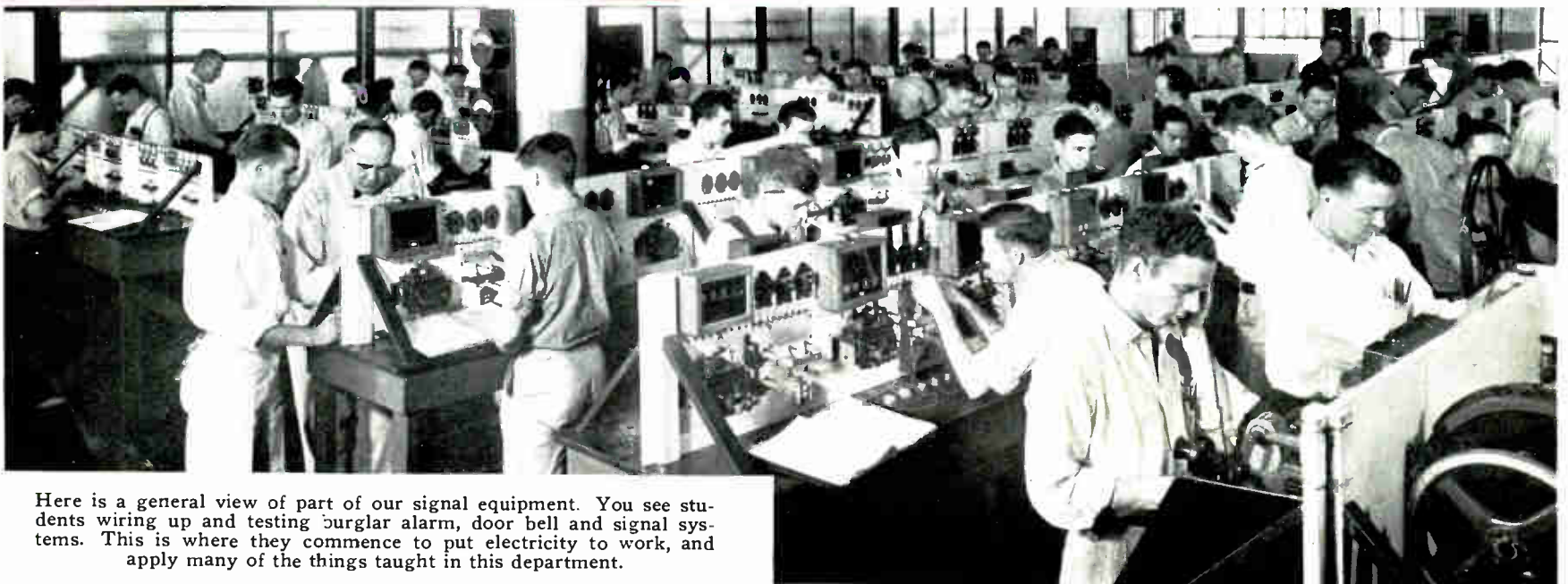
This picture shows you what I mean when I speak of blackboard illustrations. When you first go into this department the instructor explains the principles and laws of Electricity. Then **BY BLACKBOARD DRAWINGS HE ILLUSTRATES HOW THESE PRINCIPLES WORK.** Then after you have learned these necessary principles and laws you are immediately given tools and put on practical work. Then you see how they apply, even in the low voltage work you will do on the work in this department.



These men on the left 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.



The students shown above are performing interesting tests with laboratory instruments to demonstrate and prove some of the important principles of electricity.



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.

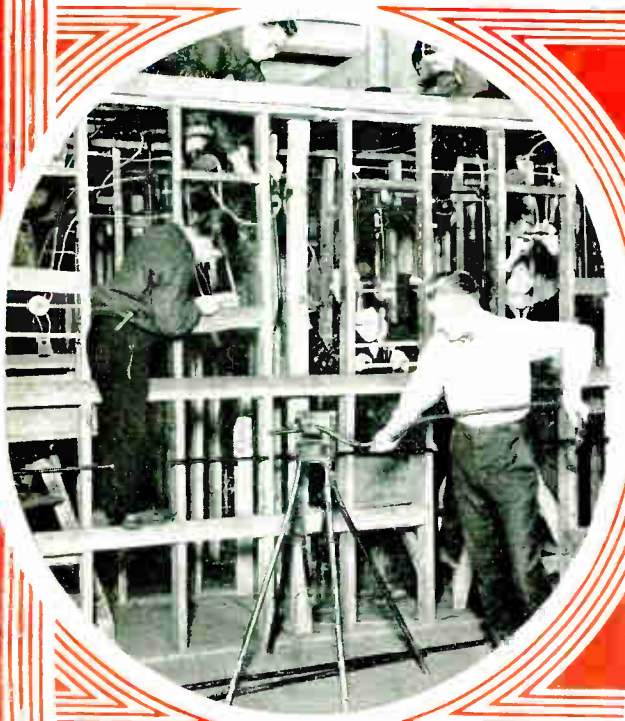


# These First 4 Pages Take You Through Our **ELECTRICAL WIRING DEPARTMENT**

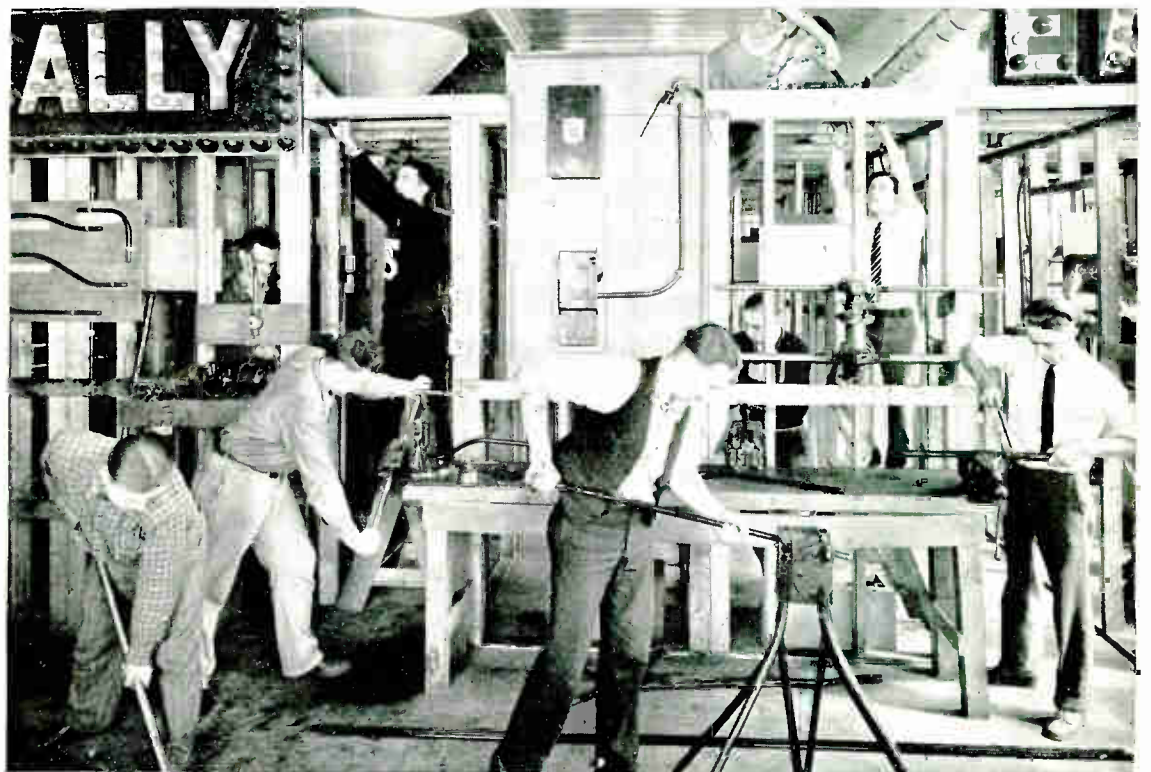
The elementary training SHOWN ON THE OPPOSITE PAGE HAS NOW PREPARED YOU FOR THE TRAINING IN THE WIRING DEPARTMENT. In this department you learn how to wire for lights and power. YOU LEARN HOW TO WIRE HOUSES AND BUILDINGS, ELECTRIC SIGNS, ETC. You learn how to REPAIR ELECTRICAL APPLIANCES and MANY OTHER 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 different kinds of switches.

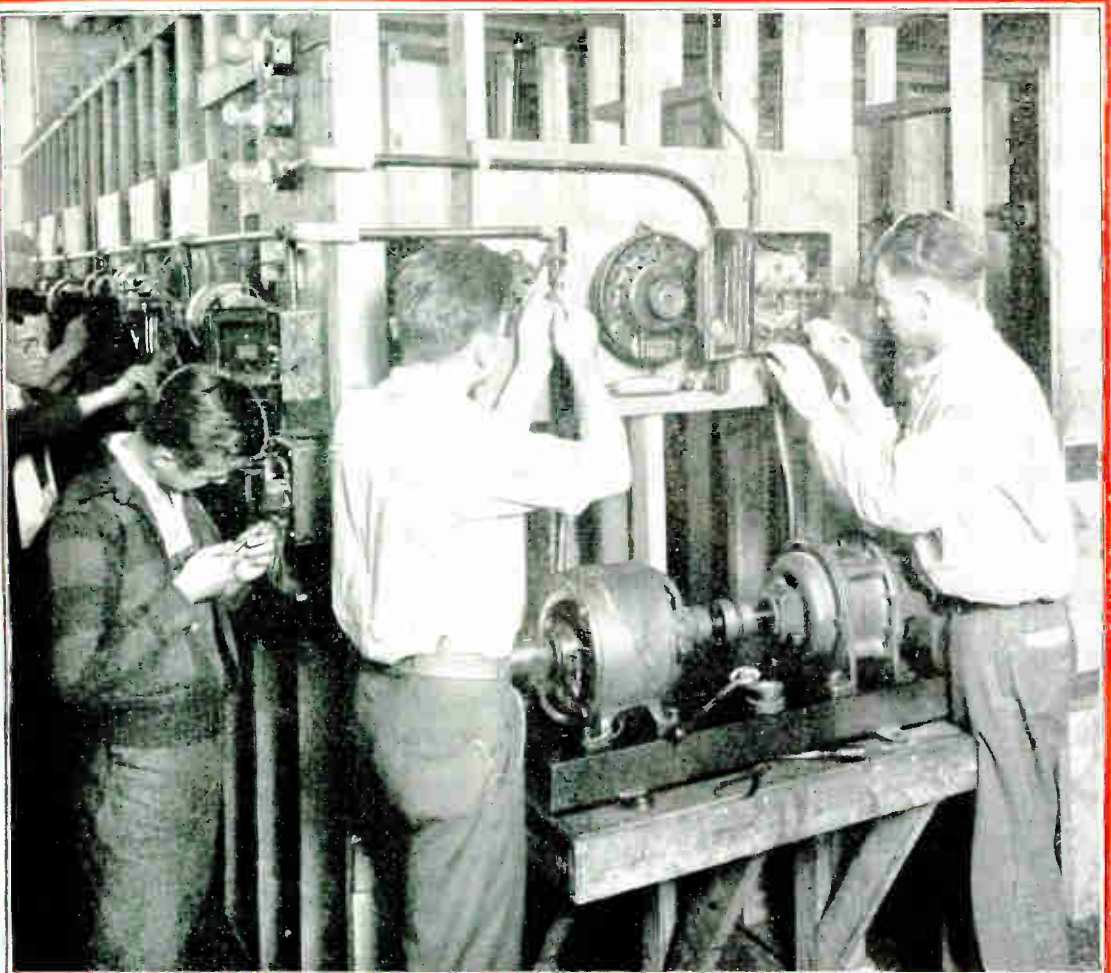


These students are putting in wiring in conduit and BX and learning to wire lights and switches for homes and other buildings.



And this is how you learn to handle conduit. Most of the new and modern wiring for light and power is run in these pipes called conduit. And a practical man working in this line, must know how to bend, cut and thread this conduit. These students are getting actual work with threading dies, bending "hickeys," and in cutting pipe. This is the training that fits my graduates for wiring of houses, buildings, etc.





Here are some of the motors the students wire and test in this department. This actual work teaches them how motors and starters must be wired according to the code, and how to test to locate troubles in the wiring, which might cause motors to fail to operate. This is the kind of training that fits a fellow to do the work on the job.

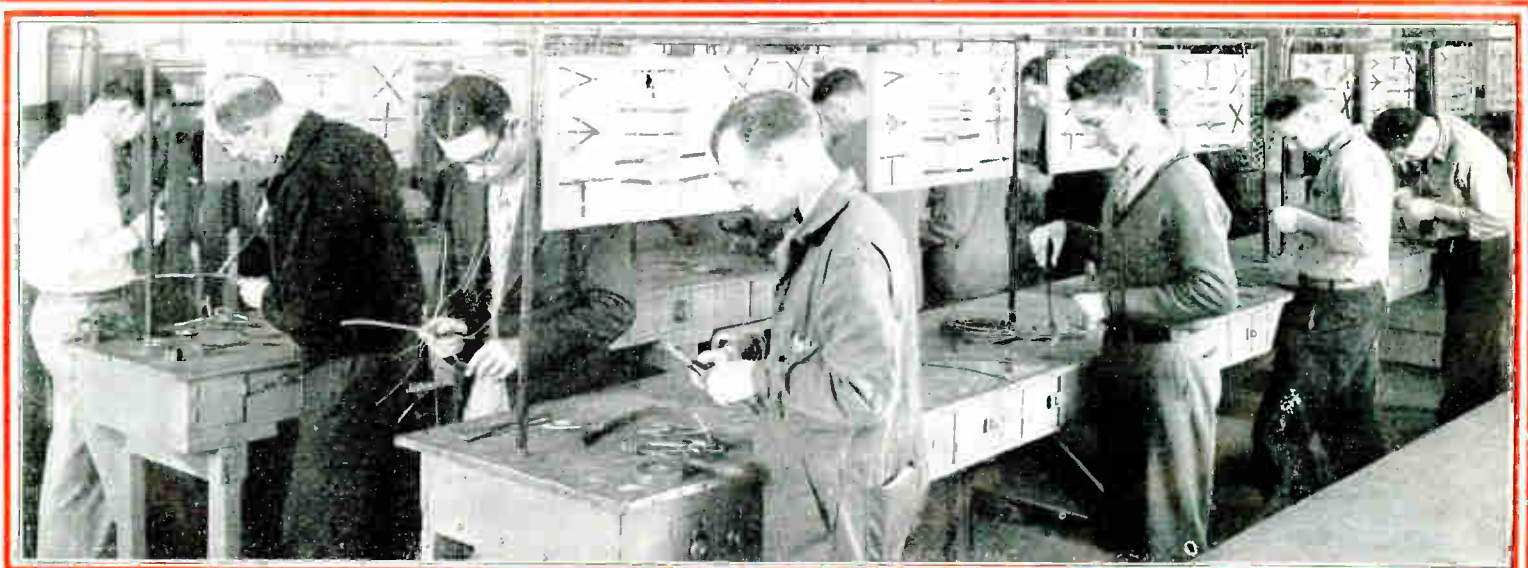
Here is an electric range, with automatic temperature control equipment. These students are learning how it is constructed, and wired, and where to look for any troubles that might develop in such equipment. In many localities where hydro-power makes electricity lower in cost, these electric ranges are being sold and installed by the thousands, creating jobs for trained men to wire and repair them.



**Thanks for Training Method**

"I AM employed by the Electric and Manufacturing Company on a construction job. . . I have been entrusted with the task of making the splices, with over a thousand lights or outlets. . . I can thank COYNE . . . for their method in teaching."

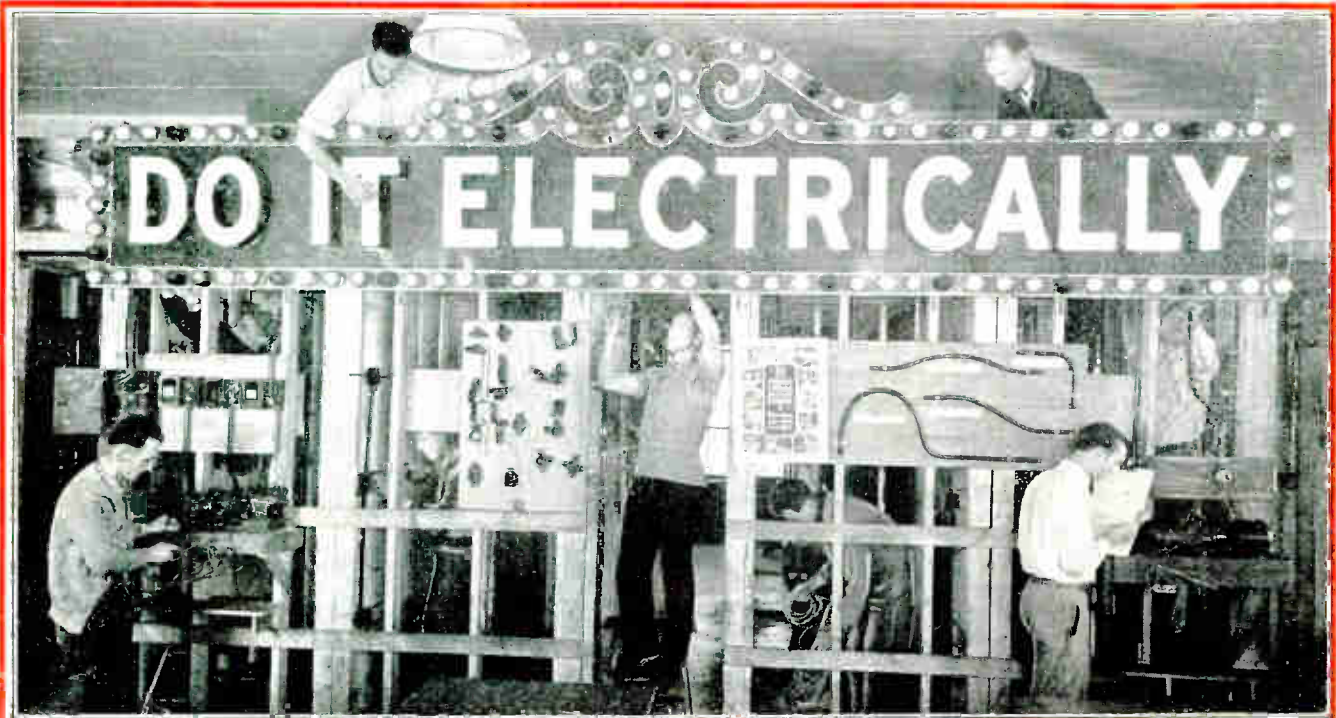
FRANK RAEBE, Canada.



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

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

"SINCE January 18, 1940, I have been employed as a lineman for the Coast Rural Electrification Power Association and needless to say my Coyne training comes to my rescue every single day. I really am a great booster of Coyne." HUGH K. WOOD, Mississippi.



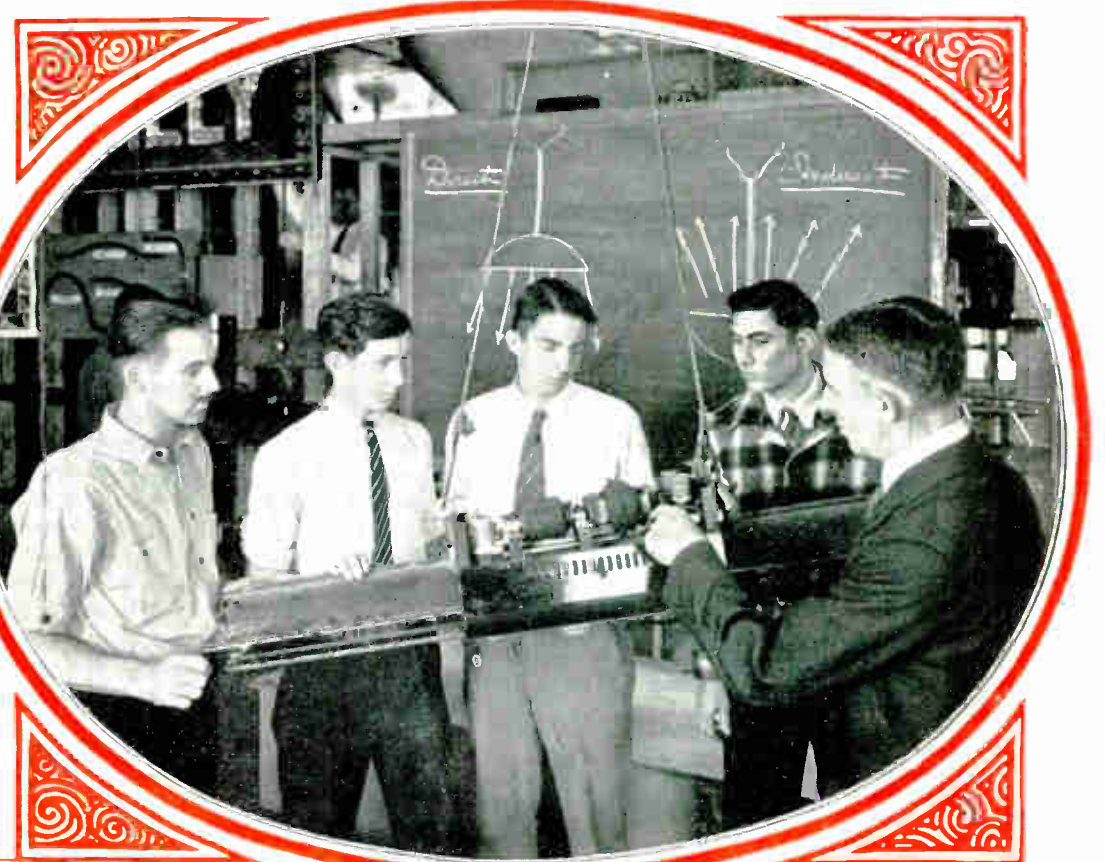




Here you see part of the illumination section, and some of the different kinds of light fixtures you work with. The instructor is showing students how to test the amount of light from each fixture with a "foot-candle meter." You are taught which type of fixture is best for home, office, or factory use.

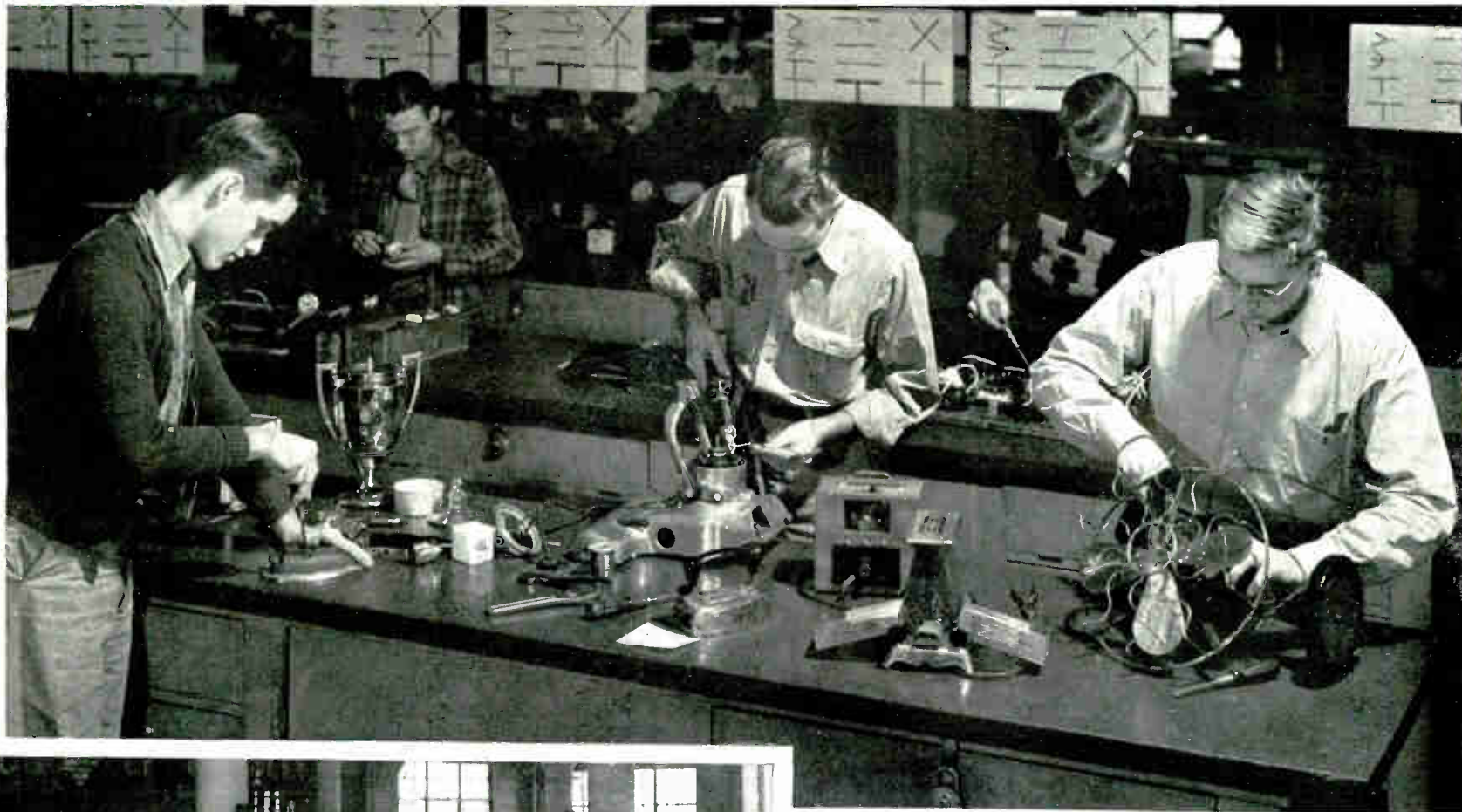


These students are making practical tests on various lighting fixtures with foot-candle meters and light meters. Their instructor is giving them a personal explanation of one of the modern type photocell foot-candle meters. This is the kind of training that makes our graduates real practical men.



Special instruction on the mercury vapor lamp, and the operation and care of these interesting units. Thousands of these lights are in use now, and thousands more installed yearly in the big industrial plants. And the maintenance electrician who can install and repair them is worth more to his employer.

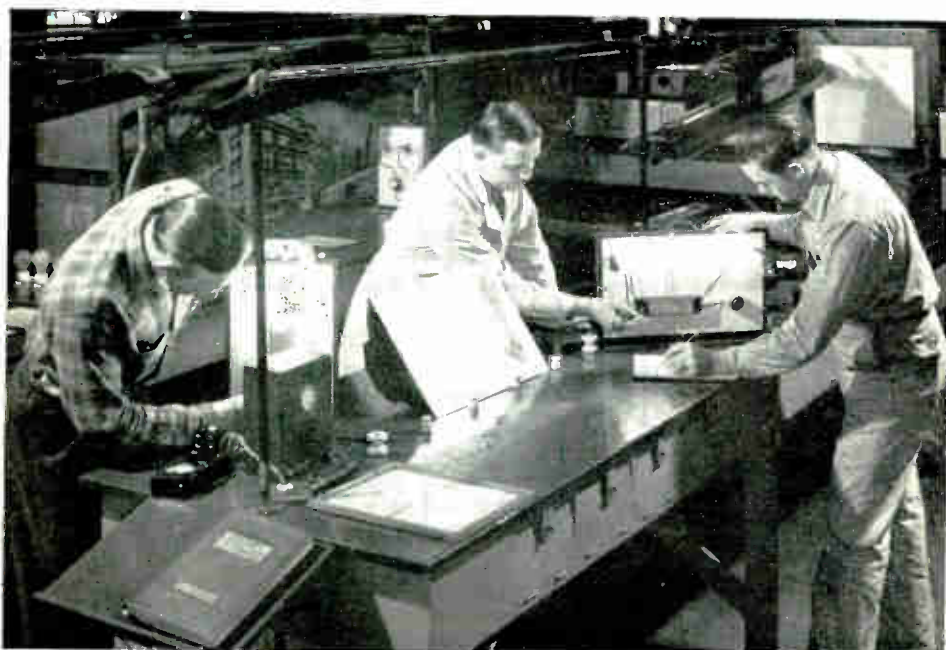




These students are getting practical training and experience, on repairing electrical appliances. Many of our graduates start a business or service shop of their own in this branch of electrical work. Nearly every home today has many electrical appliances and they often need repairing and going over by a trained man.



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 modern units. This type of lighting equipment is becoming more popular every day for factories and industrial plants to give day-light working conditions to night workers.



Student and instructor working together on the testing and demonstration of special color display lighting equipment. Colored flood-lighting is being used more and more for displaying merchandise in store windows and in other ways.

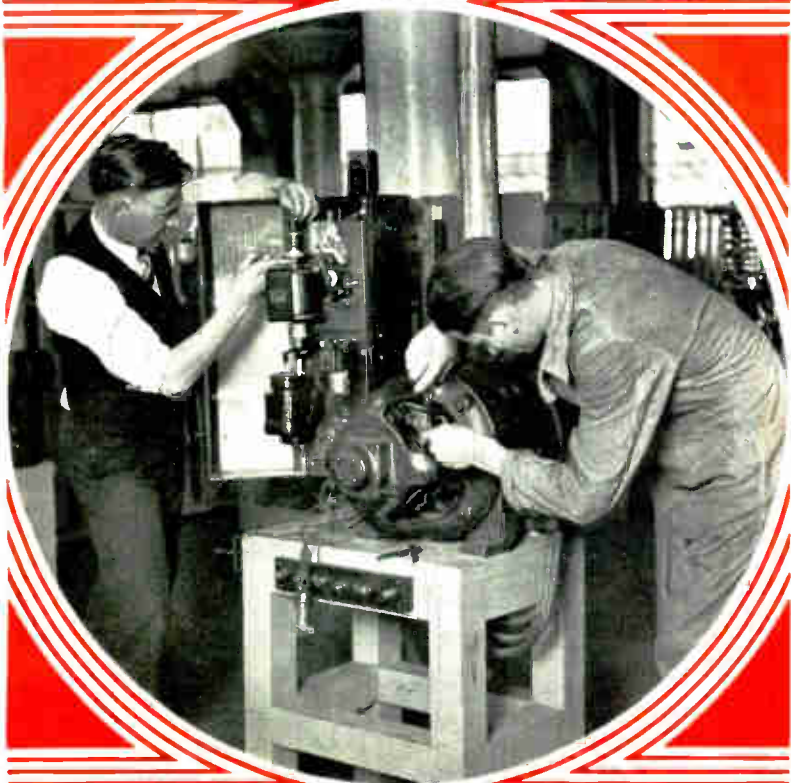


# On These Four Pages You See Students At Work in the **D.C. POWER and ARMATURE WINDING DEPARTMENT**

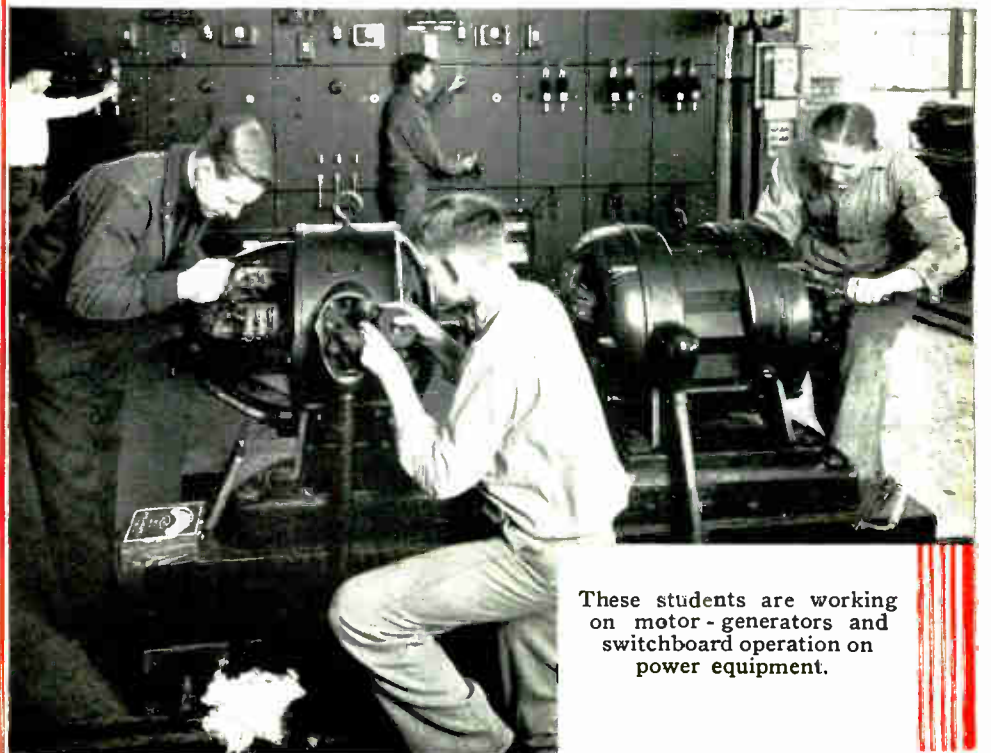
In this department the DIRECT CURRENT MOTORS, POWER, and ARMATURE WINDING DEPARTMENT, you get into the most fascinating work of your course so far. You are now ready to apply many of the things you have been taught in the first department to the actual operation, care and repair of real DIRECT CURRENT POWER EQUIPMENT. Your instructor first explains the operation of D.C. (Direct Current) MOTORS, using actual parts of a machine and interesting blackboard sketches. These he shows you how to connect up, test and run the motors themselves. In this way you prove out the things he has told you and by doing the work on the equipment yourself, you are getting actual experience. You are then taught to operate, service and repair starters and speed controllers, how to connect motors for dynamic braking—the use, operation and care of different types of generators, switchboard circuits and operation—the use, care and operation of Direct Current meters and instruments and other D.C. equipment of many types. This training PREPARES STUDENTS FOR OPPORTUNITIES in POWER HOUSES, MANUFACTURING PLANTS, MINES, INDUSTRIAL CONCERNS and ON RAILROADS and OTHER PLACES DIRECT CURRENT IS USED. THE EXPLANATION AT THE SIDE OR BELOW THE ILLUSTRATIONS GIVE YOU THE STORY OF THIS DEPARTMENT—Please read them.



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 I mean by "learn by doing" training.

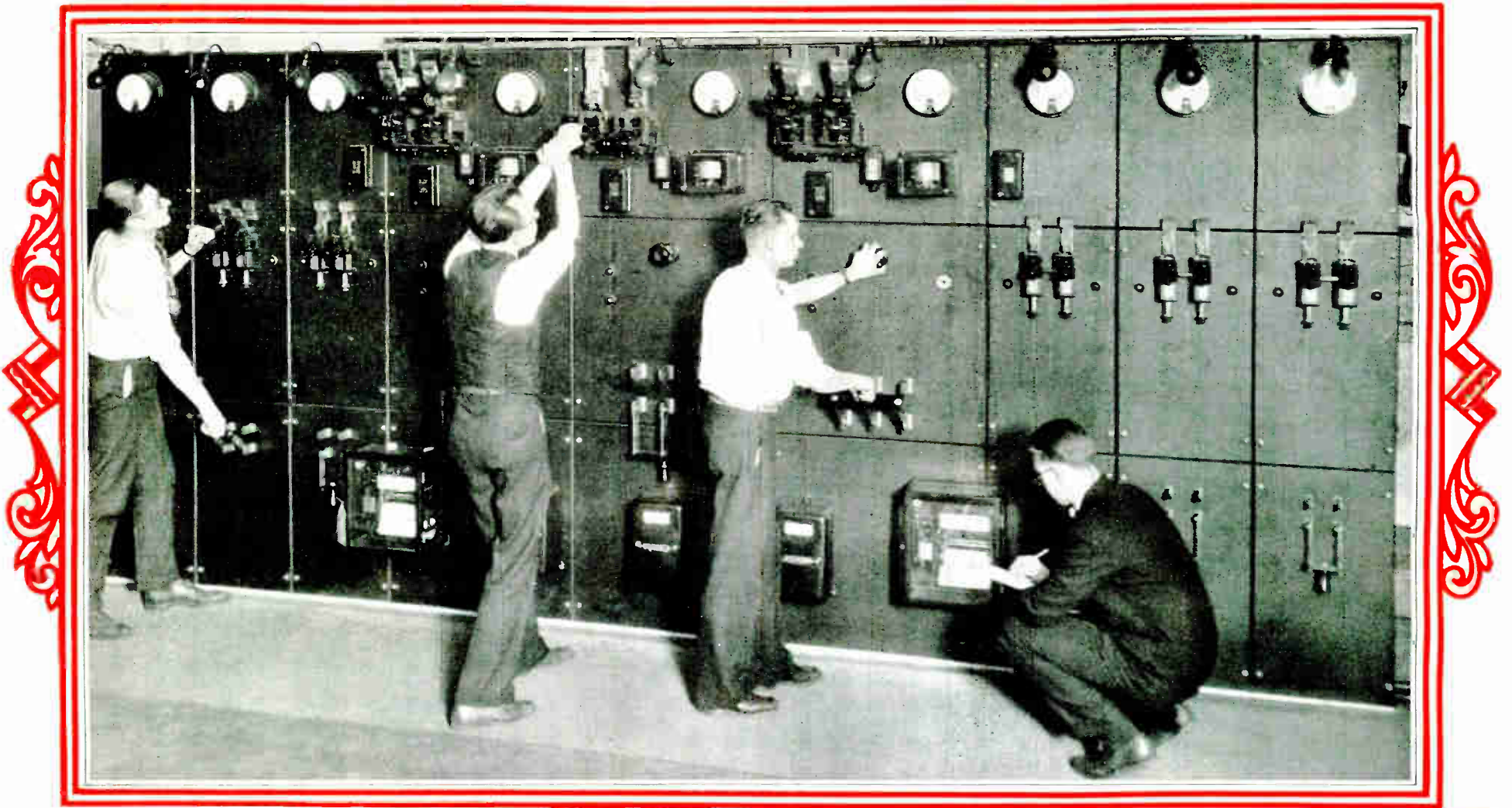


These students are being trained in the operation of an automatic controller and compound motor, and to make the same test and repairs they may be called upon to do in the field.

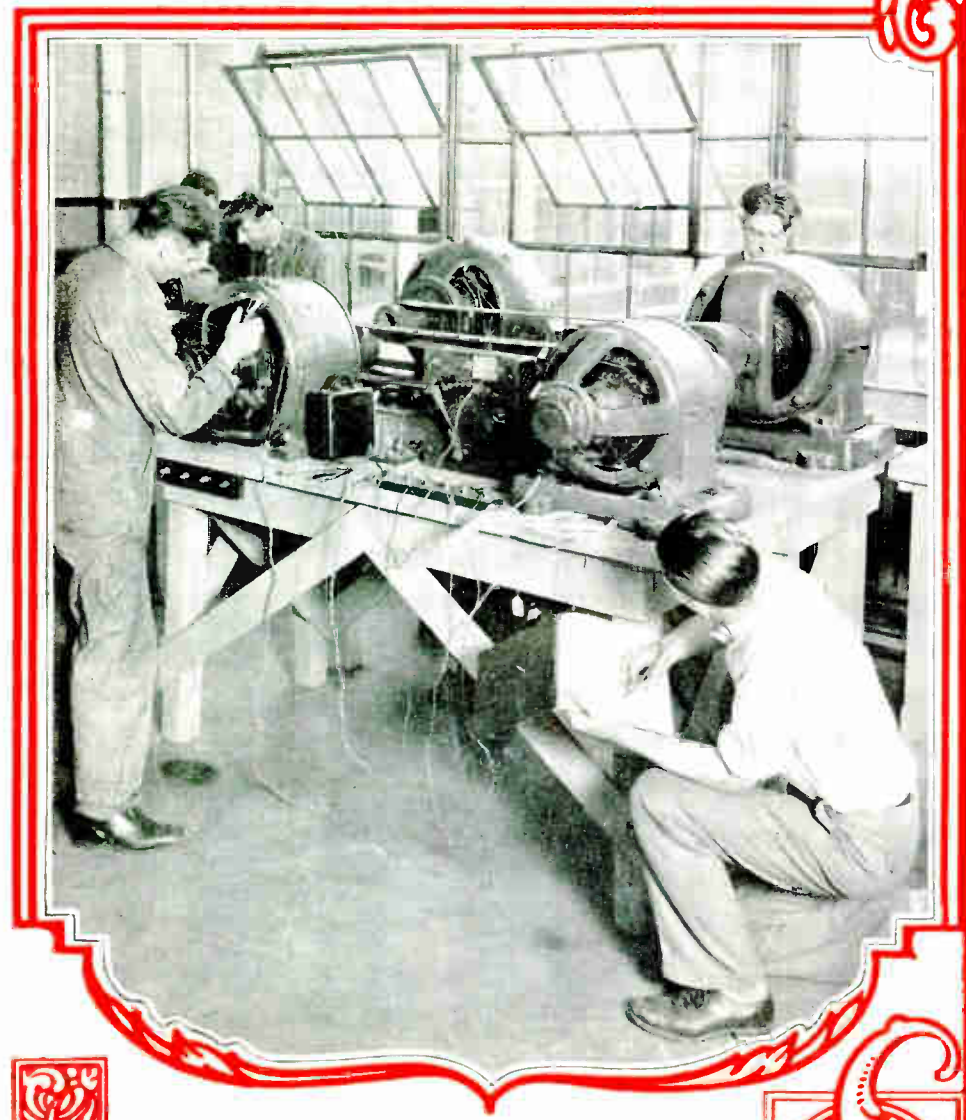


These students are working on motor-generators and switchboard operation on power equipment.

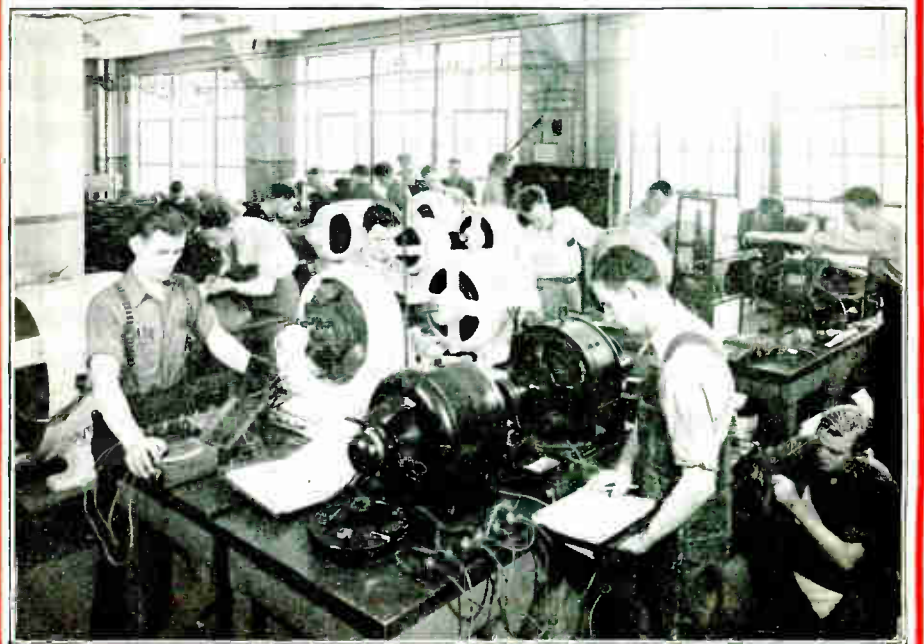
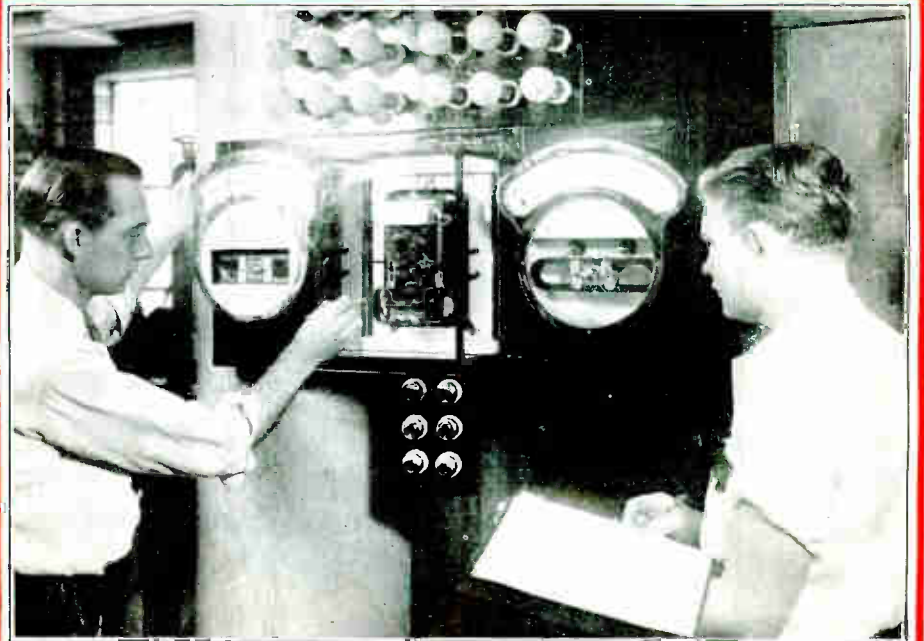




Here are students getting real operating experience on a large power D. C. Switchboard. They are taught to connect and operate generators in parallel, and to take care of circuit breakers, switches and instruments. This kind of training is valuable in power plant or substation operating work, and many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

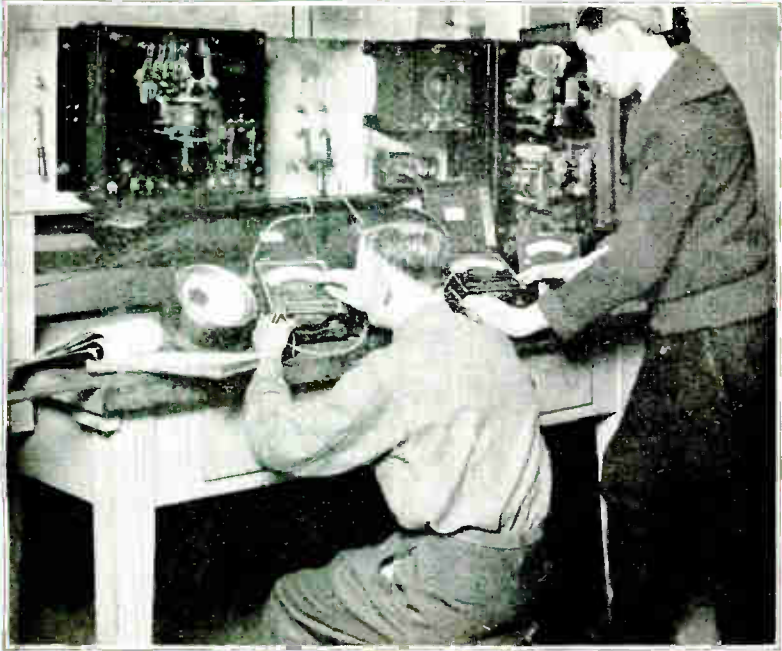


These students are operating and testing motor generator sets, building up voltage, and measuring the output of these units.

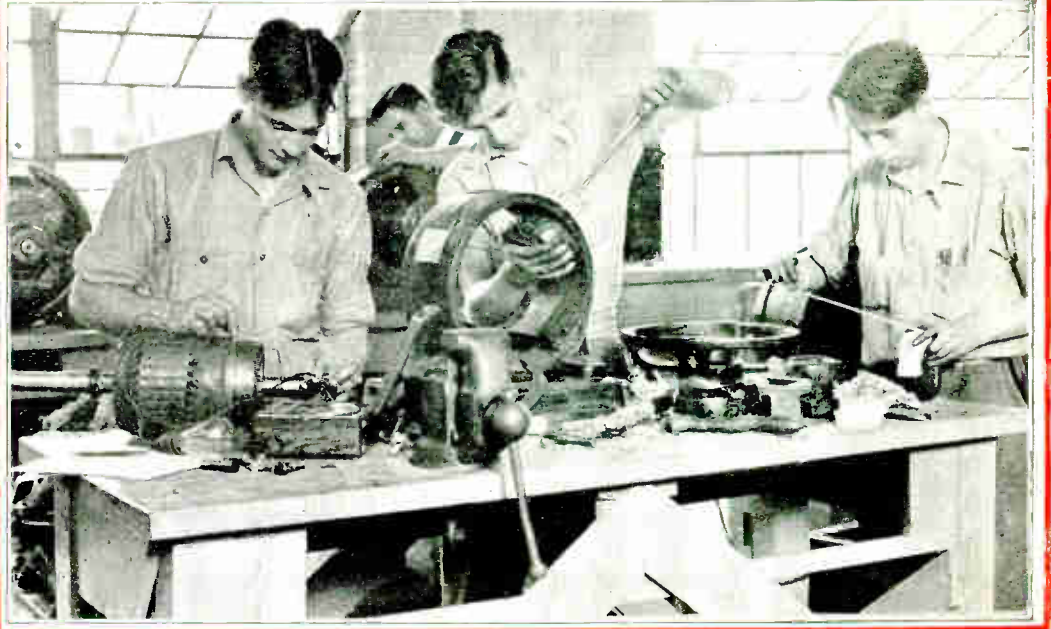


Upper view shows student receiving personal instruction on D. C. meters. Lower view, these men are making generator voltage tests and horsepower and efficiency tests on D. C. motor generators.





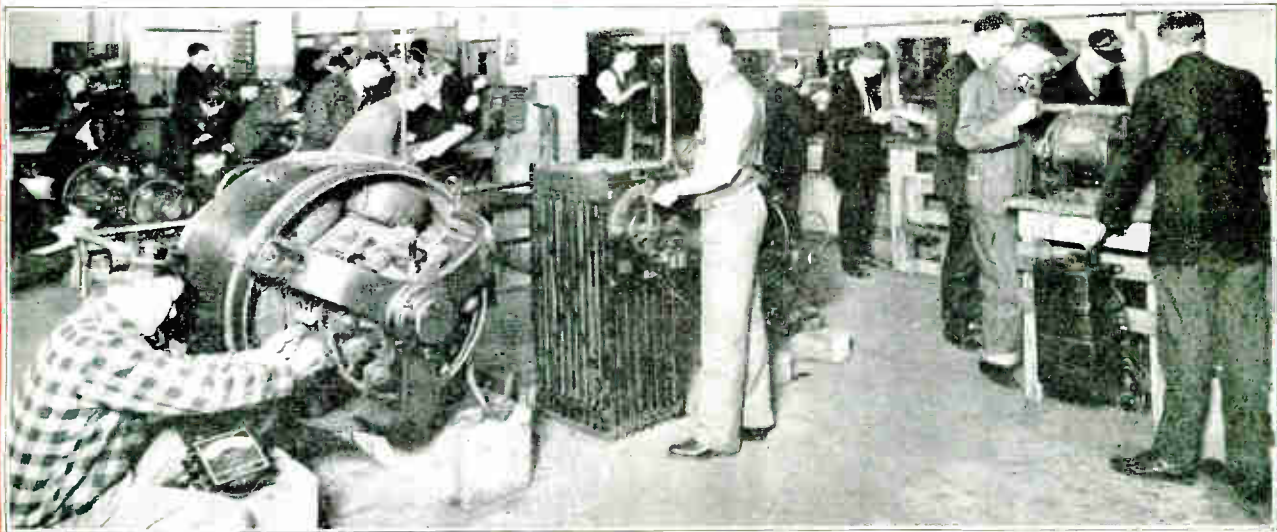
This is how our students test automatic remote control equipment, and are taught how to quickly locate troubles, so they can save time and money for their employer on the job.



Real practical training. These students are completely overhauling and repairing a D. C. motor, and repairing the field coils, and the commutator and armature. The armature can be called the heart of D. C. motors. These naturally require attention from time to time.

### Work the Same as at Coyne

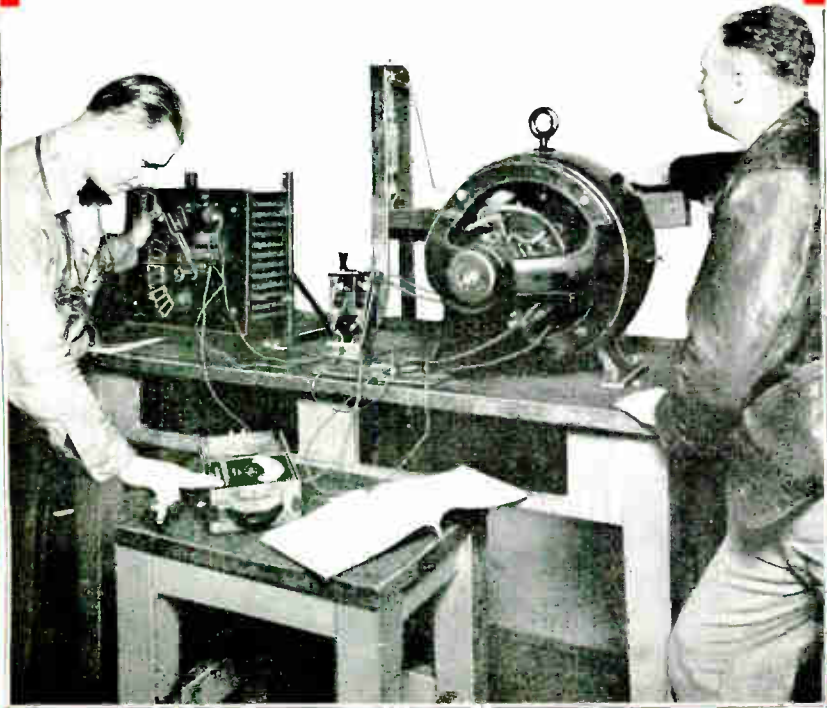
"It is a pleasure to let you know how I am getting along. As you probably know, when I completed the 12-weeks' training, Coyne had a job waiting for me. . . I have been doing all kinds of work including servicing automatic boards, motors, starters and installing meters, conduit, transformers, etc. So far, I haven't hit a stump—it is just the same things that we had in the COYNE SHOPS" — GARLAND JACKSON, New Mexico.



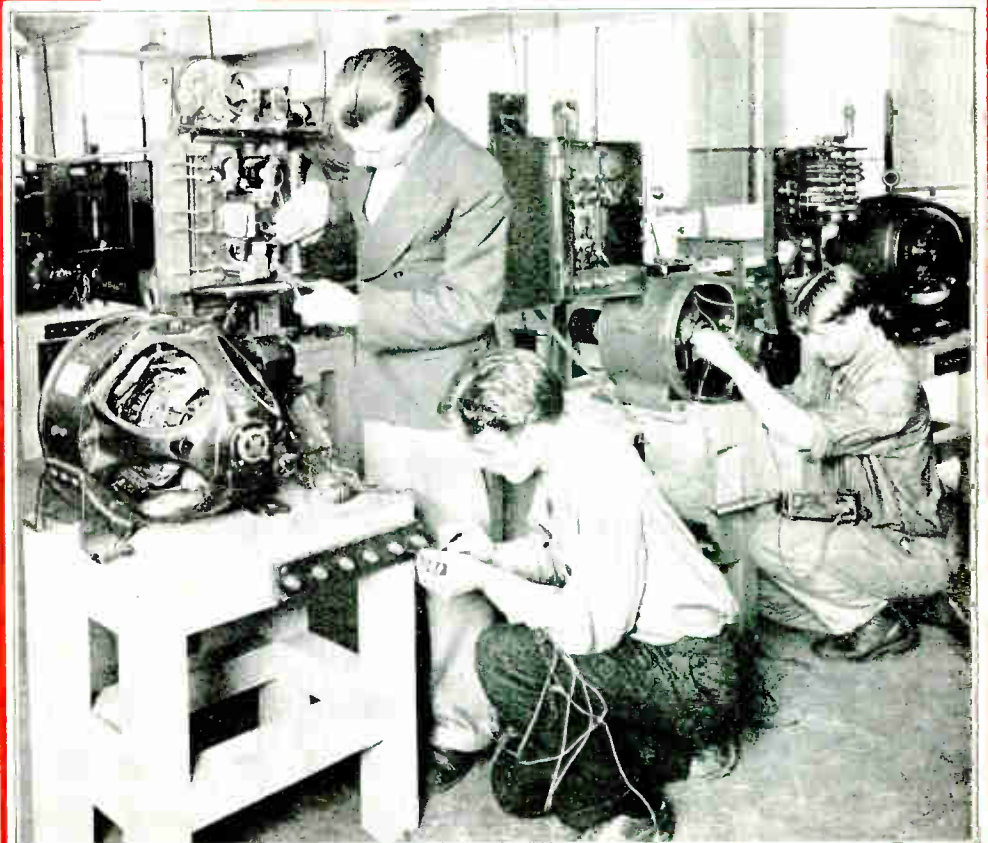
### Substation Maintenance Operator

"I have a job with the Power Company. Substation maintenance is my work and I like it real well. . . I got my job with this company the following week after I put in my application. . . I feel now that the greatest thing I ever did was when I enrolled at COYNE." — JAMES DUBLE, Ohio.

Here you see several students testing and operating D. C. machines. The large machine at the left is used to make practical demonstrations of a dynamic brake test on large motors. Here you see students doing work on advanced equipment, 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.

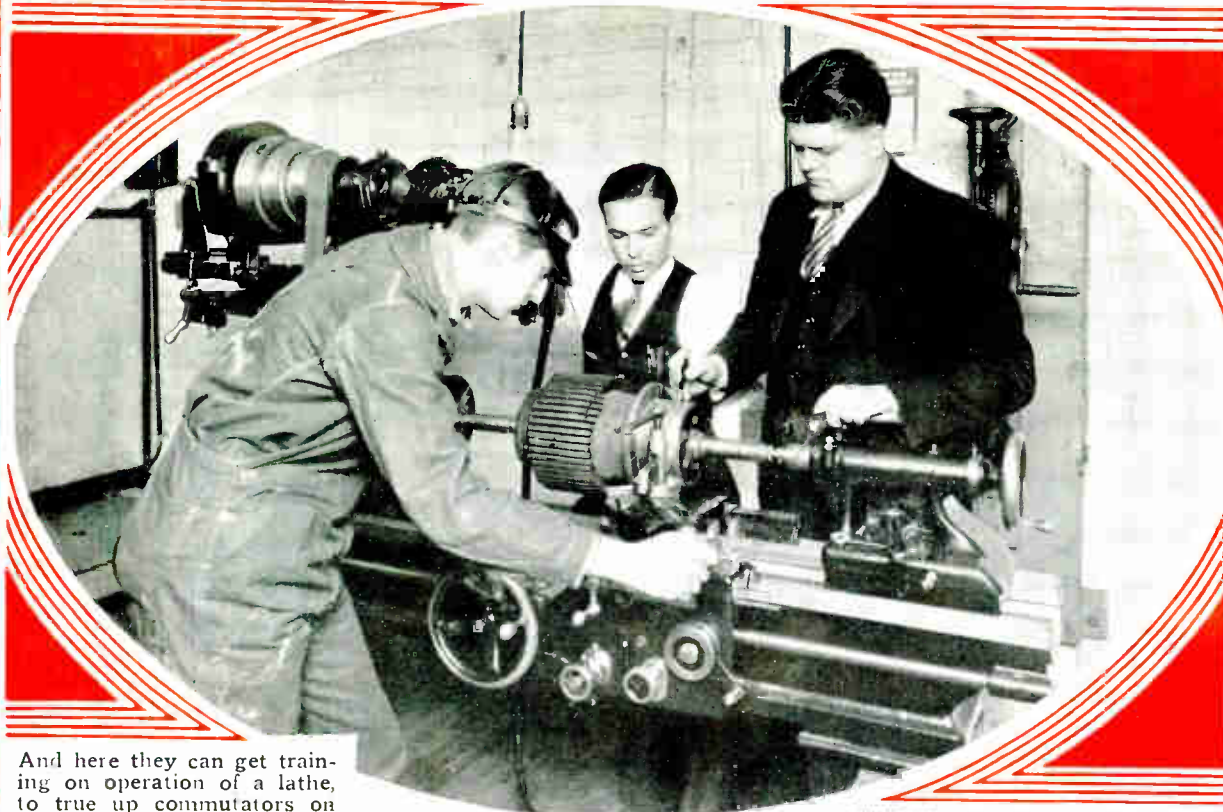


And this is a horsepower test. You test the horsepower and efficiency of motors, and select the proper motor for various jobs they are used on.



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

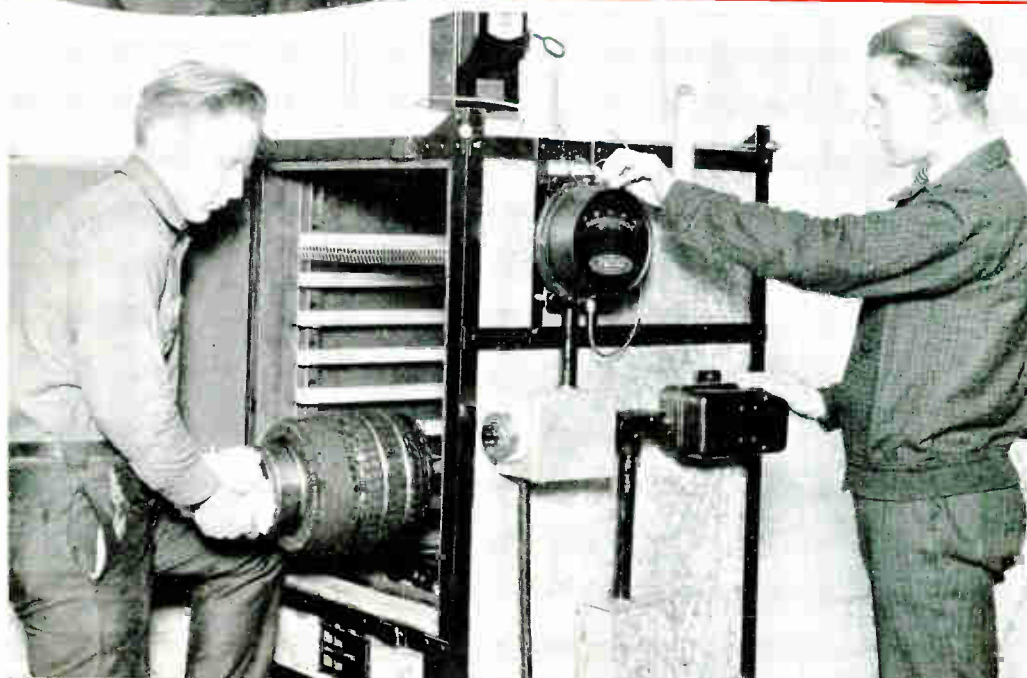




And here they can get training on operation of a lathe, to true up commutators on armatures. The instructor shows them how to grind and set the cutting tool, and how to make a nice smooth cut on the copper.

### Promoted to Supervisor

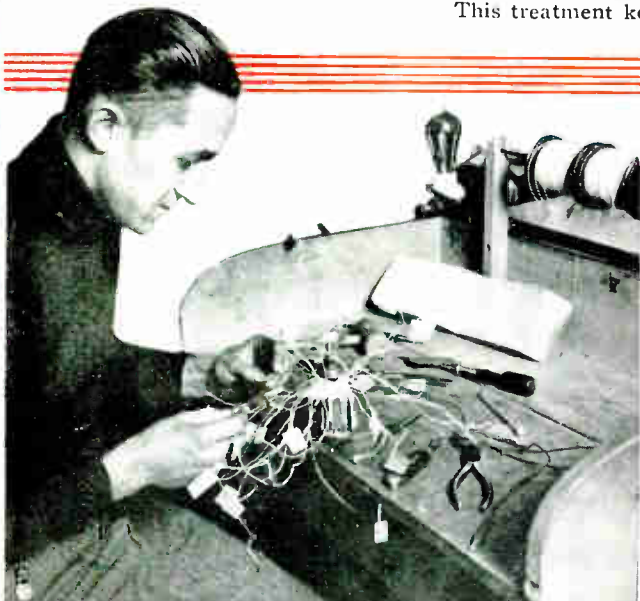
"I was transferred from the Inspection & Test Department to Supervisor of the Armature Winding Dept. . . . Now I was just wondering if there might be at Coyne a recent graduate whom you could recommend. . . . I believe I could get him a place in our Winding Dept. as a Group Leader in the near future."—JAMES LEACH, Ohio.



These students are operating the electric bake oven, and just removing an armature that has been wound, covered with insulating compound and baked, to protect the insulation. This treatment keeps out the moisture, oil and dirt that would otherwise ruin the winding.

### Thanks Coyne for Help

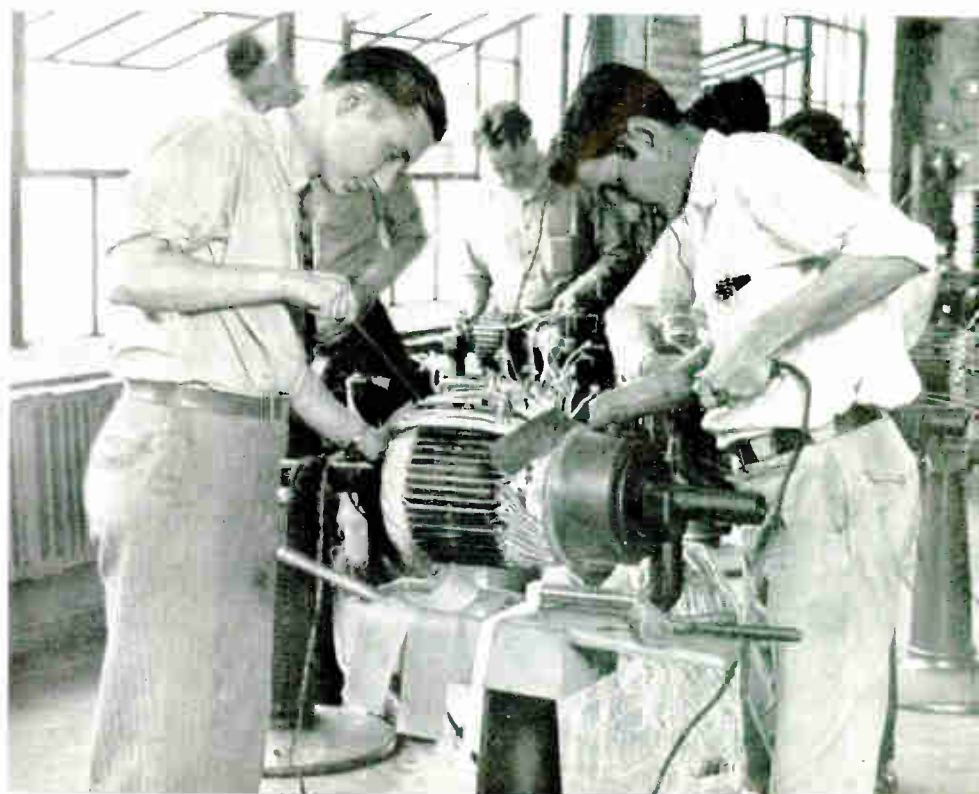
"I was hired by the Electric Light & Power Co. as a frequency changer floor-man. . . . I like the work fine and am proud of my Coyne knowledge of electricity. Thanking you for your help in my interest, I am."—RAY BRAMLEY, Missouri.



This man is testing a finished winding of a small D. C. armature, before connecting the leads to the commutator. These actual wire windings you do first on these small armatures get you acquainted with the use of tools and handling of coils, so you are ready for the large windings which come next in this department.

### You Operate the Armatures You Wind

After you have wound the armature under the guidance of an instructor, you then put it in a motor frame and get the thrill of seeing the armature you wound spin merrily in its motor.



Above you see our students removing part of an armature winding, to repair some bad coils. This kind of real experience teaches them the proper use of soldering irons and tools, and the right methods to save time and do first class work.

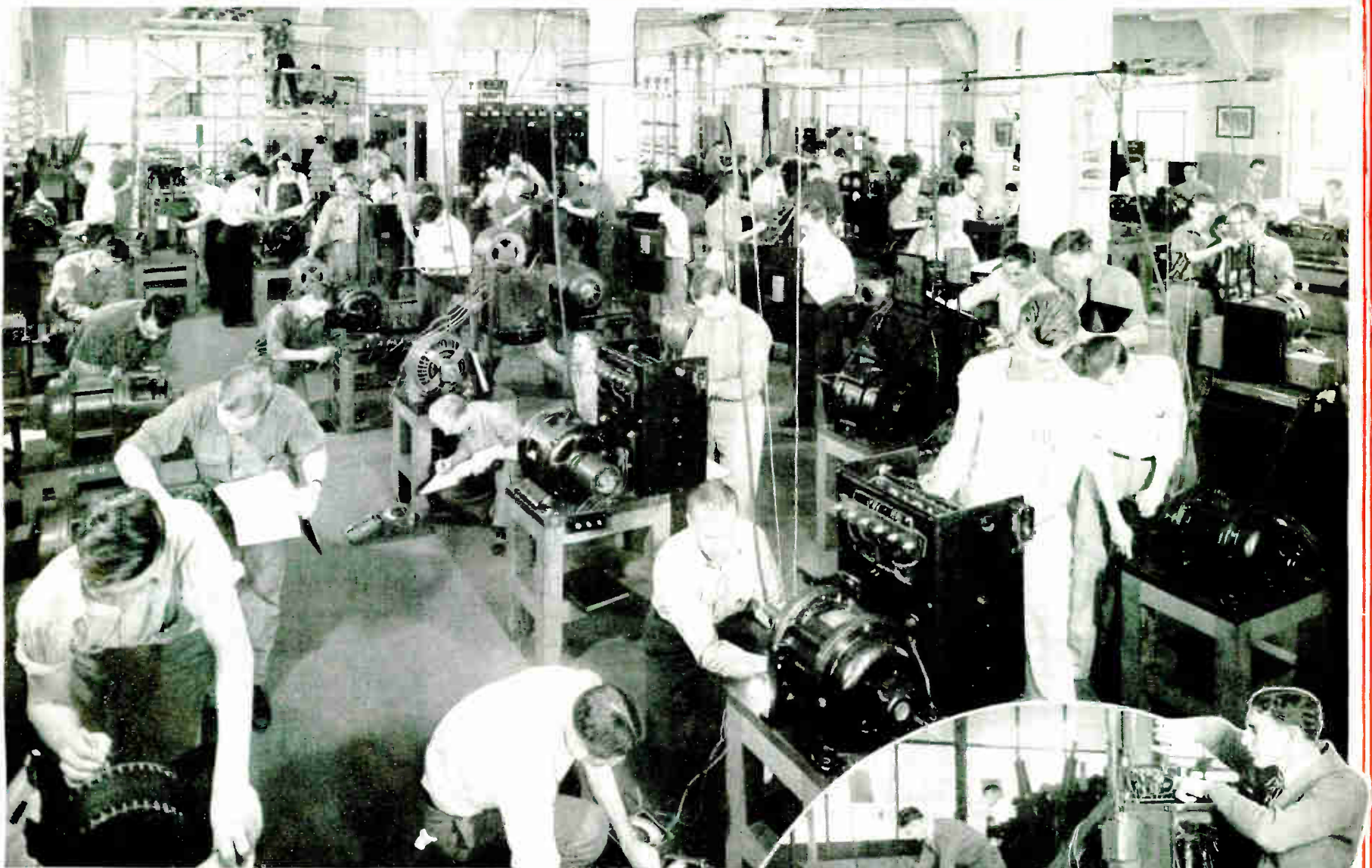
This student is testing an armature on the growler, a machine for quickly locating trouble and faults in windings. This kind of instruction helps our graduates to get right at the cause of armature troubles without waste of time.





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

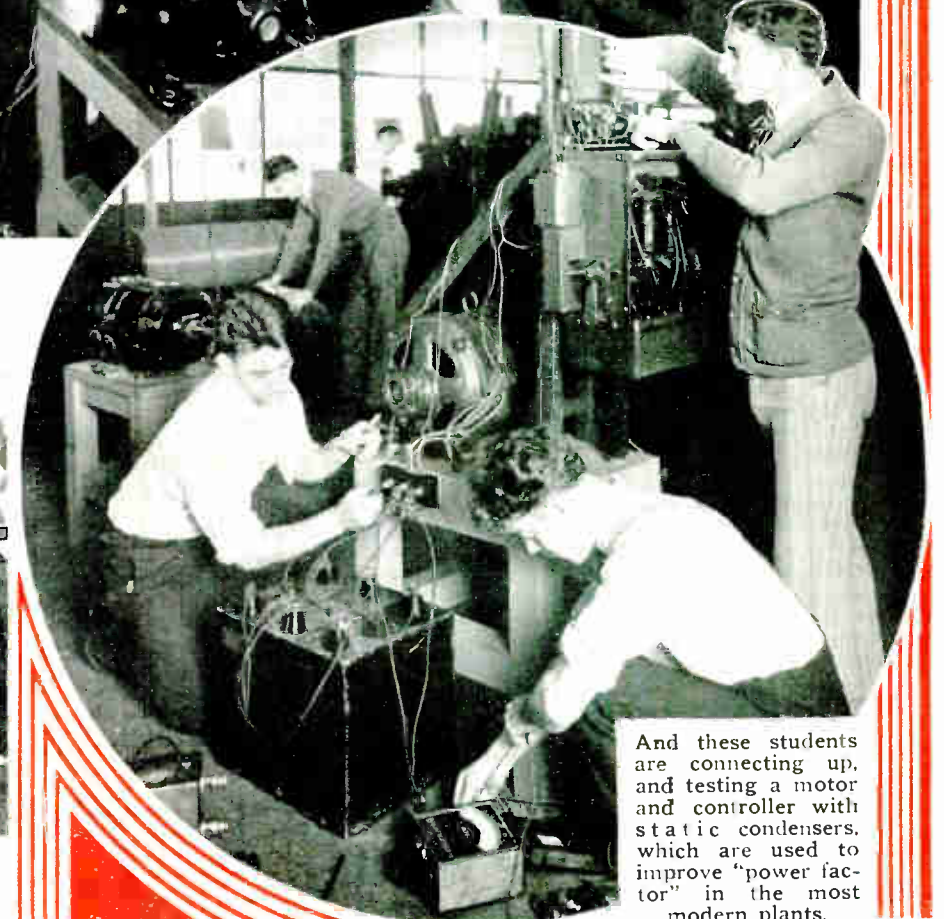
In the ALTERNATING CURRENT POWER, MOTORS and STATOR WINDING DEPARTMENT you learn to service, operate, and repair, equipment that is used in practically all of the large power plants of the country and in the majority of the thousands of great electrically equipped factories and industries. You will have actual A.C. (Alternating Current) 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. We even use motion pictures along with the practical talks to help you grasp certain facts about Alternating Current and the construction and operation of A.C. Power Equipment. You start by wiring and testing small motors and then gradually progress to the larger and more advanced machines. In this department, just as all through our course, your work has been arranged so EACH JOB IS JUST A STEP AHEAD OF THE LAST. After you understand the motors and controllers you are taught the care and operation of A.C. Generators, you get real power plant switchboard operation training and practice, you get instruction in arc welding and many other kinds of work on A.C. equipment.



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. In the far background you will see men working on top of substation apparatus.

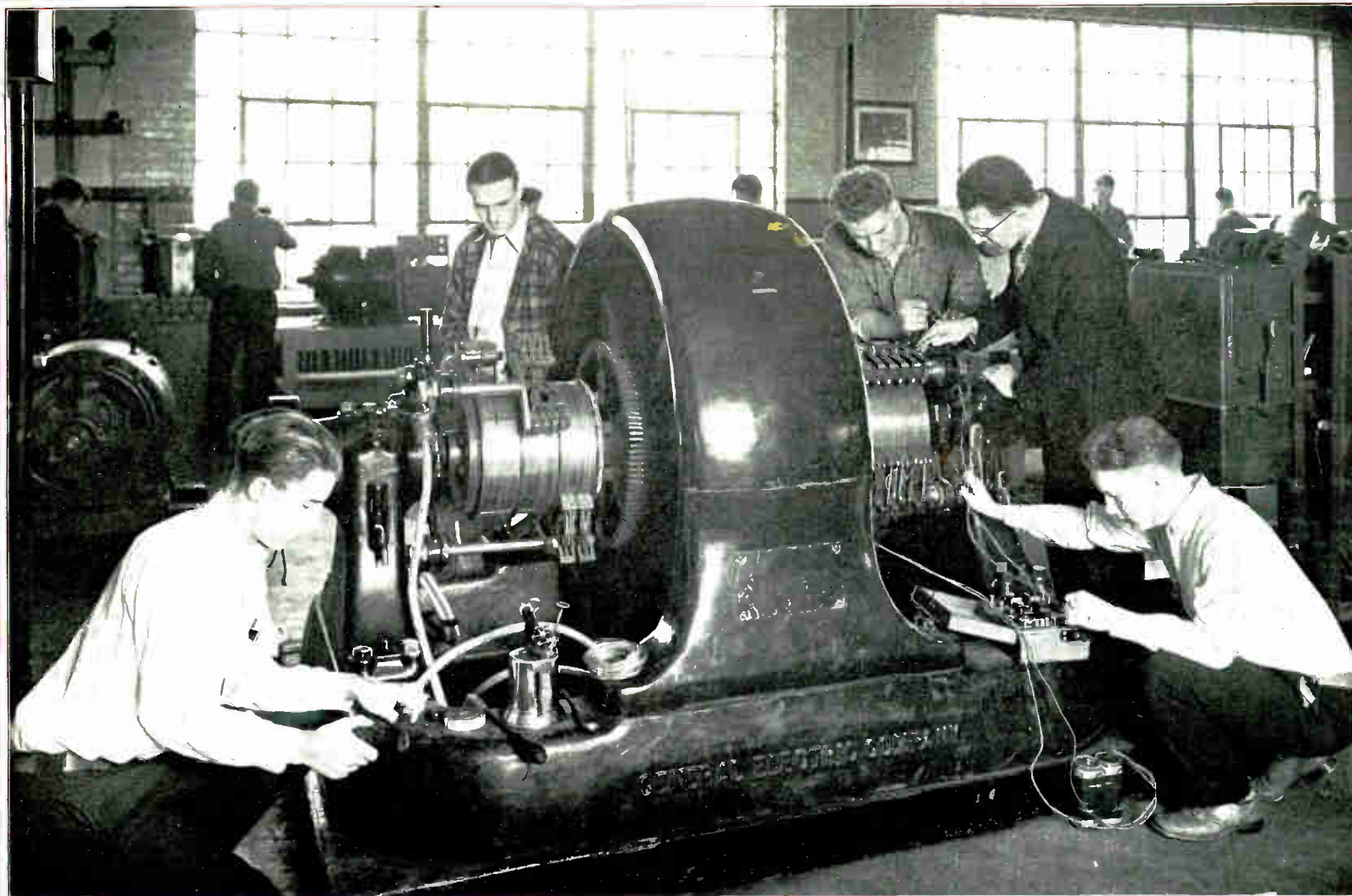


These students are testing the horsepower, efficiency, and power factor of induction motors, essential training for the practical maintenance man.

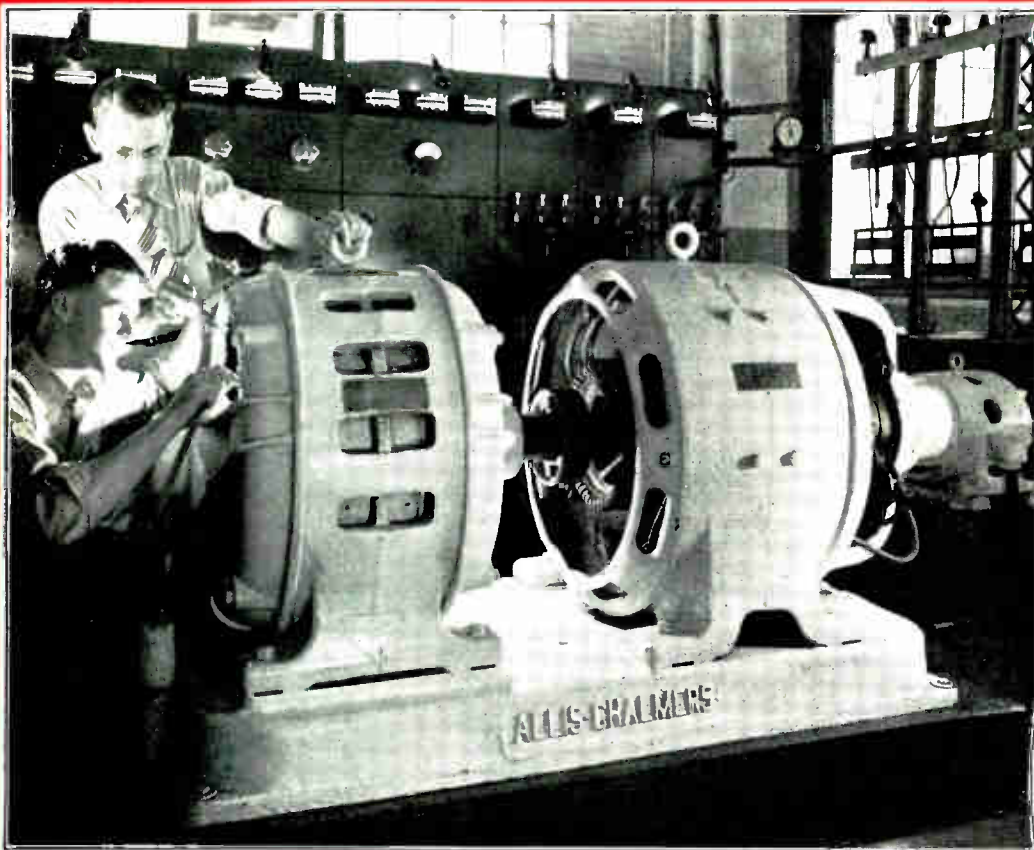


And these students are connecting up, and testing a motor and controller with static condensers, which are used to improve "power factor" in the most modern plants.





Here you see some students working on a synchronous converter, and making some very interesting connections and tests, under the supervision of the instructor on the right. These machines are used to change Alternating Current to Direct Current. It's the actual work on such equipment that gives Coyne graduates ability and confidence, in their work.



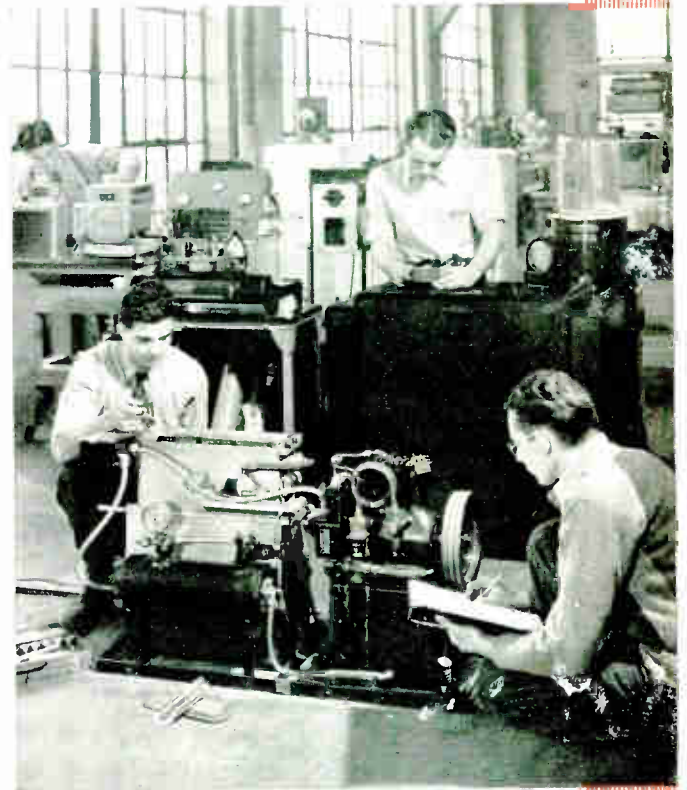
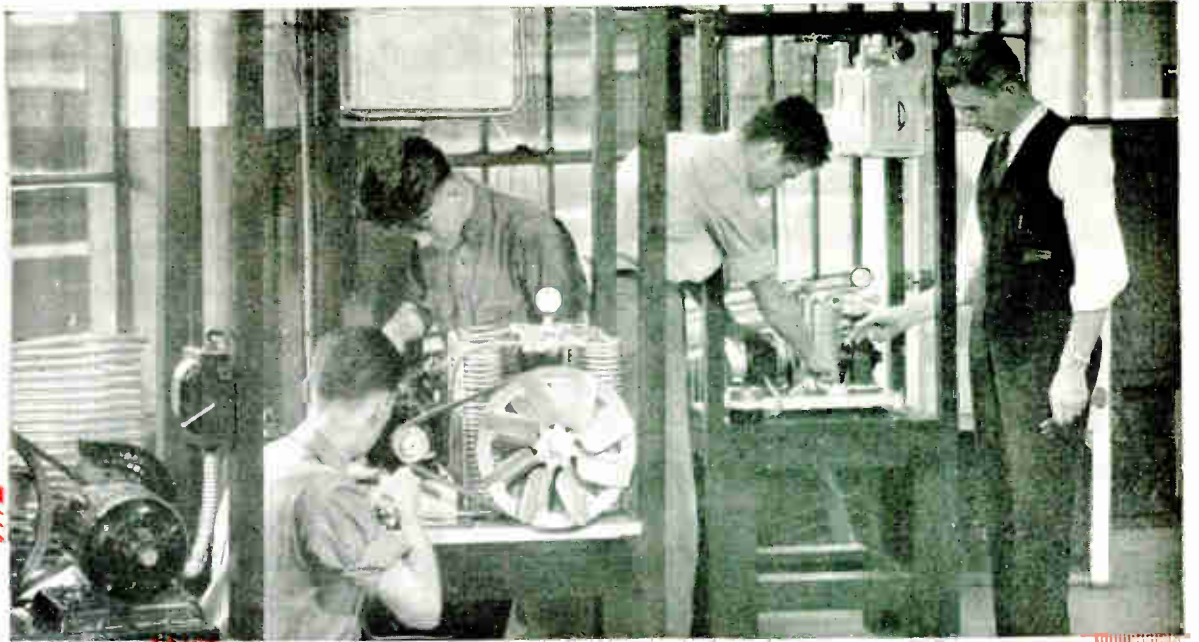
Instructor explaining operation and testing of a large motor generator in our Alternating Current Department. This type of personal instruction on real Alternating Current Power Equipment is the kind of instruction that makes a fellow more valuable when he is in the field working in an electrical job.



The picture on the right shows an instructor explaining the operation of some photo electric cell control equipment with which these students are working. Actual experience on such interesting equipment is valuable on many jobs.



Students making tests on Refrigerating units. Note the special equipment making it easy for the student to inspect and handle every part of the machine.



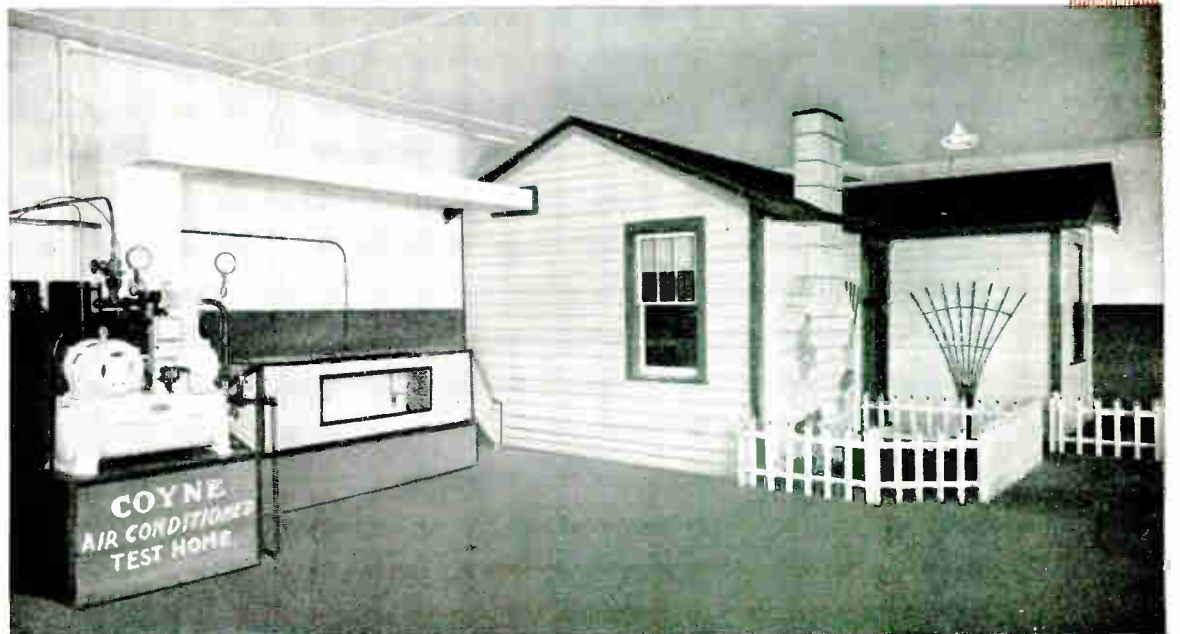
These men are making practical tests and adjustments on modern room cooling units in our Refrigeration and Air Conditioning Department. Practical shop work of this nature on late type air conditioning units helps you to qualify for this interesting branch of electrical work.

To the left is another interesting view of the Refrigeration and Air Conditioning Department. Many types of refrigerator units can be seen. The orderly arrangement of work benches provides plenty of shop space.

### Coyne Training Repaid Him Many Times

"AFTER I was ready for work in the field . . . Coyne came to my aid. . . I am now in charge of refrigeration and electrical equipment of this plant and territory . . . Coyne training has repaid me many times."—PAUL SENSEL, Illinois.

In this Bungalow, containing a well equipped Test Laboratory, Coyne students study temperature control, moisture content, etc. At the left of the bungalow you see the air conditioning unit.





*Now That  
You Have Had a  
Practical Training  
in Electricity...*

# Let Me Show You How to Apply It To **AUTOMOTIVE, AVIATION** and **DIESEL Electricity**

**IMPORTANT**—The training you get in this department is in addition to the regular 12 weeks' training. It is given you at no extra tuition cost. However, if you wish to receive this training **YOU SHOULD PLAN ON SPENDING 3 MORE WEEKS** in the shops in addition to the 12 weeks' time required for the regular electrical training.

**N**OW that you have received the Electrical training in all of the preceding departments, you need only to know how to apply this electrical knowledge to the work in this department. Each phase of electrical work you have covered in our general course will help you to better understand these branches of Electricity.

## **Automotive Electricity Offers Opportunities to Trained Men**

**T**HE AUTOMOTIVE FIELD offers splendid opportunities to our graduates to work for modern garages, dealers and service organizations or to start a business of their own. **MANY OF THEM HAVE STARTED UP AN AUTO IGNITION AND ELECTRICAL SERVICE SHOP** on very small capital and are **TODAY ENJOYING A PROFITABLE BUSINESS.**

You work on a number of **complete engines, farm light plant engines, etc.** You wire, time and operate and get actual electrical trouble shooting work on real running engines. We also teach you about valves and timing and those things so closely linked to ignition for the proper operation of an engine.

You overhaul, test and repair generators, starting motors, cutouts, coils, condensers and magnetos of different types and get plenty of experience with the proper tools and instruments used in repairing and testing these parts. You recharge magnets, and test spark plugs, magnetos, and various ignition devices. Then, there are special ignition test benches, late type motor analyzers and other modern ignition test equipment on which you are trained to locate defects in various systems out on the job. In all of these jobs of wiring, timing, trouble shooting and repairing you have the instructor's ever-willing help to make each step clear.

There are numerous construction com-

panies, oil companies and even ranches that use **entire fleets of tractors and pay well for men to keep the electrical system of these machines in tune.** That is why we give you practical work on ignition trouble shooting to prepare you to handle this type of work. There are many localities where this work is very profitable and your work on various types of engines and magnetos in this department prepares you to find and fix common electrical troubles on tractors.

You also learn how to charge, test and repair **STORAGE BATTERIES, WITH HYDROMETERS, METERS, CHARGING EQUIPMENT AND HY-RATE DISCHARGE TEST UNITS.** In fact, you are trained in the practical phases you need to help you take charge of **AUTO IGNITION, ELECTRICAL and BATTERY WORK FOR SOME SHOP OR TO RUN ONE OF YOUR OWN.**

## **Diesel Electric Power**

**W**Henever a new feature comes out or an old one develops to such an extent that we feel it will be of value to our students to have a knowledge of it, we add it to our training.

Now, while the Diesel engine is not a new invention it has only recently sprung into prominence and up to this time I feel its uses are somewhat limited. However, because it is being used in some industries I feel our students should have instruction **where the functions of the Diesel pertain to electricity.**

Therefore we have added instruction in this field. Now we **DO NOT** teach the mechanical work, such as overhaul, repair of mechanical parts, etc. We believe this work belongs to the man who wants to confine his efforts to mechanical work on automobiles, for I can only feel after all that the mechanical work, such as overhauling and repairing cannot differ greatly in principle from that of the gasoline engine.

Just as I feel **THE ELECTRICAL WORK**

Here is a part of our Auto Department. Note how well lighted and ventilated these working quarters are, and the roomy, convenient working conditions that are typical of all our shop departments. In this department you get real work with many kinds of electrical equipment and on automobile and airplane engines and farm lighting plants. You get actual wiring, timing and trouble shooting on all these different types of engines, on real running tests.

on an automobile offers much better opportunities than the mechanical work, I feel our training in Diesel Engines should be confined to the functions that pertain to electricity.

Therefore, it is occasionally an advantage to the trained electrical man working in a garage or power plant, or on railroads or ships, to have some knowledge of the fundamentals and operation of Diesel engines.

We do not offer any courses in Diesel Engineering or Diesel Engine mechanical work. We do, however, give you training only in the practical Diesel Engine operation, **WHICH WE BELIEVE MAY BE OF VALUE TO YOU IN YOUR ELECTRICAL WORK.**

## **You Get Aviation Ignition Training**

**T**O MAKE our course more complete and **TO MAKE YOUR TRAINING MORE VALUABLE TO YOU,** we have included **ELECTRICAL TRAINING IN THIS GREAT NEW FIELD—AVIATION ELECTRICITY.**

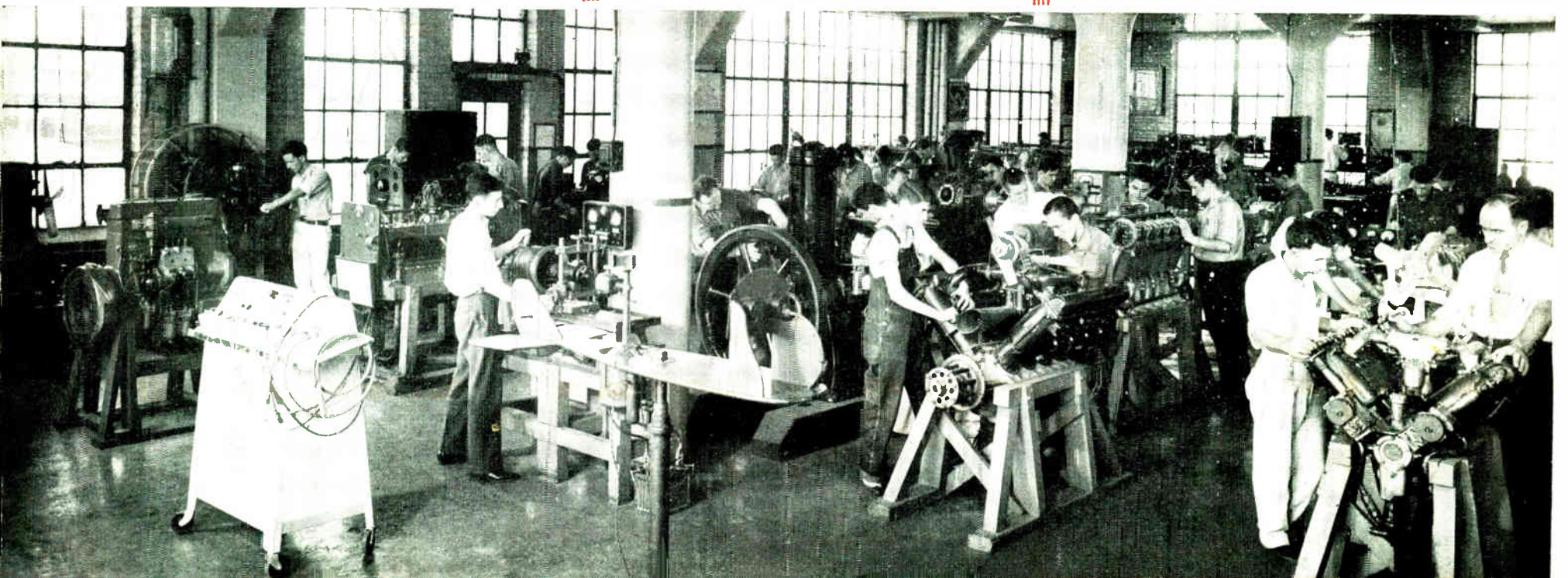
This big field is going ahead by leaps and bounds. Hundreds of planes are now being used for carrying passengers, mail, express and freight.

The instructor will give you an explanation and demonstration of the **OPERATION, PRINCIPLES and PARTS** of these engines and their ignition systems. Then you will go to the different types of engines and put the electrical and ignition knowledge you have gained **INTO ACTUAL PRACTICE AND OPERATION.**

You will receive training in wiring, timing and adjusting them as well as trouble shooting, by systematic testing methods to locate faults in the wiring or electrical parts, right on the engines.

You will get training on the different kinds of magnetos and will be taught how to adjust and overhaul them. Your training in this department will cover electrical ignition work on airplanes. And by getting this training now, you still have the opportunity to get in on the ground floor.

**BELOW AND ON THE NEXT TWO PAGES YOU WILL SEE SOME SHOP VIEWS IN OUR AUTO, AVIATION, DIESEL AND TRACTOR ELECTRICITY AND BATTERY DEPARTMENT.**



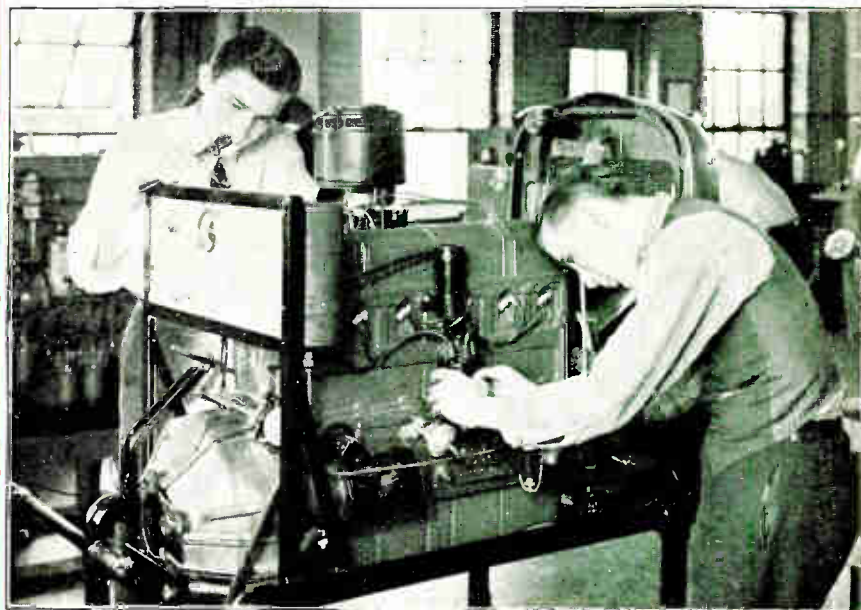




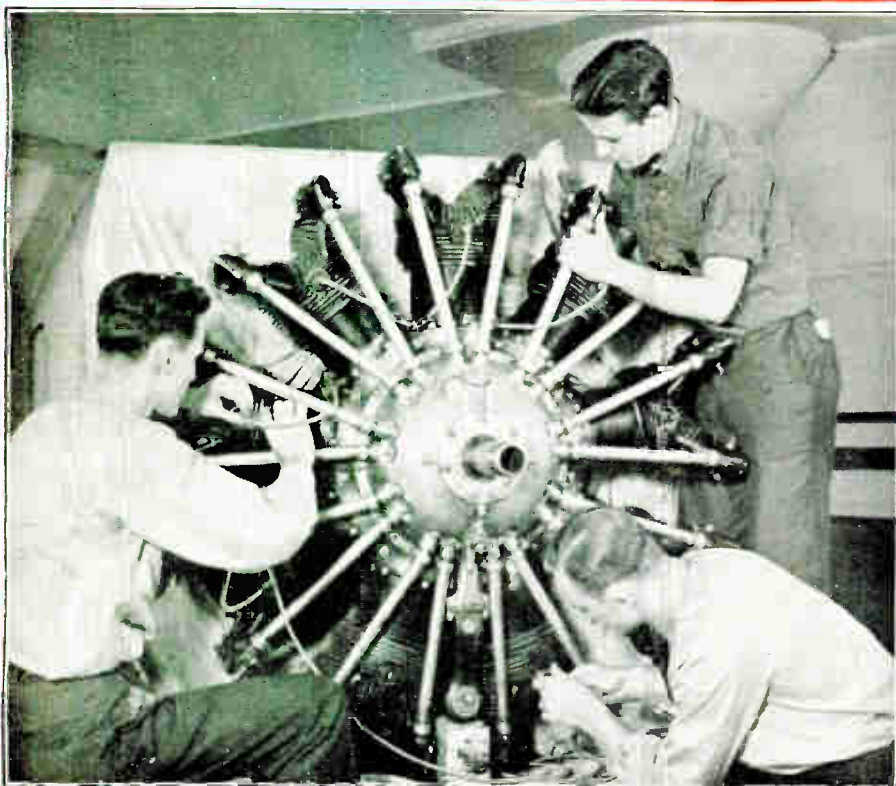
This section of our auto department shows some of the benches where you will overhaul, repair and test many types of generators, starters, ignition coils, magnetos, condensers, etc. You are trained to quickly find and fix their common troubles, and how to use the tools and test meters and devices to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



Students, adjusting and checking ignition on late model Plymouth engine. This sort of practical training helps to prepare Coyne Students to understand coils, distributors, wiring or timing on many types of engines.



Students doing practical work on ignition and starting equipment of a Chevrolet engine. Actual work on "live" late type engines gives Coyne students an up-to-date training.

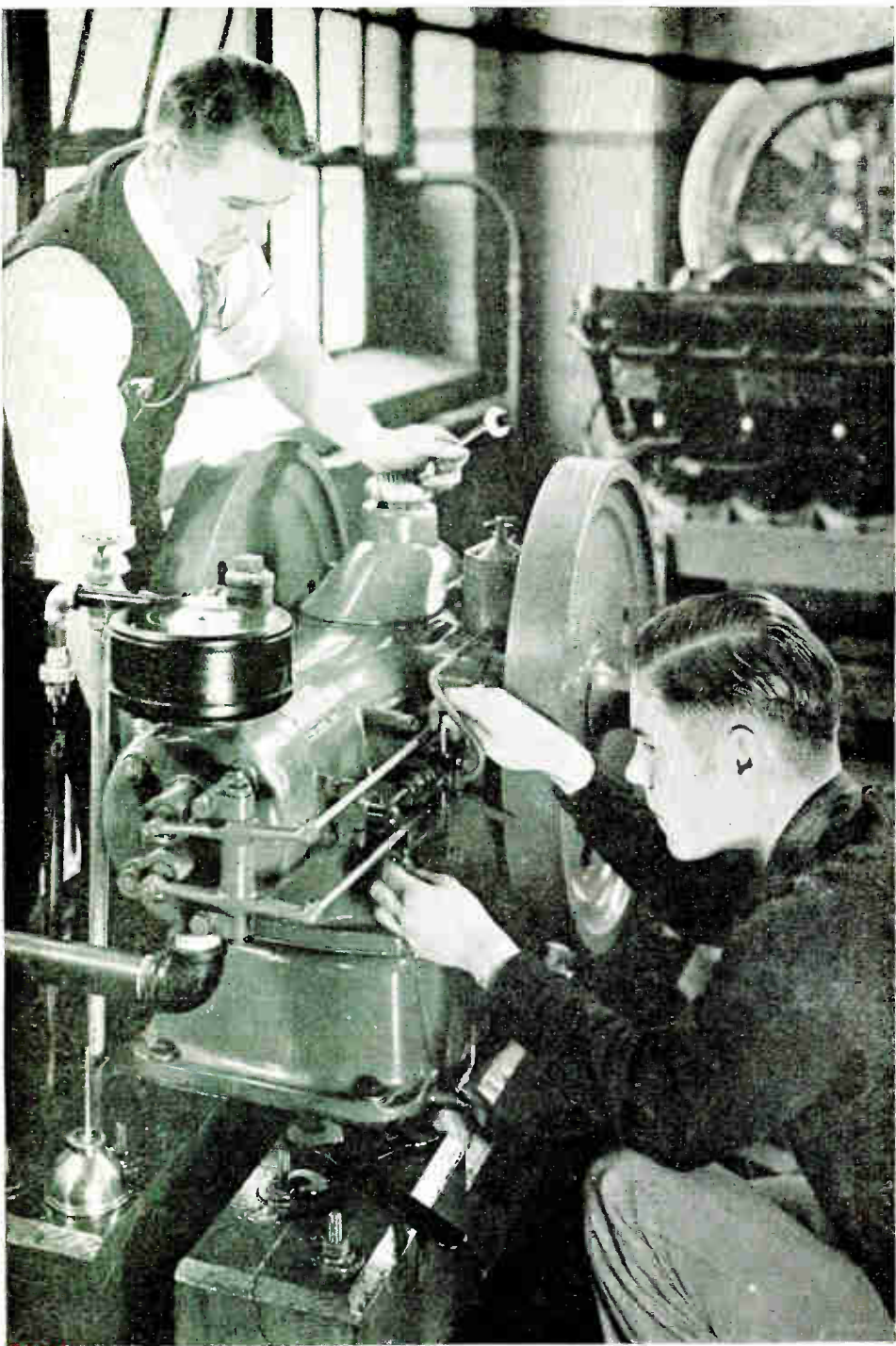


These students are wiring and testing the ignition equipment and magnetos on a Pratt Whitney Wasp Aircraft engine.

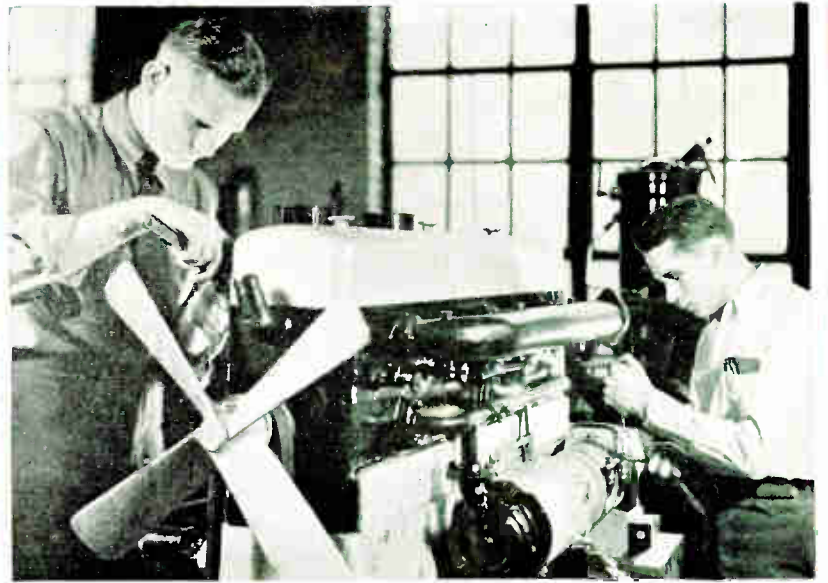


Students in our Aircraft Ignition section assembling and wiring ignition equipment and adjusting magnetos on a radial aircraft engine.

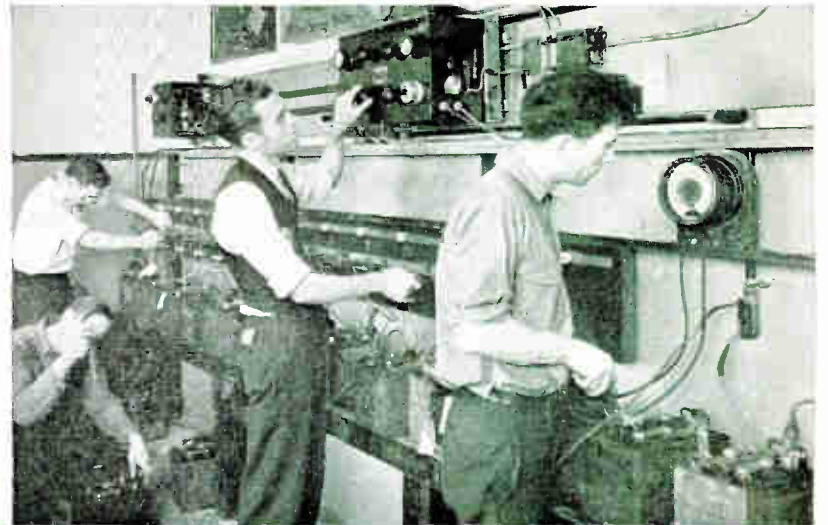




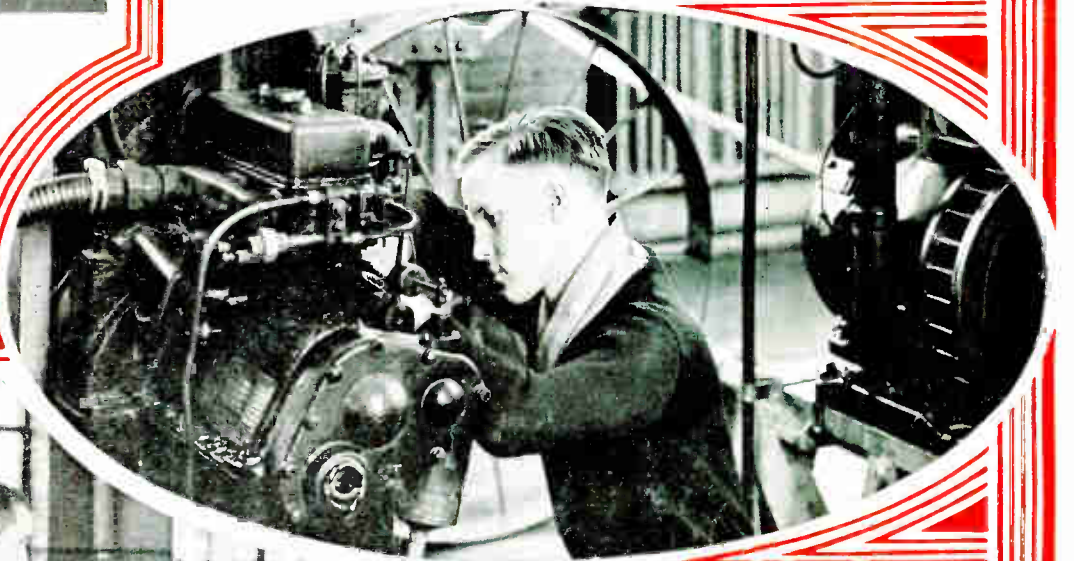
This student is being instructed on a Diesel Engine by actual work on modern equipment.



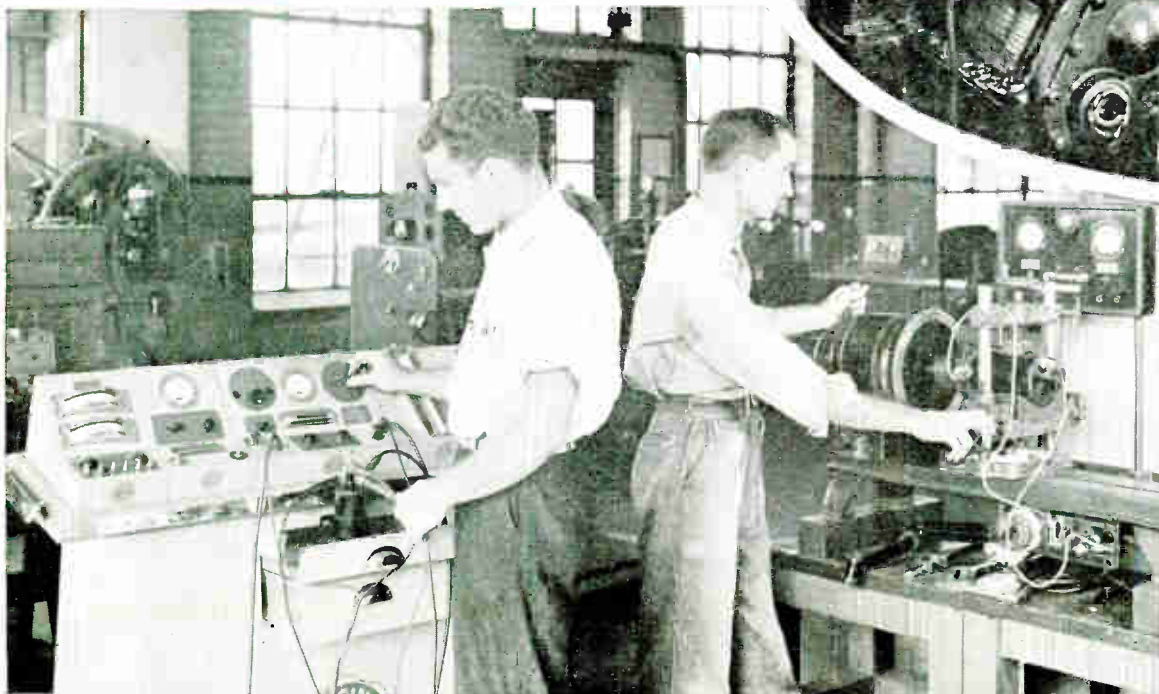
Electric starters and electric "hot plugs" form an important part of Coyne instruction in Diesel Engines. This view shows two students working on a Deutz Engine.



Here they are operating the charging line and equipment of the Tungar type. Both the half wave and later type full wave charges are used here. And you see these students testing the acid, and the voltage to determine the exact condition of the batteries being charged.



Instruction on the operation and care of farm lighting equipment is another valuable feature of the practical work in this department.



These students are using modern garage type tests units for giving final tests to generators, starters and coils they have overhauled and repaired. This equipment shows you the actual results and voltage of the generators at different speeds, the same as on the car, 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.



# NOW LET'S REVIEW SOME OF THE TRAINING COVERED IN MY COURSE

WHEN you start at COYNE, you start in just as though you knew nothing about Electricity. If you have had experience then you are not required to do the jobs you know, if you pass an examination. When you come to COYNE, we assume that you have had no previous Electrical experience, so we start you off in the elementary work. We don't give you a lot of complicated theory. Right from the first day, you work with tools on the actual equipment.

## You Start on Simple Equipment

THIS shop work is, of course, at first on very simple equipment. It begins with job No. 1 which is a simple splicing and soldering job. When you have done that satisfactorily, and the instructor has inspected and passed your work, then you move on to job No. 2, which is the wiring of bells and switches, and so on. Each job is just a little more advanced than the one before, and you progress gradually from one job to another—until almost before you know it, you are working on larger equipment. This you saw on pages 8, 9, 10, 11 and 12.

We make every effort to duplicate the actual work you may do later on in some job in the field. As I told you before some COYNE students have told us that when they left COYNE and went to work, it was just like stepping from one job to another, because the work they had in school was so much like that on their job.

## Signal Wiring

IN THE first department you are taught the principles and laws of Electricity, then you wire up, test and operate a number of office calls, signals, buzzers, burglar and fire alarms, and telephone systems as you saw on page 8.

Your training in this wiring, testing and circuit tracing, lays the foundation for your work on Electrical Power equipment in later departments and out in the field. Then you go on from the simple splicing and soldering jobs and signal wiring to more advanced jobs of wiring for light and power.

## House Wiring, Illumination, Electric Appliances

ON pages 9, 10, and 11, I showed you how you install wiring systems in conduit and BX (armored cable), and how you learned to wire houses and buildings in rooms which we erected for this purpose. You install lights and convenience outlets, and learn modern wiring methods and National Code rules. Your instructor inspects your wiring jobs and helps you correct any mistakes. Then you turn on the "juice," and see the equipment operate on the wiring you installed.

We teach you the nature of light, and the principles of modern illumination, the size and type of lamps and fixtures used for homes, offices, factories, show windows and flood lights. Also you learn how to wire and test sign flashers and electric signs.

You work on Electrical appliances of various kinds, such as toasters, irons, fans, vacuum cleaners, washers, etc.

## You Work on Direct Current Power Equipment

THE simple laws and demonstrations of magnetism, you get in the first department should make it easier for you to understand the operation of the larger motors and generators. Your work on Direct Current equipment includes motors and generators of many types, from the smallest to those of many horsepower, and controllers of many common types from the simple, hand operated one to the automatic controls and starters as you saw on pages 13, 14 and 15.

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 the actual power motors, and test their horse power.

## THIS IS ONLY A BRIEF OUTLINE OF MY COURSE

NATURALLY, I could not tell you in detail about all the different jobs covered in my course on just this one page; what I tell you here is just a brief outline of the most important work covered in each branch. There are many other things covered in each branch that I haven't room to include here.

Also, I want to assure you that if there is any special subject in these different branches on which you want training, my instructors are qualified to give it to you. These men have had years of experience, both out in the field and in training students in the Coyne "Learn-by-Doing" methods.

New equipment is being constantly added; new and improved methods continually adopted, and an entire organization of trained, experienced instructors are at your service the moment you step into my shops.

You can read this book through in an hour or two—you can probably read what is on this page in a few minutes. Naturally, I cannot begin to tell you everything about my course, either in this one page, or in the entire book. I have just given you this outline in order that you may realize the much greater things you can look forward to upon your arrival here.

Then your instructor explains D. C. Motor starters and speed controllers, and you work on wiring, testing and repairing this equipment. You learn the care of coils, contactors, overload devices, etc.

You also get practical training on trouble shooting and repairs and how to test quickly to locate the common troubles in both starters and motors, then how to fix them. It is sometimes necessary for you to take some equipment completely apart.

Next your instructor explains the operation and care of different kinds of D. C. Generators and their use. You wire up, test, and operate different kinds of generators and motor generator sets.

Then 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 are instructed 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

YOU learn how to wind motor armatures, as you saw on page 16. 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 how to put them in. 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. ALL OF YOUR WINDINGS ARE DONE WITH REAL COPPER WIRE, ON ACTUAL ARMATURES.

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.

Imagine the thrill and confidence you get from seeing your own windings work in the motors.

## A. C. Power Motors and Power Equipment

ON pages 17, 18, 19, 20 and 21, I showed you how you get training on real A. C. Power Machines, from those of less than one horsepower, up to 100 horse-power. Motors, controllers, generators, transformers, Power Plant Switchboards, outdoor type sub-stations, transmission lines, lightning arresters, circuit breakers, welders, all help to make this department fasci-

nating, enjoyable and extremely valuable.

You start wiring and testing small motors and then gradually progress to the larger machines. When you have a motor connected up to run, you test its speed and its pulling power. You change the connections and reverse the motor. Remove a wire here and there to see how it acts when a connection comes loose.

When you finish any job, your instructor asks you questions about it to check up and help you to be sure you know the important points.

You next learn how Alternating Current generators operate, how to take care of them, wire them, test and repair them. Then you actually connect up and operate them. You get real Power Plant Switchboard operating practice on a large power switchboard, and operate the Generators and control the power for the entire department. The equipment you operate, generates enough power to supply a small town.

You get training in the principles and operation of welding apparatus. You can get instruction on Arc Welding, with actual welding generator and transformer equipment.

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.

## Electric Refrigeration and Air Conditioning Work

MUCH of the equipment used in Electric Refrigeration and Air Conditioning is electrical and since this equipment is covered in the work you have already done, you can now apply this knowledge to this equipment.

We give you instruction on Refrigeration principles and actual shop work on the overhaul, service, operation, repair and testing of many types of Refrigeration and Air Conditioning units as shown on pages 22 and 23.

These units have their Electrical motors, controls, switches, compressors, evaporators, etc. This equipment must be serviced from time to time by trained men.

You will be told about Refrigerant liquids that boil at temperatures near Zero, about compressors, evaporators, expansion valves, thermostatic switches, motors, etc.

We have even built a 2-room bungalow with insulated walls for Air Conditioning tests and demonstrations, with instruments for measuring the air flow, temperature, moisture content, etc., as well as automatic control devices.

## Automotive, Aviation and Diesel Electricity

ON page 24 I told you how you apply the knowledge of Electricity you have already gained to Automotive, Aviation and Diesel Electricity.

You work on a number of complete engines and ignition systems. You get actual Electrical trouble shooting work on real running engines as well as farm lighting plants. You overhaul, test and repair generators, starting motors, cut-outs, coils, condensers, and magnetos of different types and get plenty of training on the proper tools and instruments to use in repairing and testing these parts. Then there are late type motor analyzers, and other modern ignition test equipment, on which you are trained to locate defects in various systems.

We have also installed several automotive, marine and stationary Diesel Engines, so that you are able to become familiar with their operation and troubles. In this department you may become acquainted with Diesel fuel pumps, injectors, governors, electric starters and generators, and you can learn how to start and operate and adjust these Diesel Engines, and such things which we believe may be of value to you in your Electrical work.

We also include Aviation Electricity. Here you will receive training in wiring, timing and adjusting airplane engines and ignition systems, as well as trouble shooting, by a systematic testing method to locate faults in the wiring or electrical parts, right on the engine.



# Here is Some Important Information About Coyne

## You Will Want to Read *This* and *Following Pages*

AT THE beginning of this book I introduced myself and my school. Then, I told you of the opportunities in the Electrical Industry.

Then through the pages of this book I took you through my Shops—department by department. I showed you actual pictures of my shops and students at work, getting a practical shop training in Electricity.

Now, that you have the story of Coyne—I want you to carefully read this page, and the pages that follow.

They tell important facts you will want to know while you are a student in my school, and also what I offer to do for you when your training period is ended and you leave school as one of my graduates.

### Many Opportunities Ahead in Electricity

TO THE fellow who prepares today, Electricity offers many opportunities. To merely dream of opportunity and do nothing about it, will bring no returns. But the fellow who prepares himself to take his place in this gigantic field by acquiring a training, has an opportunity in the Electrical Industry to build up the future every ambitious fellow wants.

Opportunities exist in the great Electrical field. You cannot doubt this. It is a field that is growing, and expanding constantly. It is interesting, fascinating, and full of opportunities for the fellow who is really ambitious to get ahead. Through Coyne Practical Training you can prepare for your place in this opportunity field.

### Electricity Is a Field of Many Branches

NOW, there is one thing I want to bring out right here and I feel it is an important point for you to consider.

The Electrical Industry is made up of many branches. Each of these branches holds opportunities for trained men.

### Coyne Is Not a One-Man Institution

NATURALLY, a school such as Coyne is not a one-man institution.

As head of the school, I could not possibly hope to handle all of the students' problems personally. Therefore, I have surrounded myself with an organization consisting of a group of men whom I can trust to handle most of the problems that come up, just as I would handle them myself if I were able to do so personally. In selecting the group of men who make up the Coyne Staff, this was uppermost in my mind.

I am mighty proud of the Coyne family. These men who comprise my staff are all real fellows. Most of them have been with me for many years. They are practical men, and each is thoroughly familiar with the work of his department.

You will find all of them friendly, sincere, patient and understanding, and always ready and anxious to help you with your problems.

By depending upon these men, each familiar with the matters that come under his charge, the student is sure of getting individual and personal attention in connection with his problems.

Any special problems are then brought to my attention through my staff and I can give them much better attention than if I was to attempt to handle each student matter myself.

You won't be in school for a day until you too will agree with me when I say—the Coyne family consists of the finest group of real men you ever met. You should remember them for many years and value very highly your association with them.



H. C. LEWIS, President

President

However—and here is the point I want to bring out—each of these branches is closely associated with the others. By this I mean, while you may decide to specialize in one branch, I believe 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.

For instance, you might want to specialize in Electric Refrigeration or Air Conditioning. Well, that's quite all right, but you should also have a knowledge of wiring, D. C. and A. C. motor and control work, as these branches are

closely related to the work in Refrigeration and Air Conditioning.

For example, in order to 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 Coyne does not train students in just one branch of Electricity, but insists as part of our requirements that each student get the full benefit of our training in many electrical branches that are all closely related to each other.

### Coyne Training Helps to Inspire Confidence

WE BELIEVE that an important part of any training is to build along with that training, confidence in oneself.

Many men fail in life because they lack confidence in themselves. Perhaps they possess the ability to accomplish results but they don't succeed because they lack the confidence to make decisions.

Here at Coyne I consider it a part of our training to help a fellow develop self-reliance and think and reason things out for himself in a practical way.

### Now Carefully Read the Following Pages

NOW I want you to read the statement below and each of the following Pages. They carry an important message and tell you of many things you will want to know about my school and the help we will give you as a graduate.

# Coyne Training is "*Learn By Doing*" Shop Training

## That is Why — You Learn Quickly — and You Don't Need

## Advanced Education or Previous Experience

IT IS hardly necessary for me to tell you COYNE is practical training—you have seen the truthfulness of this statement in the pictures of my shops.

However, I believe this is so important that I will be excused for again mentioning it, for I want to bring out that with our method of training you don't need advance education or previous electrical experience. I want to once more bring out that my course of training is designed to fit a fellow for a job in the earliest possible time.

A fellow comes to my school for one pur-

pose—to better his condition in life. That fellow cannot waste precious time in subjects that may have no bearing whatever on the progress he makes in life. He wants a condensed practical, workable knowledge of Electricity and its many branches.

That is what we have kept in mind all through the years of COYNE'S existence.

That too, is why the students who come to Coyne do not have to have advanced education or previous electrical experience.

I have tried to point out to you facts which will help to guide you and save you a lot of

time. So I say, Coyne is the place to get your training, because the Coyne Shops are equipped to give you a practical training.

I am sure you must be convinced of this after reading about the Coyne Shops in the previous pages of this catalog.

Now, I want you to read the balance of this catalog. As you do so, study each page carefully. I give you the facts you want to know. I have explained the many phases of the training and service available to you as a student of Coyne. I have explained also the nature of the services available to Coyne Graduates.



# Let Me Answer Two Important Questions

## FIRST

### “Do You Employ Salesmen?”

**F**IRST, let me say that I could not employ salesmen and pay them the commission they ask without adding this cost to the price of my training. It is my understanding that schools who employ salesmen pay them commissions amounting to anywhere from 25% up of the total cost of the course. This means that if I employed salesmen, I would have to pay them a commission amounting to not less than \$55.00 and might be considerably more.

Now I leave it to you to decide who would have to actually pay this commission.

It is logical to believe I would have to add this cost to my course or reduce the quality of my training to make up this loss. Well, I refuse to do either. This is one reason I do not employ salesmen.

You will notice on nearly all contracts a salesman asks you to sign, such a statement as this: “We are not responsible for any statement except the statements in our contract” or “This contract cannot be modified by any verbal or other agreement not contained in this contract.” Why do the concerns that employ salesmen put this clause in their contract? Well, I’ll tell you. They know that sometimes a salesman may make untrue statements, statements that are not true facts. Well, in case there is an argument later on, and the prospect has been led to believe certain things that the prospect does not get, they can use this clause as a protection and say, “We are only responsible for what is in our contract and are not responsible for any statement made by our salesmen.”

A famous man once said—“Never sign an order when a salesman comes to your home—

always put off the signing for a day or so, when the congenial personality of a salesman is not there to guide your hand along the dotted line.”

I do not mean to imply that all salesmen are actually unethical, but remember, the salesman depends upon his commission for a livelihood. When you sign a contract for a course of instruction or for merchandise, remember, no matter how good his intentions may be, that after all, he has a mighty important personal reason for making the sale. Therefore, he cannot be a disinterested party. Salesmen are hired to get sales, so can you always really expect to get accurate information from anyone so situated that he is a very much interested party in selling you?

The salesmen cannot tell you any more than a school can tell you in their literature and catalog. Then why is it necessary to send a salesman to see you when a school publishes this literature and it alone contains all the information you need?

Then again when you deal with the head of the organization you are more apt to find men who recognize the difference between a man who needs to be sold and one who wants to buy.

When you asked for my catalog, I sent it to you. With it, I also sent other information. All together this is the story of Coyne. A hundred salesmen couldn’t, if they told the truth, tell you any more than is contained in my catalog and literature. All they could do would be to use their influence to high-pressure you into enrolling. This I would never permit.

When you enroll in my school I want you to do so purely on the facts. I want you to sit down in your home, with your own relatives, and make your own decision, not influenced by anyone who is going to make a lot of money in making your decision for you.

What I have told you is the truth.

I want you as a student of Coyne. But I want you to make the decision. Then when you enroll you do so with all the facts before you and without the assistance of one who is going to make a nice fat commission out of your enrollment.

That, my friend, is another reason, I do not employ salesmen.

A salesman may tell you he came to see you to explain things more clearly or that he was sent by the President to give you all the facts, or he may start knocking all other schools.

NOW WHY IS IT NECESSARY TO SEND A SALESMAN OUT TO SEE YOU WHEN THEY PUBLISH A CATALOG THAT GIVES THE FACTS? ISN’T THE SALESMAN REALLY IMPLYING THAT YOU ARE NOT CAPABLE OF MAKING YOUR OWN DECISION, AND THAT HE MUST COME OUT AND MAKE IT FOR YOU—and by making your decision he is making a nice little commission for himself?

I don’t believe you need anyone to make your decision. I believe you are perfectly capable of doing this yourself. Because I believe this way, I give a fellow the facts, the true facts about my school. Then I leave it to him to decide.

## SECOND

### “Can Coyne Training Be Gotten By Correspondence?”

**M**ANY fellows have wanted to know if COYNE had a correspondence or home study course. My answer is that COYNE training is practical training on real equipment which is given to students right in our big COYNE Shops in Chicago. COYNE has NEVER ATTEMPTED TO GIVE PRACTICAL SUBJECTS LIKE ELECTRICITY BY CORRESPONDENCE WITH ONLY BOOKS AND LESSONS.

We all know that there are some subjects that can be taught satisfactorily out of books. But I BELIEVE IT’S A DIFFERENT PROPOSITION WHEN IT COMES TO LEARNING A PRACTICAL SUBJECT LIKE ELECTRICITY that requires the use of trained hands.

I assume you want a training that will prepare you for actual work on electrical machinery and equipment. If I am right, then I feel you want a training that gives you the actual workable knowledge and experience to do this work.

If a fellow is to get a training that can be applied in actual electrical work, I believe he requires a TRAINING THAT WILL GIVE HIM ACTUAL ELECTRICAL EXPERIENCE.

I do not believe any amount of book or lesson study can be a substitute for actual “LEARN BY DOING” training.

#### “Book Worms” vs. Practical Men

**I** HAVE known fellows who have gotten all their knowledge of a subject by simply reading books and lessons. These fellows I call “book worms.”

However, I HAVE OFTEN FOUND THESE FELLOWS WERE THE KIND THAT COULD TELL YOU ABOUT THE THEORY OF A THING BUT COULD NOT PUT THIS THEORY INTO PRACTICE.

If I attempted to give you a training by correspondence or home study I would have to make some attempt to give you practical experience along with your lessons.

Now all I could hope to send you would be a few elementary devices, some wire and a few other gadgets.

Then as simple as these things would be the only instruction I could give you would be from some printed lessons.

Just try and compare any equipment I could possibly send you, with a correspondence or home study course, with even the equipment in my Elementary Department. Then consider how this equipment would compare to other departments here at COYNE.

I WILL LEAVE IT TO YOUR JUDGMENT WHETHER OR NOT SUCH MATERIAL THAT I COULD SEND TO A STUDENT WOULD GIVE HIM THE NECES-

SARY PRACTICAL EXPERIENCE HE WANTS AND NEEDS.

Then here is what I consider the most important point of all.

Here at COYNE YOU NOT ONLY GET PRACTICAL EXPERIENCE ON A VAST AMOUNT OF ELECTRICAL EQUIPMENT, but YOU HAVE PERSONAL INSTRUCTION AT ALL TIMES FROM MY LARGE STAFF OF EXPERIENCED PRACTICAL INSTRUCTORS, WHO ARE WITH YOU AT ALL TIMES DURING YOUR TRAINING.

If I attempted to give you this instruction from lessons, then you would have to dig out the problems from a set of lessons which would be a series of lessons prepared and printed exactly alike for every student, whereas perhaps each student has different problems that I feel can only be properly handled by personal, individual contact with experienced instructors.

So, I’ll leave it to you as to whether I could hope to give you a course by correspondence or home study that would even approach the training you get HERE AT COYNE ON ACTUAL ELECTRICAL EQUIPMENT. Many fellows come to me every year who have tried to learn by correspondence but who discovered they were not getting the experience they needed. I do not believe any amount of book or lesson study alone, can ever replace actual practice and experience.



# HERE ARE 10 BIG REASONS WHY YOU SHOULD GET YOUR TRAINING AT COYNE

WHEN you are choosing a training there are several important things to consider. But, the most important thing to keep in mind is that your training prepares you for a successful future. It should prepare you to make the best use of your ability. It should 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 help you 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.

A fellow might find a school that has a course for less money, but isn't it a fact that YOU GET ABOUT WHAT YOU PAY FOR IN THIS WORLD?

I could give you a course for less money if I took out certain features in my course. I could very easily take out two or three departments. I could cut down on my equipment and most important of all, I could cut down on the service and the help I give you both as a student and as a graduate. These services are not, strictly speaking, a part of the training, but I am convinced that they are nearly as important.

I have always felt that the actual training given to my students (which must be the best) is after all only a part of my obligation to them. I 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 features included in my course, and I believe that after considering each one of these very carefully you will be satisfied that the money you pay for a training at COYNE is an investment that should 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—the same type that you will expect to work on out in the field after you finish your 12 weeks' training. You don't use books or printed lessons. You are not rushed or held back by any classes and you don't have to get up before a class to recite. Every student advances according to his own ability.

**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-ONE YEARS' EXPERIENCE**—COYNE was established way back in 1899 and has a background of over 41 years' experience in training men and young men for better jobs. Hundreds upon hundreds of suc-

## COYNE HAS NO BRANCHES

COYNE has no branches, nor are we associated or connected with any other school.

I feel all MY EFFORTS and the efforts of my assistants 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 MY SCHOOL—THIS IS NOT TRUE AND I CAN ONLY FEEL THEY ARE TRYING TO CAPITALIZE ON THE REPUTATION OF MY SCHOOL.

Keep in mind what I have said elsewhere on this page, that COYNE is over 41 years old, and stands today a pioneer and pace-setter. 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.

All I ask is that you put your faith in me. I have helped to make hundreds of fellows happy and independent, fellows who perhaps were just like you before they came to my school, but they had confidence in me and in the institution I head, and because of the training and assistance they received, have become successful men.

cessful Coyne Graduates are proof of the thoroughness and value of COYNE TRAINING.

**1. 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 at anytime and review his entire course or any part of it, or take up any new phases that have developed since he left school. And . . . just as soon as new developments in the Electrical Field reach the point where I think a knowledge of them would be of value to my students, I add them to my course. So, you may be sure I will keep Coyne Training up to date.

**5. YOU ARE TRAINED IN THE WORLD'S GREATEST ELECTRICAL CENTER**—Coyne is located in Chicago, the greatest Electrical Center in the world and students have the opportunity to make frequent inspection trips through the many Electrical Plants and to visit other plants that use a large amount of Electrical Equipment.

**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 me 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 problems. 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. Every one of my assistants is working in the interest of the students, and a feeling of good fellowship gets right into the bones of every student and makes him happy in his work. This is one of the first impressions you will gain as you walk through the front doors of Coyne.

**7. COYNE OFFERS GRADUATES LIFE-TIME EMPLOYMENT SERVICE**—After you graduate, you are given employment service

wherever you request it as long as you are in good standing . . . not just to help you get a job right after you leave school, but anytime later when you want to change jobs. You just register with my Graduate Department, telling us where you want to locate, etc., and we will immediately give you our 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 31.

## 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 problem 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. This is a strong talking point with employers because any company can also get this service by hiring a Coyne Graduate and quite a number have benefited in this

way. Also, there are many other graduate services such as the Coyne Graduate News which is published just for Coyne Graduates and keeps them informed of new developments in the field. And, the Coyne Employment Bulletin which informs graduates of new projects and other employment possibilities. Then there is the Graduate Manual and other publications gotten out just to help the graduate.

**9. WE VALUE THE GOOD WILL OF OUR GRADUATES**—I want you as a friend today, even though you haven't yet enrolled in my school. I will want you as a friend after you have become one of my students. But—most of all—I want your friendship after you have graduated and I expect to hold it then, too. Yes, we value very highly the good-will of our graduates, for we know THAT ONE THING is responsible for our success. We are vitally interested in seeing that our graduates make good.

**10. COYNE HAS A NATIONAL REPUTATION**—Coyne has a national reputation for fair dealing and square-shooting methods and is well regarded by many electrical concerns. I don't quote you a price on my course which sounds low and then when you get here, tell you this is for only part of the course, and if you want it all you'll have to pay so much more. No, indeed! The price I quote is for my entire Electrical Course and includes all the features outlined on the Enrollment Blank. When you pay for a course at Coyne you will never have to pay another penny for this training and you will get all the services I have outlined on this page as a student and as a graduate at NO EXTRA COST.

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 I will depend upon you after you graduate to recommend my school to your friends.



# Coyne Stands Behind You And Aids You For Life Through Our Many Graduate Services

IT is generally recognized that a school is a place of learning and its purpose is to give its students a training. Once a student has received this training many schools feel they have done all that is expected of them.

However, I feel differently about my students. I FEEL THAT IT IS MY DUTY TO MY GRADUATES TO HELP THEM FURTHER IF IT IS IN MY POWER TO DO SO.

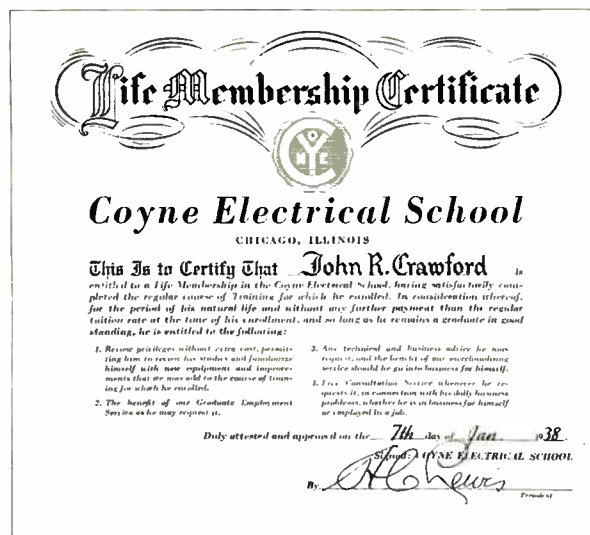
Because I feel this way, I have organized a special department whose duty it is to help my graduates in various ways. Before telling you about these services which are available to Coyne Graduates, I want to point out that there is NO EXTRA CHARGE FOR ANY OF THESE SERVICES OUTLINED BELOW.

## Employment Service

THIS service entitles every graduate to employment help whenever he requests it. Before explaining the nature of this service, I want to make clear that Coyne does not guarantee or even promise any graduate a job. Neither, do I feel that any fellow would ask me to obligate myself to make a statement that no man could make and be honest, for anyone knows that there are too many factors involved for anyone to guarantee another a position.

However, my Graduate Department does give every graduate real helpful assistance and uses every effort to help those fellows who request assistance in locating a job after they graduate. And, I am proud of the record of the department. I don't know of another school that has as efficient Graduate Employment Service.

Hundreds of calls for Coyne Graduates are received by the Graduate Department each year from employers in many parts of the country. When a call comes in a graduate in that locality is notified immediately. Many of the requests for men come from companies that have had experience with Coyne Graduates they employed before, or in response to circulars we send to several thousand em-



ployers periodically, or from other graduates who are in business for themselves or who hire men for the company they work for, or from employers that members of my staff have called on.

Also, in addition to these requests for men, we receive reports of new industrial expansions and developments from all over the country. This information is received when the plans are just being made and we notify graduates so they can get their applications in on the "ground floor."

But, this service doesn't stop with just telling a graduate where to go to find a job or even with arranging an interview . . . we follow up the graduate's interview with special letters of recommendation. Every effort is made to impress the employer with the training the graduate has had and his value as an employee.

The success of my Graduate Employment Department and of my Graduate themselves is proven by the fact that the number of employers who call again when they need a man, is growing every year.

This same service will be open to you after you become one of my graduates.

## Review Privileges

THIS service permits any graduate in good standing to come back to school and review any training in the course. From time to time new developments are occurring in the constantly growing field of electricity. When we consider them a help to our students we add this training to our course. With your review privileges you are entitled to come back and get this training at no extra tuition cost.

## Consultation Service

THIS service entitles a graduate to technical advice whenever he requests it in connection with his daily work, whether he is in business for himself or employed in a job.

A graduate can get this service at any time by merely writing for it. Members of my technical staff give their personal attention to all requests for information and a reply is forwarded promptly. Graduates can ask for information or advice as often as they need it.

## Merchandising Service

THIS service is available to any graduate who goes into business for himself. We are glad to advise you in connection with your printing, advertising and sales problems.

We will, upon request, help you by referring you to sources for supplies and wherever possible we will help you in your purchases by getting you the best prices on your materials.

This is a valuable feature of our service for quite a few of our graduates go into business, and many times the help we give them is valuable, not only in promoting their business, but in preventing mistakes that might be costly.

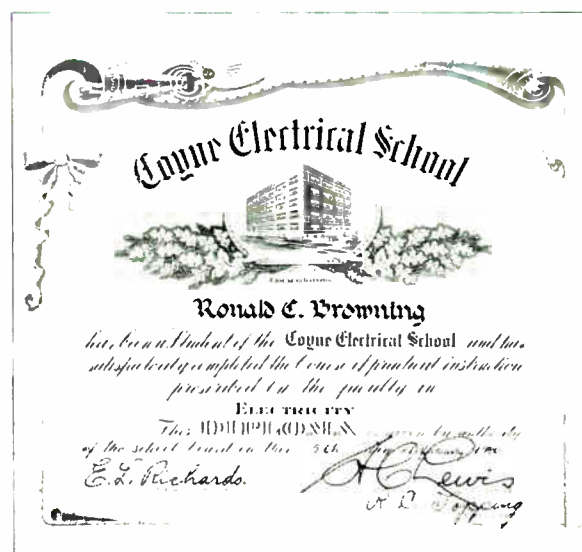
## WE WANT YOUR FRIENDSHIP BOTH AS A STUDENT AND A GRADUATE

FROM what I have already told you about Coyne, I'm sure you realize that every member of my staff will do his best to help you with your personal and shop problems while you are getting your training.

I have also explained how my Graduate Department will be ready to serve you after you end your training period and leave school.

I want your friendship and good will both while you are a student, then later on when you are one of my graduates. I have always felt that my duty did not end once a student's training period was over. I want every Coyne graduate to feel that he is always a member of my school.

This is why I give each of my graduates a Life Membership entitling him to valuable privileges. Through this Life Membership, I have tried to make clear to my graduates that we here at Coyne are always ready to give them the same help and consideration when



they are in the field, as if they were still attending school.

During your stay with us and after you have graduated, you may find many little courtesies and helps rendered you that we do not even mention or promise you, because my entire organization is constantly striving to increase our service to our students and graduates. That is the policy all through the Coyne Family.

In short, I want every fellow who comes to my school to be satisfied. I feel that satisfied graduates will tell their friends and others about my school and they, in turn, may come to Coyne for their training.

That is my policy as head of Coyne Electrical School. When you come here you will find that Coyne keeps its promise to give a student every possible assistance both while he is in school and then later on when he graduates and is applying his training in the field.



# Coyne Training Prepares You For

## Here Are Some 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.  
Fansteel Metallurgical 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.

I HAVE told you on pages 4 and 5 of this book, some of the many opportunities the huge Electrical field has to offer the man who has been trained to take advantage of them. Then in the pages that followed, I took you through my shops and explained the instruction we give you in the various branches of Electricity, to prepare you to take advantage of these opportunities.

Now, on these two pages, I want to show you how the training you get at COYNE helps prepare you for these better-paying jobs in the various branches of Electricity.

Here at COYNE you get a training on actual Electrical equipment, which is designed to give you a practical, workable knowledge of the many branches of Electricity. The students who come to my school are the fellows who want a training that will equip them to go out and do actual Electrical work. The necessary theory is given to the student in a practical way, through blackboard demonstrations, talks, and by actual practice.

That is why our graduates are equipped to go into Electrical work once they have completed our training.

So, when you finish my training, you should be all set and ready for your start in the field. You should have the practical facts about Electricity in its many branches. You are not limited to the opportunities that just one or two branches have to offer. Your training has equipped you to do many different types of Electrical work; so you will have a right to feel confident—for you are getting into a field for which you have been trained.

I have shown you how you get this experience in our shops. I have shown you how you do the actual work yourself on many types of motors and other Electrical equipment.

Now, let's see how this training prepares you for work in different branches of Electricity.

## Signal and Alarm Wiring and Maintenance

IN my explanation of the first department of my course on page 7, and in the pictures on the pages that follow, I showed you how you wire-up, test, and operate a number of very practical door bell, office call, signal, burglar and fire alarm, and telephone systems.

This branch of the Electrical field is really a profession in itself and employs thousands of men in big factories, offices, stores, hotels, telephone and telegraph companies, and on railroads and ships. Relays and signal devices play a vital part in motor controls, power plants, Radio Stations, and Airport communication systems, etc. Many trained men in these branches of Electricity, earn up to \$10 and \$50 per week.

## House Wiring and Light and Power Wiring

A GOOD knowledge of Electrical wiring, methods, and systems is important in nearly every line of Electrical work.

Also in the first department of my course, I explained how you will be taught to do wiring for light and power systems; how to do house wiring; how to bend conduits; and to use B-X.

House wiring, factory wiring, store and office wiring, school, theatre, and hotel wiring, provide profitable employment for thousands of Electrical workers. Wiring of farm buildings also offers splendid opportunities in rural districts where rural electrification projects are bringing Electricity to many new users—in fact thousands of new users each year.

Many trained electrical men earn up to \$1.25 per hour at this work and many others in a business of their own earn from \$2,000 to \$5,000 per year and more.

## Illumination Equipment Installation and Maintenance

ALSO in my explanation of the work in the first department of my course, I told you how we teach you the nature of light and the principles of modern illumination, the sizes and types of lamps and fixtures to use for homes, offices, factories, show windows, and flood lighting. Also how to wire and test sign flashers and electric signs.

Installing and maintenance of modern and up-to-date Electrical lighting systems, in homes, stores, offices, factories, schools, churches, baseball parks and signs, show windows and flood lighting, provide another interesting and profitable branch of Electrical work in which many COYNE-trained men are earning good salaries.

## Electrical Appliance Repairs

THERE are millions of Electrical appliances, such as fans, toasters, irons, vacuum cleaners, washing machines, refrigerators, heaters, and other Electrical convenience devices which need service and repair.

Many COYNE graduates make use of the training they got early in my course, by specializing in this branch of work for Electrical dealers, stores, and service shops. Others operate their own Electrical Appliance Service Shops and earn from \$1500 to \$3000 per year and up.

## Armature Winding and Motor Repair

IN the description of the training in the Alternating Current Department and in the Direct Current Department, I told you of the practical training we give you in winding testing and repairing armatures and stators of different types and sizes, and trouble shooting and repair work on many types of motors.

Millions of Electric Motors ranging in size from a fraction of a horse power to hundreds of horse power each, require occasional repair and rewinding. Factories, industrial plants, power companies, Electrical service shops, railroads, mines, oil companies, etc., employ trained armature winders and motor repair men, paying up to \$45.00 a week and more.

A number of COYNE graduates operate their own armature winding shops and make good money in a business of their own.

## Direct Current and Alternating Current Motor and Power Equipment Maintenance

ALMOST every large and modern factory and industrial plant, steel mill, railroad, mine, textile mill, packing plant, etc., uses from dozens to hundreds of Electrical motors and controls in the operation of their machinery.

Some of these plants employ several Electricians and other large plants employ from several dozen to several hundred Electrical maintenance men, motor inspectors, trouble-shooters, and repair men.

Your practical shop training in the Direct Current and Alternating Current Departments at COYNE, prepares you for this interesting branch of work. Many jobs in this field pay from \$125.00 to \$250.00 per month, or more.

## Factory, Office, Store and Theatre Electrical Work

THOUSANDS of trained electricians are required to install and maintain the Electrical lighting, Electrical power, Electrical signals, and elevator equipment in large office buildings, stores, theatres, and commercial buildings.



# Many Branches of Electricity

Here is where your all-around shop training on a wide variety of Electrical equipment at COYNE, prepares you for interesting and good-paying work in this great branch of Electricity.

## Power Plant and Sub-Station Operators

**E**LECTRICAL Utility Companies and Generating Stations employ many thousands of power plant and sub-station operators to operate and maintain their switchboards, generators, transformers, and auxiliary electrical equipment.

The control and operation of such huge Electrical power units, provide fascinating and responsible work at clean good-paying jobs.

Your actual shop training on the operation and care of real power equipment here at COYNE helps to prepare you for this interesting branch of the work. Thousands of trained men are employed today with power companies, municipally and privately owned power plants, and on ships at jobs paying from \$30 to \$60 per week.

## Electronic and Photocell Equipment Installation and Maintenance

**O**NE of the most marvelous inventions of all times is the Electron Tube.

They enable an electrician to locate concealed pipes or wires in walls or floors or buildings or underground. They inspect metals for tiniest flaws, inspect and test hundreds of items in manufacturing plants, control and time operations in industry, enable deaf persons to hear and have many other marvelous uses.

Modern factories and industrial plants are rapidly installing thousands of sensitive electrical controls, counting, sorting, grading and inspection devices involving the use of vacuum tubes, photocells (electric eyes) and other electronic devices.

This great new field offers splendid opportunities to men who are trained on such modern equipment. That is why we have installed these Electrical units here at COYNE.

## Automotive Electricity

**I**N my explanation of our Automotive Department, I told you how you maintained batteries and work on various types of automobile ignition systems and testing equipment.

Thousands of modern garages and auto service shops employ trained Electrical and Ignition men. They are not ordinary automobile mechanics, but men who have been trained to use modern Electrical service equipment to locate and correct ignition and other electrical trouble.

Knowledge of modern automotive, electrical service equipment and methods, can prepare you for a good-paying job in this field.

## Aircraft, Electrical and Ignition Service

**I**N my explanation of that part of our course, I explained how you received training in wiring, timing and inspecting airplane engines and ignition systems, as well as troubleshooting, by systematic testing methods to locate faults in the wiring and electrical parts right on the engine; also your general electrical training in wiring and other branches can be applied to this field.

Aviation Electrical work is a fast growing branch of Electricity. Aircraft engine ignition systems, airplane lighting and wiring systems,

airport lighting and signal systems, all require trained Electrical men for installation and servicing.

Airlines and Airplane factories employ hundreds of Electricians in good-paying, interesting work. Many aviation electrical men earn up to \$60.00 per week and more. Here is another field that offers a real future to the trained Electrical man.

## Railway Electricians or Signal Maintenance

**O**N the modern railroad today, there are many places where an Electrician could use a knowledge of different subjects covered in my course.

Just picture one of the new streamlined locomotives powered by a huge Diesel-Electric system. The Diesel motor drives generators which give power to Electric motors—and both generators and motors require attention from men who have been trained in Electricity.

Also employed in the operation of these modern trains are the auxiliary power plants which provide current for light, fans, Radios, Air-Conditioning, and other uses of Electricity.

Then there are the signal systems which guide even the steam locomotives—the automatic train controls and the block signal systems. Many Electricians are needed on railroads and these jobs pay well.

## Refrigeration and Air Conditioning

**A**T COYNE you will work on many types of cooling units as explained in my description of our Refrigeration and Air Conditioning Department. I told you that you get training in the operation, care and repair of these refrigeration and Air-Conditioning units under the personal supervision of an experienced instructor who shows you step-by-step how to do the work on well-known machines of different types.

Manufacturers of refrigeration and air-conditioning equipment require the services of men who have been trained in these growing fields. Refrigeration service shops employ trained refrigeration service men for home and commercial units.

Many industrial plants now use Air-Conditioning equipment to control the temperature, humidity and cleanliness of the air and for improving working conditions.

This field offers men who have a background of electrical training excellent opportunities.

## You Are Trained in Many Branches of Electricity

**N**OW, I have given you just a few examples of the various industries for which the training you get here at COYNE prepares you. I could go on and on from one industry to another, pointing out the many ways in which Electricity has come to play a vital part in its existence. And this already huge Electrical industry is growing and expanding still further every year. New applications for this power are being found; new inventions are harnessing its strength to new tasks for the benefit of mankind. And all of this expansion means more jobs—jobs for TRAINED men.

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 my Graduate Department which I told you about, 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

“... Mr. Earl Stanfield has been employe with our company for the past three years as a groundman and lineman. His work has been quite satisfactory. I see no reason why he should not continue to advance in our organization.”—A Large Public Service Company.

★

“This will answer your letter regarding the progress of Ralph C. Binnall, one of your graduates. I might say that we have several men who are graduates of your institution who are working for us and my answer regarding Mr. Binnall would also apply to them. His services have proven very satisfactory and we have given him a promotion to Local Superintendent. We feel the training he received in your shops has increased his value and one thing we like about your course is that the practical shop training has developed men to learn how to use their heads and hands.”... A Well Known Light & Power Co.

★

“... Mr. G. E. Blease is serving us very acceptably and we have every confidence in the training you give those enrolled at your school. We will let you hear from us when we have further need of men.”—A National Organization.

★

“Referring to your letter regarding Jerry Vavrusa I'd like to state that Jerry has been employed in our Electrical Maintenance Department for the last ten years. ... We have another Coyne man in our Electrical Department, Mr. Fred Leisering. Both of these men have been very satisfactory.”—A Large Mid-West Mfg. Co.

★

“... you will be pleased to note that we have found Norman Coulter a very ably trained young man and one in whom we have already placed considerable confidence. ... We are happy to have him numbered among our employees.”—A Large Water Power Company.

★

“... Mr. Ray A. Hodson is employed with the . . . Telephone and Telegraph Company as Toll Test Board man. . . His work is very satisfactory.”—A Southern Telephone Company.

★

“... Mr. Reidenger has been in the employ of M. Company for some time and I am happy to say he is a very capable and efficient service man. No doubt the training he received through the Coyne Electrical School enables him to do such an outstanding job. If more service men had your available training today there would be considerably less service problems.”—A Large Mail Order Company.

Names of these concerns will be furnished on request.



# Many Opportunities in Electricity For a Trained Man To Go Into Business and Be His Own Boss

THE field of Electricity affords scores of interesting jobs in the many electrical branches. In addition, Coyne Training prepares students to go into business for themselves and be independent as their own boss.

## Excellent Opportunity—Small Investment

MANY Coyne Graduates found it possible as a result of the helpful service rendered by the school to open up a shop of their own with only a small working capital. Today, these fellows have established a permanent business in their home-town and are making a success as Contractors, Appliance Dealers and Owners of garages, service stations or repair shops.

As a Coyne graduate, you may find many opportunities for a business of your own. I have known of some of my graduates who have actually gone into business with very little money. They were able to do this by matching

the value of their electrical training against the working capital provided by some friend or acquaintance. Others found it possible to take over a small "going" business already established, but run down because of poor management.

BELOW I show you the pictures of three of my graduates who have a business of their own. I have many more graduates who are in business for themselves making good money and who are independent.

I don't know of any other field that offers a fellow as good an opportunity for a business of his own WITH THE OUTLAY OF SO LITTLE MONEY. Some of our graduates have gone into a business of servicing electric apparatus for small concerns with practically no capital.

There are many small concerns as well as homes that have electric appliances and electrical equipment and these fellows have con-

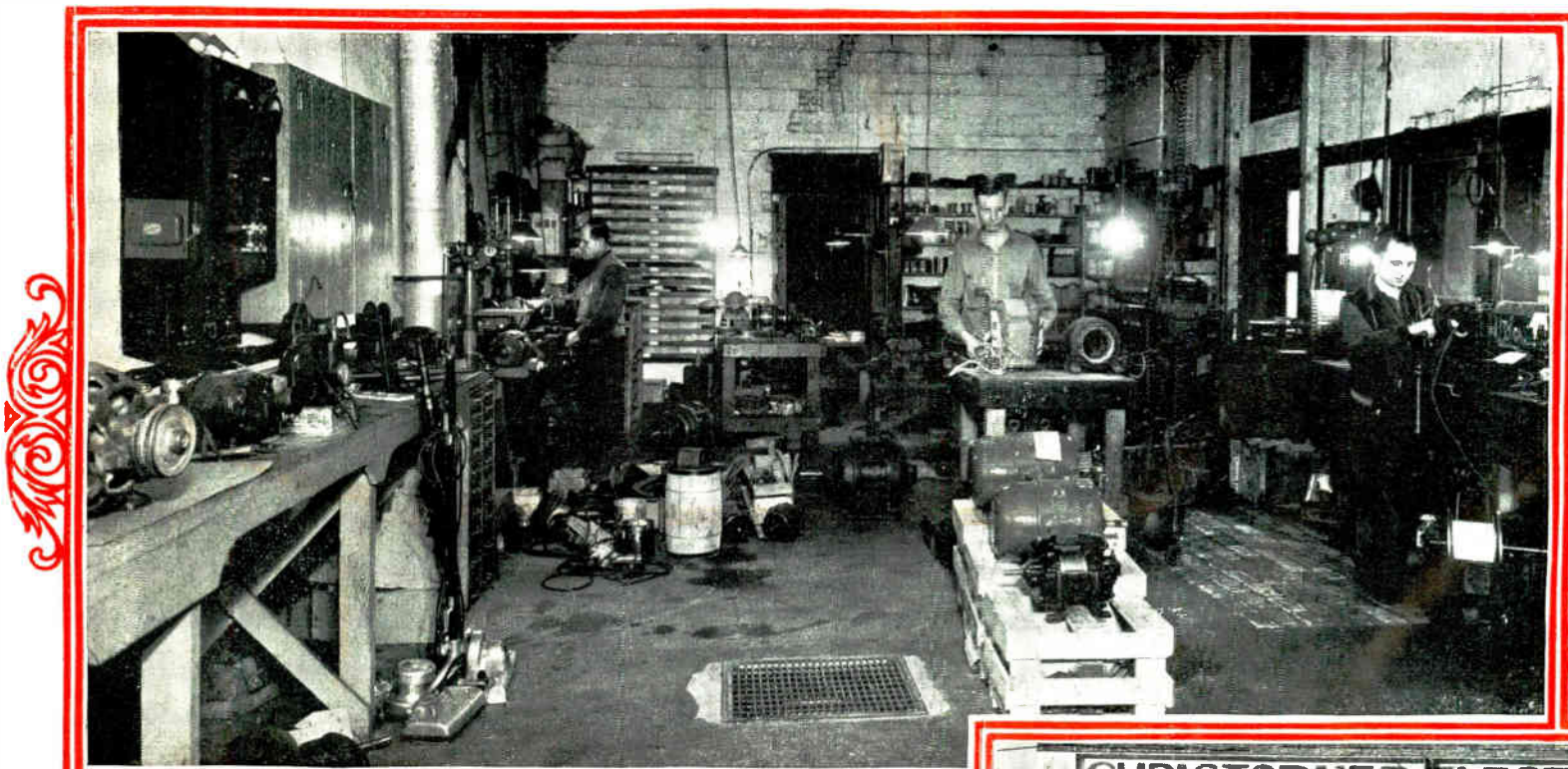
tracted to take care of this on a yearly or monthly basis.

This AS WELL AS THE TYPES OF BUSINESS PICTURED BELOW are only A FEW OF THE MANY OPPORTUNITIES FOR ONE'S OWN BUSINESS.

## Helpful Business Service

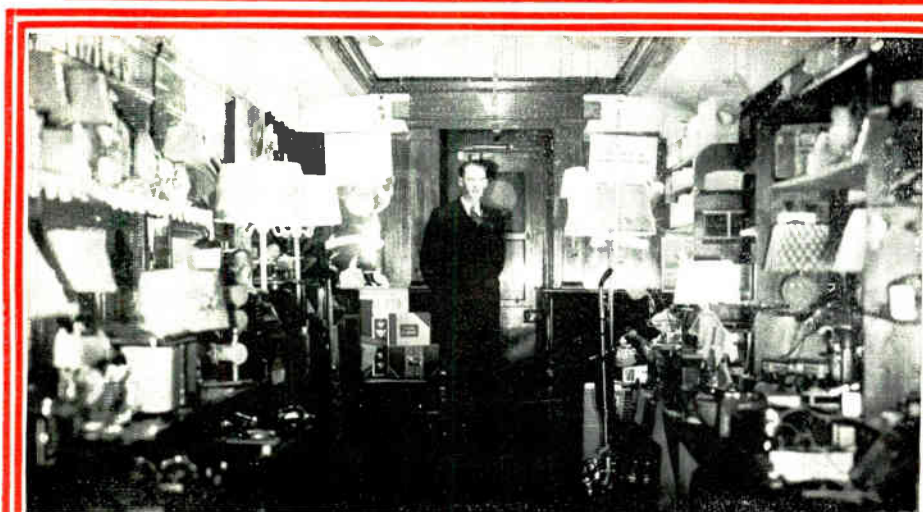
AN OUTSTANDING feature of Coyne Training is the Business Service offered to every graduate without extra charge.

As part of this service, we show any Coyne Graduate how to start a small business of his own with a limited amount of money and help him with the purchase of materials and to get the best trade discount on purchases. We also provide the benefit of our assistance in connection with sales problems, and technical advice is available from my Consulting Staff. This is only one of the many services rendered you as a graduate of Coyne.



The picture at the left is a view of the interior of Coyne Graduate Harry G. Thornton's Electrical Repair Shop. Before he came to COYNE, Harry was a farm boy, working on his father's farm. There he did some mechanical work on farm equipment, but he knew very little about Electricity. Recently, he said:

"About 1½ years ago I started a motor rewinding shop of my own. I have done very well and now have 3 men working for me. There is real opportunity in the Electrical Field for a man who goes after it. COYNE gave me my start and the future certainly looks good for me."—HARRY G. THORNTON, Indiana.



The picture above is a view of the interior of Coyne Graduate Leonard Ecker's Electric Shop, which you would not readily recognize as the interior of a railroad coach. Leonard purchased the coach, had it demounted from its wheels, stripped out the seats, redecorated and set up his business. In a recent letter he said:

"So far I've done very well. COYNE Training put me on the right road and the future certainly looks great for my electrical shop."—LEONARD ECKER, Illinois.



Above is a view of the front of Coyne Graduate R. W. Christopher's Electric Shop where he sells and services a complete line of small appliances as well as washing machines, refrigerators, electric ranges, radios, etc. He was working for a small wage in a factory before he came to COYNE. In a recent letter he said:

"I must say that Coyne Training has been the foundation in helping me get established, and developing this business of mine."—R. W. CHRISTOPHER, Indiana.



# You Will Have a Chance to Inspect LEADING ELECTRICAL PLANTS

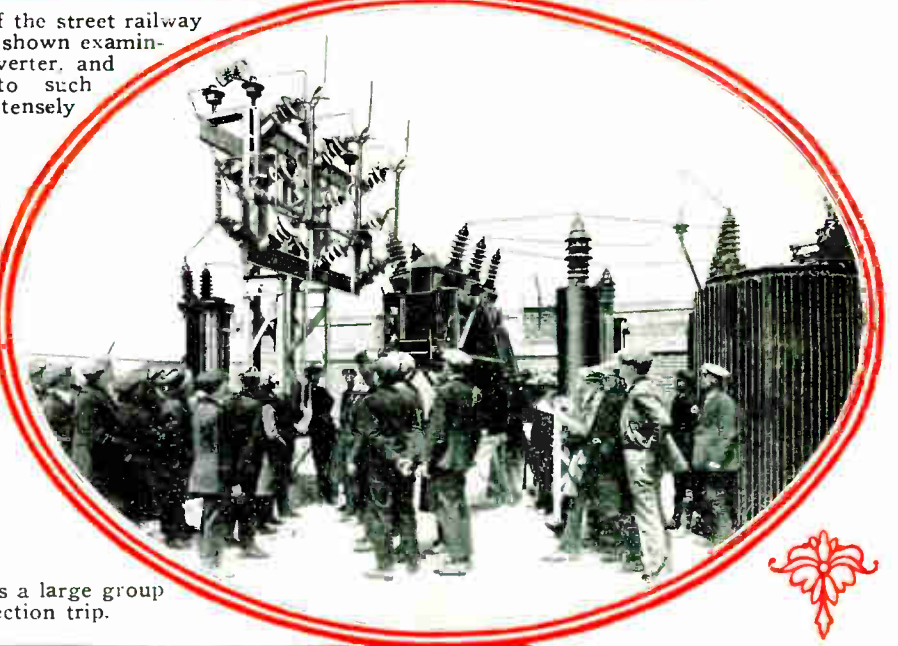
\*SOME OF THE PLACES OUR STUDENTS HAVE VISITED



This is an automatic substation of the street railway systems, and the students are shown examining the 2000 K. W. converter, and switchboard. Trips to such plants as these are intensely interesting.



This photo shows a group of students in front of a modern transport plane at the large Municipal Airport where they inspected aircraft electrical equipment and airport lighting system.



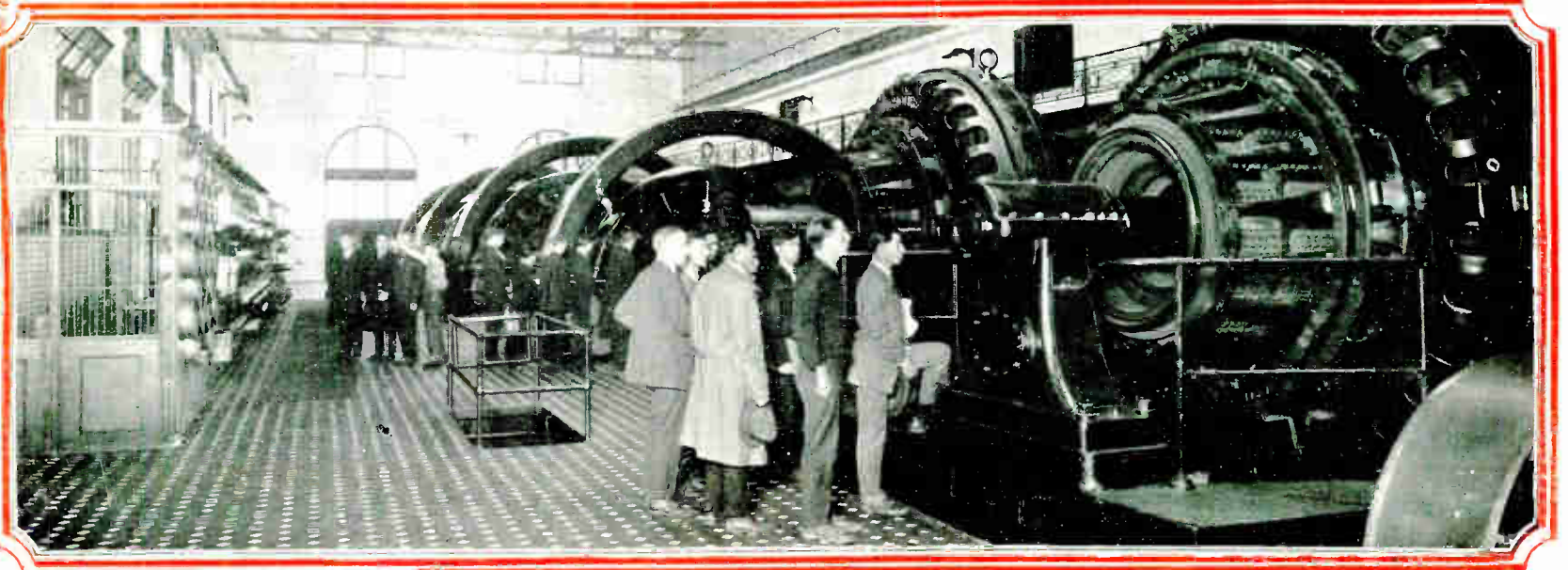
The oval picture above is of an outdoor substation and these students are examining the oil switches, lightning arresters and transformers, with instructors along to explain everything.



The photograph below shows a large group of students on an inspection trip.



The picture to the right shows a group of generators and mammoth switchboard in one of the largest private power plants in the world, at Sears, Roebuck & Company.



\*—While these pictures show some of the places our students have visited they do not necessarily mean that every student visits these particular places. It is our custom to have our students visit several places during their training period, but the ones we visit may be different ones than those above. Some places only allow so many visits during a year. However, any trips you make should prove interesting and valuable. There is no expense to these trips except the small street car or elevated fare.



# Our Student WELFARE DEPARTMENT Will Make You Feel at Home

**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.

My 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.

## Your Entertainment at COYNE

**W**HEN I tell you about the numerous entertainment features at Coyne I do not want you to get the impression that this is made too big a part of the work here. We always keep foremost in mind the big fact that the main thing we are all here for, my staff as well as my students, is sincere work. But, just as all work and no play makes Jack a dull boy, I realize the importance of clean wholesome entertainment features, as well as athletic activities.

Very frequently we hold, during a noon recess hour, some form of wholesome entertainment, such as instrumental music, singing, tap dancing, tumbling, magicians' acts or athletic exhibitions. There is never any charge to our students for this entertainment.

## Athletics

**Q**UITE often, during the noon hour, we hold an amateur boxing tournament. All contestants are volunteers from the student body. Maybe a lad from Oklahoma takes on a fellow student from Canada, and so on, boys being represented from all parts of the United States and many foreign countries. The bouts usually go one and two rounds and, while always lively and full of humor and interest, are put on in a fine spirit of sportsmanship—never any rough stuff.

## Outdoor Sports

**T**HEN, 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 Sight-seeing Busses, Stockyards, Field Museum and hundreds of other buildings and places of interest afford a fellow hours of good clean recreation without sacrificing any of his school work.

## We Help You Locate a Room Near the School

**W**HEN you arrive at Coyne and complete your enrollment you will meet my Welfare Director who will refer you to your room. Student rooms are located within a short distance from the school in houses that as a rule 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.

Room and board can be had for the lowest possible price, as outlined in the literature sent with this book. Special low rates are also made for light house-keeping rooms, in the case of married students who wish to bring their wives with them.

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.

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.

## The Y. M. C. A. Right Near COYNE

**T**HE Y. M. C. A. is just a few blocks from the school and our students may join while here at a special price. This also gives them the privilege of rooming there if they so desire. 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.

## Church Services

**N**O MATTER what your religion may be or what your denomination, you will find a church of your choice in Chicago and they welcome their members from other towns and cities.

We encourage men who have been attending Church at home to continue this excellent practice during their stay here at Coyne. However, attendance is purely voluntary—no student has to go unless he wishes to. It's a matter of personal choice.



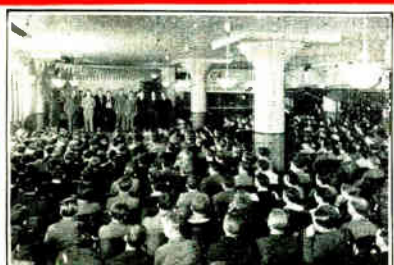
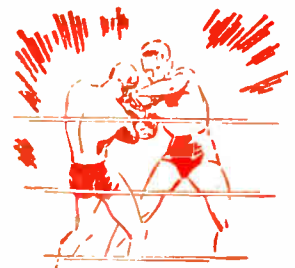
## A Letter from a Mother

"Gene reached home safely. Vibrant with plans for the future and rich in memories of his time at COYNE.

I am deeply appreciative of what it has meant and will mean to him, this privilege of mingling with men of great moral worth in his first venture away from home, and I thank you for the kindly interest you have extended to him. All your letters were a comfort to me, but this last one has given me a joy that nothing can dim or take away.

Across the miles, I clasp your hand and wish you all the best in life. May health and happiness be yours as you continue the noble work of inspiring young men and bringing cheer to anxious Mothers."

Sincerely,  
LENA CONBOY.



A typical student crowd being entertained by a group of celebrities.



A Minstrel Show staged, produced and acted by Coyne Students.



Coyne Students engage in many forms of athletic activities. Here you have a championship basketball team.

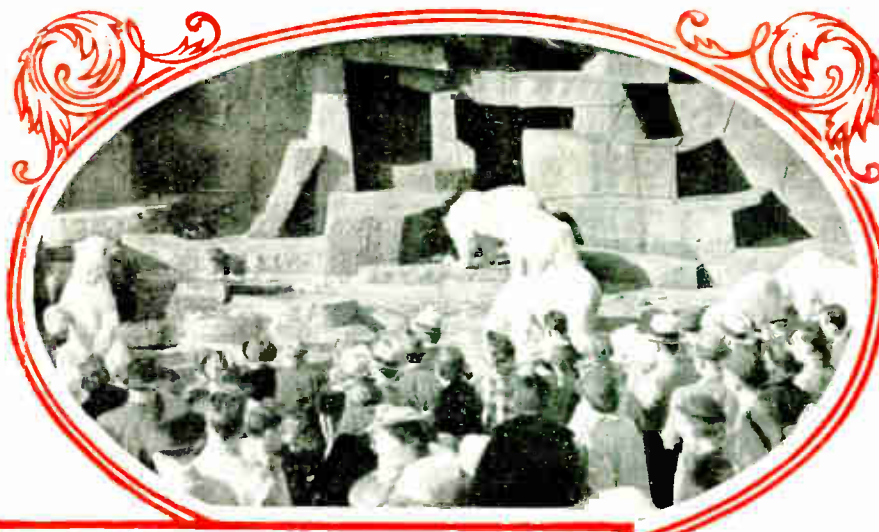


Above: Occasional social activities help to liven up after-school hours. Below is the Y. M. C. A. located near School.

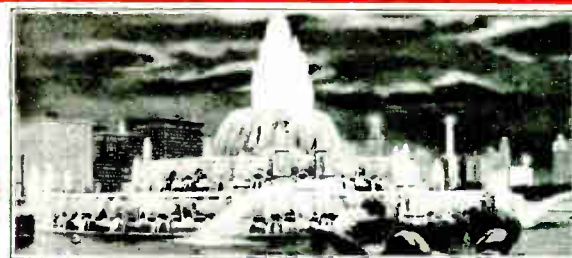


# Beautiful CHICAGO

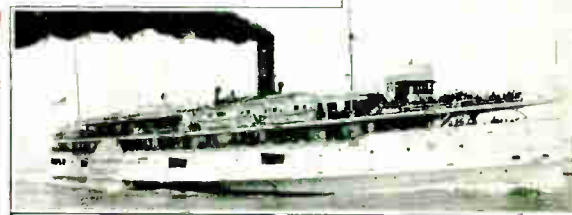
## Get Your Practical Shop Training in the WORLD'S WONDER CITY



Above: Polar bears at the Chicago Zoological Gardens where many kinds of wild animals may be seen in their native surroundings.



Above: The million dollar Buckingham Fountain.



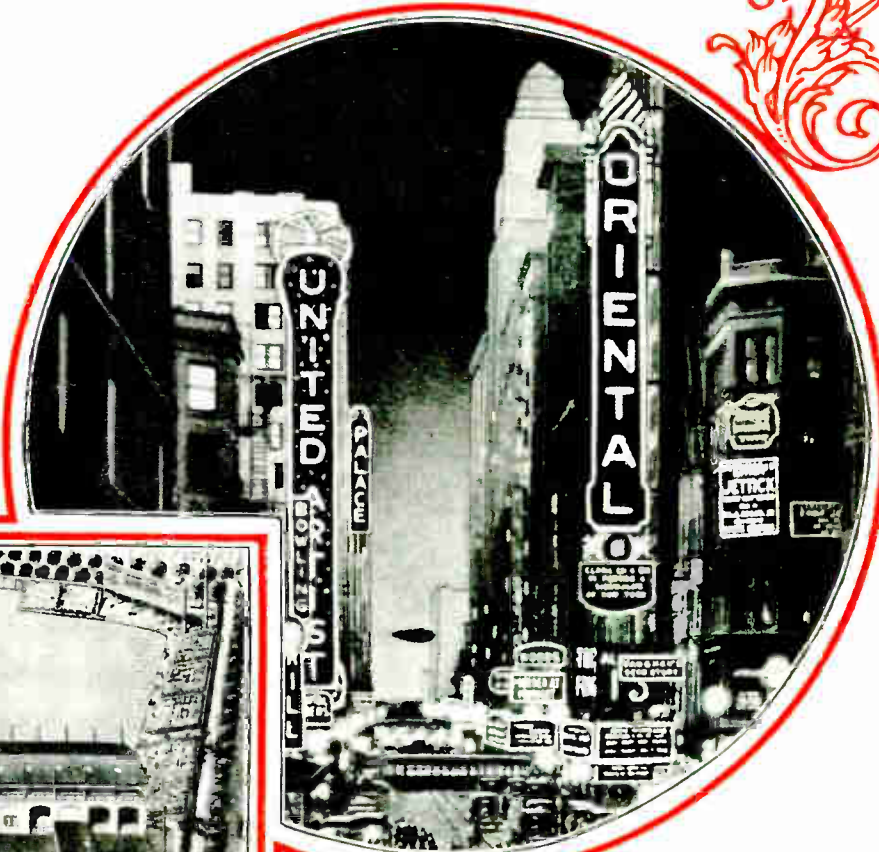
Right: Holiday excursion on beautiful Lake Michigan.



Chicago has nearly 30 miles of bathing beaches fronting beautiful Lake Michigan.



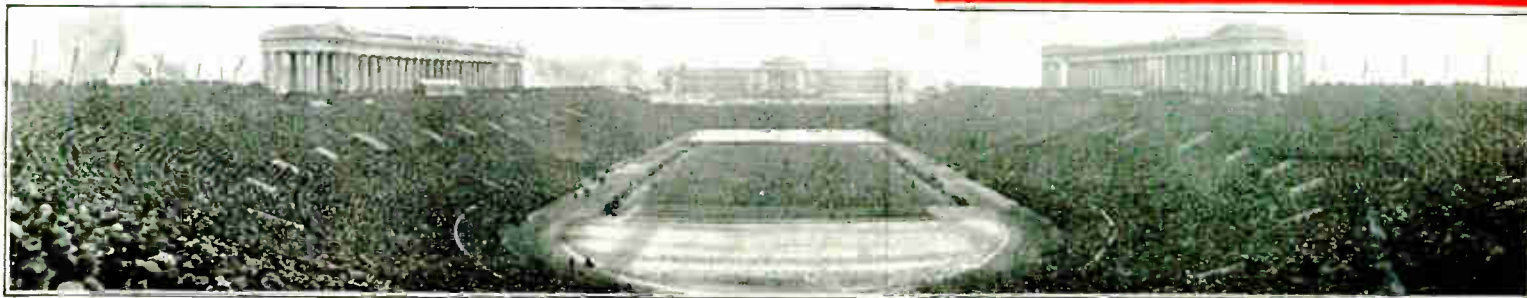
Chicago has many beautiful churches of all denominations.



Looking down Randolph St.—Chicago's Theatrical Rialto.



Wrigley Field,  
Home of  
Chicago "Cubs"



A typical  
football  
crowd at  
Soldiers'  
Field  
Stadium



# Important Questions Asked and Answered

## *Here Are My Answers To What May Be Your Questions*

I HAVE tried here 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 my 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.

### 1. Do you employ salesmen?

Absolutely not! I want the message of my school to come direct to you from me. If I were to employ salesmen, I would have to pay them a large commission and in the end my students would have to pay more for my training. I prefer to pass this saving on to my students.

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

My school is in session all year. Since the training is individual, a student can start any school day of the year.

### 3. What do you mean when you say "no books"? 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. Here at Coyne we don't teach you with text-books. We don't condemn books if they are properly used to further one's knowledge of theory or for reference purposes or to keep posted on events or happenings. Our instruction, however, is on actual Electrical equipment and not by text-books. We give a student the theory he needs by practical talks, black-board sketches and equipment demonstrations. And of course you have your own notes to refer to. Coyne is practical, both in practice and theory and you are not required to study from text-books here in my school. As I have said we do not condemn books, we even advise our students to read good books on the subject they are interested in.

### 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 the world's Electrical center.

### 6. What is the cost of the course?

Prices and terms are given on the enrollment blank enclosed. Additional blanks sent promptly on request.

### 7. Does your tuition price cover full training?

Yes. You never pay us more than one tuition price, which covers all departments included in the Electrical course and in addition, you receive a Life Membership including the features outlined on page 31.

### 8. What are your educational requirements?

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

### 9. Do I need previous experience?

No! Previous experience in Electricity is not necessary. While some of our students have previously done electrical work, most of them have had little or no experience before coming to Coyne.

### 10. What is the age limit for enrolling in your school?

We have students as young as 16 years of age and up to 40 years of age. While we have had students over 40 years of age who have made good, I would prefer if you are over 40 that you write me and explain your circumstances. Then I will be glad to advise you.

### 11. Do I have to recite in front of a class?

Absolutely not. Our instruction, as I have said, is individual. By this, I mean each student can progress independently of the others, so far as his shop work is concerned. If you have any problems to take up with the instructors, you take them up personally with them.

### 12. Do I have to do any school work in the evenings?

This is up to you. Most students spend an hour or two each evening on their notes they have taken from the day's work in the shops.

### 13. Do you grant a diploma?

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

### 14. Does every student complete the regular course in 12 weeks?

Occasionally a student may need more than the required 12 weeks in which to finish his training. Sometimes a student may be a little slower in grasping the work. However, the majority of our students are able to complete the regular course of training in the prescribed 12 weeks' time. Naturally, it is impossible for us to tell a student in advance whether he might require additional time. I want to make clear once again that there is no extra tuition charge if you should require more than 12 weeks. Of course, if you decide to take the optional work described elsewhere in this catalog, then you must plan on spending the necessary extra time.

### 15. Where will I live while going to school?

Our Boarding places are within walking distance of the school and in most of them, there are no other roomers, except Coyne students. Also the Y. M. C. A. is within walking distance, and some students live there.

### 16. What should my expenses amount to?

I have made it possible for my 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 over fifty to seventy-five cents a week. All tools are loaned to you at no charge. Then you will need \$19.00, which covers a set of shop prints, diploma, beginner's outfit and other items needed in your training.

### 17. Do you have facilities for disabled students?

Yes! Some students who are physically disabled are sent to Coyne by various agencies. The loss of an eye, arm or leg may not prevent you from taking my course and benefiting from it. We have excellent facilities for handling disabled students. If you have any disability, be sure and write us about it before you come to school, then I'll be glad to advise you and tell you if it will prevent your benefiting from my training.

### 18. Do your students go to church on Sundays?

This, of course, is optional with the student. We do not force 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.

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## Instructions on Your Arrival in Chicago and Other School Information

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WHEN you arrive in Chicago, just walk right out of the depot and you will see several Yellow Cabs. Get into one of them and tell the driver to take you to The Coyne School, 500 South Paulina Street, Chicago.

Our office is open and ready to receive you on the days and hours mentioned below.

Monday, Wednesday and Friday from 7:30 in the morning, until 9:00 o'clock at night.

Tuesday and Thursday from 7:30 in the morning, until 6:00 o'clock in evening.

Saturday from 7:30 in the morning, until 4:00 o'clock in the afternoon.

Sunday from 9:00 in the morning, until 4:00 o'clock in the afternoon.

Should you arrive in Chicago at any other time than mentioned above—then take a Yellow Cab and tell the driver to take you to the Fort Dearborn Hotel, spend the night there and take a Yellow Cab to the school the next morning.

Don't worry about your accommodations! We'll arrange for your room when you get to the school.

### School Information

Reports — Reports of students' progress and conduct will be made to parents or guardian twice a month, if requested.

Shop Hours — The shops are in session every day in the year, except Saturdays, Sundays and Holidays. The hours are 8:30 to 4:30, with an hour at noon for lunch. Since our instruction is individual, a student can enter any school day.

Office Hours — While there is no school on SATURDAY OR SUNDAY, WE KEEP OUR OFFICE OPEN ON BOTH OF THESE DAYS and MY REGISTRAR and WELFARE MAN will be here. Many students prefer to come on either Saturday or Sunday so they can get all settled and ready to start in Monday Morning. If you want to come on either of these days, THE OFFICE WILL BE OPEN TO RECEIVE YOU between 9:00 A.M. and 4:00 P.M. on both days. There is a complete schedule at the left showing all other school and office hours.

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

Care of Students—Students are lodged in clean, comfortable rooms only, which are frequently inspected by the Welfare Director.

Health—I consider the health of my students to be a very important factor in their stay with us. We have our own physician and trained nurse, and the slightest illness is reported to us by our approved rooming houses and is given immediate attention by our physician or nurse.

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 Postoffice money order.



# My Personal Message

## To Fellows Between 16 and 40 Who Want To Get Ahead

**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 had 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.

Well, as I said, in almost every case you will find one dominating thing in their lives—THEY NEVER KNEW WHEN THEY STARTED OUT WHERE THEY WANTED TO GO. THEY NEVER HAD A DEFINITE GOAL.

### 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 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 stands 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, when the other fellow, who had just as much ability but failed to prepare himself, is a failure in life.

### 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.

My 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.

STOP A MOMENT and think of what I've said.

THEN STOP ANOTHER MOMENT and THINK WHAT THIS CAN MEAN TO YOU.

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 my school. I believe you also recognized the opportunities these conditions will bring in the Electrical Field.

### Trained Electrical Men Vitrally Necessary

**O**N PAGES 4, 5, 32 and 33 I have told you of opportunities in the many branches of Electricity.

With my catalog I have sent you my other literature that tells you of the offers I am making to make it possible for a fellow to get my training with the least possible outlay of money.

Many fellows who receive my catalog may not have had the chance to prepare themselves before.

They may have failed in life because they were at a loss to know just how to get started.

COYNE offers this fellow, whether he be 16 years old or 40 years old, the chance to prepare himself for a better job and a happy and successful future.

Because I believe you are sincere and want to get ahead, I feel you will be here in my school at a very early date—preparing yourself to take your place in the giant field of Electricity.

*A. B. Lewis*  
PRESIDENT





**I Have Given You The Facts**  
*Now* - I Am Going to  
**Put It Up to *You!***

**I**N THE pages of this book I have told you how you can get an electrical training and prepare yourself for a better job and a future.

You want to make more money.

You want the good things in life.

**Electricity, the opportunity field**, offers these advantages to those who will prepare by training for them.

I am sure there can be no doubt in your mind but that the practical "LEARN-BY-DOING" Methods used at Coyne offer you a better and quicker way to get this training.

You are ambitious, of that I am sure.

But, one can be ambitious and still be a failure if they do not take advantage of opportunities when they come their way.

It is the man of **Action**, the man who makes a **Decision** and goes through with it, who makes a **Success in life**.

Great men and successful men, have been men of action, men who acted when the opportunity came.

**Electricity** is a field of **Opportunity**, Coyne is the key that can help to open the door to that opportunity.

The message contained in this book COMES DIRECT FROM ME, because I wanted you to have the facts.

I have shown you how **men and young men** are trained in **Electricity** here at my school.

I have told you of the services I am ready to give you BOTH AS A STUDENT AND AS A GRADUATE after your training is over.

I DO NOT EMPLOY SALESMEN. I want YOU to make YOUR OWN DECISION.

The training, the personal help, and the services given to so many other fellows who came to my school ARE NOW OFFERED ALSO TO YOU.

My entire staff is here to help you and I know you'll find them the finest bunch of fellows you ever met, working one and all in your interests while you are in school and then after you graduate.

AS PRESIDENT OF COYNE, I AND MY ENTIRE STAFF OFFER YOU A HEARTY WELCOME TO COYNE!

*A.C. Lewis.*  
PRESIDENT







