COYNE
Gateway To Opportunity
CHICAGO
World’s Greatest Electrical Center
Founded 1899
The Great New Home of Coyne

Dedicated to Our Thousands of Successful Graduates

As a student of Coyne you will want to know something of the building in which you are to get your training, so I will give you a brief outline of our new home which we have just completed.

This handsome, five-story building was built and is owned by Coyne.

It was built with one idea in mind, to give our students the most efficient, practical Electrical training possible and at the same time keeping in mind the comforts, health and the happiness of our students, during their training.

This building is absolutely fireproof; of the very latest construction and every inch of the entire building is occupied by The Coyne Electrical School. The building is open on all sides and is entirely flooded with sunlight and fresh air and even in addition to this, we have installed automatic ventilating machinery, so that every part of the building will have fresh air at all times.

Nothing has been left undone to make your stay with us the most pleasant as well as the most profitable three months you have ever spent.

This big modern building has been the result of 28 years of successfully training men to better their condition in life. The Coyne Educational School is America’s pioneer institution for practical training.

It is to the success of the thousands of graduates who have left the doors of Coyne to become successful men, many of whom occupy important positions in the Electrical industry, that this building and the success of Coyne is due.

The Coyne Educational School has grown consistently every year from a small start 28 years ago, to the enviable position it occupies today in the Educational field.

This should and must be an important thing for you to consider when you select the institution where you are to get your training.

Your future success and what you accomplish in the years ahead of you depends a great deal upon the quality of training you get.

Remember one thing—Coyne was founded 28 years ago—Coyne has stood the test in all these years and has grown every year of the 28 years.

The building you see on this page, built and owned by the Coyne Educational School, is absolute proof of the responsibility, stability and integrity of this institution.
A STUPENDOUS BUSINESS
Getting Bigger Every Day
which offers untold opportunities
for the future

—Is One of the Most Profitable and Most Fascinating Fields Known to Mankind!

I f you, my friend, have not as yet made much of a success in life; if you haven’t earned much money, or progressed very far, you may possibly not have a great deal of confidence in yourself. If so, I can understand just how you feel. For Success brings you confidence and I don’t know of anything else that will.

So when you read the amazing story of electricity and the many opportunities it offers you in the pages that follow in this big book, I realize I cannot expect you to have the same confidence that I have that all these things can really happen to you. I expect you to think, “Well, that all sounds fine, but I just can’t believe it.” It seems too good to be true.

Every successful man looks back upon this same time in his life when he, too, lacked confidence in his future, in his ability. The average untrained fellow, slaving along on a routine, blind-alley job at $20, $30 and $40 a week would be scared speechless at the idea of his ever making $60 or $100 or $200 a week. It would be so amazing to him, so far beyond his horizon, and the things he has been used to, that he would scarcely believe you if you shoved a signed, gold-bond contract in front of him.

Don’t Let Lack of Confidence Hold You Back

As I stated, however, every successful man looks back upon a time in his life when he went through this same period of “stage fright.” But the greatest courage in the world is going ahead and doing something in spite of fear. So these successful men acted, they had nerve, they dared to make the big GO AHEAD decision in spite of their lack of confidence.

Every word of the big amazing story of electricity in this big book is true. Every testimonial published is a genuine one and the original is in my files. Some are from fellows without education, some unable to speak English fluently, some from married men, some from elderly men, others from young fellows just out of school—and in almost ALL cases they had very little money.

My Training Will Raise You Above the Unskilled Class

For every routine, unskilled, long-hour job that is open, a hundred or more unskilled, untrained men wait with eager eyes—the moment somebody quits, a hundred swarm for the knothole of that one, miserable, poorly paid job.

Exactly the opposite condition confronts the trained man—the job seeks him, and for that reason he can command a salary that to the untrained man seems impossible.

My friend, the big book whose pages are now before you, tells you how you can put yourself beyond the reach of those unskilled millions—so far beyond them in earning capacity that they can not possibly compete with you. My book tells you how you can say good-bye forever to that miserable job, to those long hours of drudgery, to the human bugaboo of fear of the boss—and good-bye forever to that thin pay envelope.

A new Day has dawned for you.

Read the pages that follow. All I ask is that you put your faith in me, no matter how little confidence you have in yourself. I’ll do the rest!

Sincerely,

A. C. Lewis
A Tribute From One of America's Greatest Leaders in the Electrical Industry to the President of a Great Electrical School

by THOMAS C. RUSSELL, President, Russell Electric Co., Chicago

World's Largest Manufacturers of Electric Lamp Sockets Heating Appliances

The stories that come to me from Coyne graduates I employ reflect definitely that the Coyne executive, the Coyne faculty members and the Coyne student both are all like one big, happy family, working together, shoulder to shoulder, in the common commendable cause of making skilled and successful electrical men—yes, real Big Play Electrical EXPERTS—out of men who, for the most part, never before had experienced the thrill nor reaped the rewards which come from genuine achievement. The morale of this unique institution is remarkable. The spirit of Service and Good Will is everywhere apparent.

You can safely entrust your electrical training to H. C. Lewis with no misgivings as to the quality and quantity of service he can render to you.

I have more reasons than my acquaintance with Mr. Lewis and his school for endorsing Coyne training. As the founder and head of the Russell Electric Company, manufacturers of Hold-Hest Appliances, employing several hundred people in my plant, it has been my privilege to employ many Coyne graduates. Their services have been highly satisfactory and reflect very favorably upon the kind of training they have received. We always give a preference to Coyne men because of the training they have had.

Mr. Nolan H. McCleary, who, I understand, has volunteered to write a letter in appreciation of his Coyne training, is one of these graduates we employed a number of years ago.

J. C. RUSSELL
President
ELECTRICITY—World's Fastest Growing Profession

Astonishing achievements in Electrical Science have marked the last quarter of a century to such an extent that it staggeres the imagination.

From coast to coast, this great, silent "white power" affects, directly and indirectly, in whole and in part, your every move, your every action. It is the food you eat, the home you live in, your transportation, your comforts, your necessities. You cannot walk into a store and buy a single product whose manufacture or distribution has not been affected by Electricity.

Take America's basic industry, transportation. America, as a nation, could not exist without it. Whole cities would starve inside a week. Yet transportation itself would be paralyzed overnight without Electric telegraph systems, Electric lights, Electric heating, Electric Ignition, and our modern Electric signal systems. And now the steam railroad is electrifying its locomotives for power.

Another basic industry, steel, now is one of the largest consumers of Electricity. All modern mines nowadays are electrified for ventilation, light and safety. The country's thousands and tens of thousands of huge factories are turning more and more to Electricity to power their machinery, speed up production, and cut down costs. Since 1910 their use of Electricity has increased six times! Every modern factory needs skilled, trained maintenance and operating men.

60,000 Trained Electrical Experts Needed Yearly

Take the automobile. Even now, the most important part of your automobile is its electric power plant, no car can run a wheel without ignition, but what will happen when the other element is exhausted, namely, gasoline? The answer is electrically powered automobiles, yes, perhaps, by wireless transmission of electrical energy.

An average of more than 5,000 separate and distinct new Electric Projects are reported in our yearly issue. Training for these is secured through Electrical, Engineering, Mining, and Electrical fields.

Why I Teach Nothing Else But Electricity

Many years ago, when Coyne was first founded, we taught many different classes of trades, bricklaying, plumbing, plastering, and so on. But long since, all these have been discarded, for two big main reasons:

1. Just as you, a Coyne graduate, are successful because you are a trained specialist, so is my school most efficient and successful teaching ONE TRADE. I believe in teaching what I teach.

2. The demand for trained men in the Electrical Industry is so tremendous that I must train my boys full time turning out skilled graduates, and not the ordinary office boy with a few weeks of free time.

You may have observed that this fact has been recognized elsewhere. I, too, could offer half a dozen different courses to attract as many students as possible. It would be very easy for me to do this and probably make a lot of money, but that is not my policy. I am content to make a success in training my students. They are better trained than any one else could train them, even if I don't make as much money as I could if I taught several different courses.

Why Can I Make You a Practical Electrician

Probably, to one unacquainted with my methods, nothing is more startling than the revolutionary idea of mastering my course in twelve happy weeks. But let us analyze this a little.

In the first place, Coyne values your time too much to burden you with a lot of red tape and endless dry theories which aren't put to everyday use and practice on more than 2 per cent of the country's electrical work. Anyway, I teach you only the boiled down essential theory along with practical work that you absorb and understand many times faster.

Science proves that the eye is twenty times quicker to grasp things. My "Learn by Doing" methods mean that you see and follow and understand every move, every principle, every theory, actual, visible, full-size machinery and equipment. That's why you learn so quickly.

You Don't Recite Before a Class

There is no lost motion, no getting up and reciting before a class, or poring over dry books printed in fine type. NO! You work strictly as an individual, getting personal attention; you are free and independent from every other student. Nobody to bother you, or make you feel flustered, or to hold your back or push you ahead, and a competent instructor works right along with you and helps you with your problems, just as though you weren't another student in the department.

Another reason why I can train you in so short a time is that Coyne is in a place where everybody is happy and feels like working; every day is a school day except Sunday, every Saturday there is school until noon, So you get in more hours-a full seven hours a day of interesting, thrilling work. We don't have a lot of holidays, observing only the big national holidays, like Christmas, Thanksgiving, and so on.

Every one of these school or really "shop" days gives you seven full hours of interesting, thrilling work.
Stay Longer Than Twelve Weeks
If You Wish

Please understand that when you enroll as a Coyne student you are putting back of you, at one stroke, the entire power and resources and prestige and privileges of Coyne for life, not just twelve weeks or twelve months or five years.

You are not required to finish in twelve weeks or any other certain length of time. As I said, my instruction is individual and occasionally a little longer time is required, for every student doesn't grasp the work as quickly as some others. While twelve weeks is the average time, every student is expected to complete the work in each department in a satisfactory way even if it should take a little longer than twelve weeks. Some of my students tell me they feel so reluctant to leave the many fine friends and the interesting work in my shops that they want to stay longer. Others may want to stay a little longer in one department or another that they intend to specialize in. Then again, some students prefer, for reasons of their own, to take longer than twelve weeks for the entire course.

No matter what the reason is, every student is perfectly welcome to stay as long as he desires, and my sole object in helping my students to graduate at the earliest possible moment is so that they can go on as soon as the job and into the rich rewards my training will bring them.

Do not lose sight of the fact that my course, however, can and be completed ordinarily in twelve weeks; this is the average time most of my students take, but I want you to realize that you are the sole judge of the length of time you want to take, and if you feel like going a little slower than the average limit, that's entirely up to you.

When you enroll in my school, there's only one thing beyond my control that determines your success, and that's your mental attitude, your willingness and capacity for wanting success.

If you possess this one thing, you may lack all the other advantages in the world, and yet you can't help being a success with my training.

I don't care how "old" or "young," you consider yourself, how much or how little money you have; I don't care what your nationality is, whether you are married or single, a father or a son, or whether you have an advanced education or not—my training is so efficient, so practical, so amazingly simple and thorough, if you possess determination, nothing on earth can hold you back from success with its power behind you.

Many of America's foremost Electrical Leaders today are men who had little or no education. This is true also in other lines. Abraham Lincoln, Thomas Edison, and scores of other great men started with so little and probably less education than you have. Thirty-one (31) of the names appearing in America's "Who's Who" are men who had no education whatsoever.

I can show you hundreds and hundreds of fellows who today are making big money and have fine, happy homes and splendid jobs or businesses of their own, who had little education before coming to Coyne.

No do you need previous experience. While I have a very large number of students who come to my school after finding they had wasted years of their life trying to "pick up" this profession, yet by far the biggest majority are fellows who never before knew anything about Electricity. These fellows had the advantage of starting their careers in my shops with a clean slate.

Now, that's just what the great shops of Coyne are here for, to give you experience. You'll get it, on huge electrical machinery in full operation, all hooked up and humming with "juice," the very same machinery you'll get paid for working on later; out in the field.

No Investment Is Cheaper Than That Which You Make In Yourself

I've seen one little idea grow into millions. I've seen a man make $5,000.00 a day who, to look at him, you might think he was a day laborer. What makes this difference in fellows? Why is it that out of a thousand men who all look alike and who have the same education a few will make money and the others will be failures? I'll tell you. It's training. It's specializing. It's what's on the inside of their heads. But that doesn't mean you have to be a genius. One of the biggest men I ever knew was the slowest in his class at school; in fact, never liked school, and quit. Training is what counts.

Nothing is cheaper and more profitable than the small investment you make in the most precious thing in your life, your future.

Be fair to yourself. Give that due brain of yours a chance. Yes, even give it half a chance. It can and will be your best friend, once you fit it with trained, specialized knowledge. A small investment now, far less than the average person spends foolishly every few months, will return to you a rich harvest.

In selecting your training, remember one thing: You might get a cheaper course, but can you afford to gamble for a few dollars when your future is at stake? No, indeed! You want the best and you will always have to pay a little more to get the best, whether it be training or anything.
COYNE is Not a One-Man School

O ne point I want to drive home to you right now at the start: COYNE is not a one-man school. By that I mean, I don't want to give you the idea that I personally handle all my students’ problems. Nor do I want you to feel that I alone am responsible for the remarkable growth of THE COYNE ELECTRICAL SCHOOL, and the important position it occupies in the Electrical Industry. Most of the credit belongs to the wonderful group of capable, conscientious, earnest and real human fellows who form the great COYNE family.

When you get here at COYNE, you will find at the head of every department, from the Instructing staff to the Welfare, Graduate, Employment, etc., men who are specialists in their line and can handle efficiently and to your satisfaction any of the problems you may have.

By having the capable staff, I have, men who can depend upon to handle all problems in a real human way, it gives me time to plan ways and means of improving our training and methods of helping my students and graduates. And further than this, it gives me a chance to study the individual problems and the progress of each student. I am personally interested in every student who comes to COYNE and through my department heads I am kept in close touch with each student during his stay at COYNE, and after he graduates and goes into the field.

The men in the above picture are my department heads and I am mighty proud of my good fortune in getting as members of my staff, men who are thoroughly acquainted with the vast Electrical field, who can in the most simple, direct and interesting manner impart their knowledge to others, and who are in entire sympathy with the high ideals and sound policies of COYNE.

No man is permitted to become a member of the COYNE Staff of Department Heads unless he is prominently known as a man of sterling character. I have always regarded it as a solemn duty in the thousands of COYNE students to place them under the guidance of department heads who understand the characteristics and problems of young men, who can gain the confidence and respect of the students, and whose actions are marked by dignity, friendliness and sincerity.

Next to character, I look for ability and experience in the man who seeks to join my staff as a department head or assistant. He must have a wide practical knowledge of electrical work. If he is to be appointed an instructor, it is of utmost importance that he have outstanding knowledge of the subjects he is to teach. He must possess a natural ability for teaching, for no man can be a real successful instructor—no matter how thoroughly he may know his subject—unless he is capable of passing his knowledge to others and is wholeheartedly devoted to his work here.

Each COYNE executive must be a real leader—a man who will at all times be an inspiration to students and will constantly urge them on, in the most friendly spirit, to higher ambitions and larger accomplishments.

It is a huge task to build up an organization such as I have welded together, but my greatest task in selecting executives and other members of my staff have been fruit and have brought countless benefits to the thousands of men who come to COYNE each year to prepare for their life careers.

The required qualifications which I have mentioned are possessed by every man in the above picture and by every other man on the staff here at COYNE.

The picture shows a meeting of COYNE executives. These meetings are held frequently so that nothing may be left undone in the matter of improving COYNE training and rendering fullest service to COYNE students.

It is said that experience is the best teacher. We have had more experience than any other practical electrical school in the world, yet we are not content to rest on our laurels, but, rather, are constantly on the lookout for new and advanced ideas in methods of training.

Each meeting of executives seems to bring forth new thoughts, new methods of instructing and guiding for students, new ways of quickly placing COYNE trained men into important, big-pay electrical jobs.

If space would permit, I would give you a complete review here of the wonderful record of each man in the picture, but that would take many, many pages, and there are things you are more anxious to know at this time. Just let me say that when you come to Coyne and make the personal acquaintance of all these men you will soon have the same deep regard and affection for them that I have.

Every one of them is a leader in his line, as you will learn when you come to COYNE.

These are the men who are shaping the destinies of hundreds of COYNE students, and through their efforts you, too, can be quickly trained and guided on a swift, smooth road to sure success.
Chicago - The Electrical Center of the World

A FEW OF CHICAGO'S MAMMOTH FIRMS, POWERHOUSES, SUB STATIONS

Why Coyne Is Endorsed by Electrical Industry

COYNE has received magnificent support, co-operation and assistance from electrical industry. When you arrive at my school I shall be glad to show you the large number of letters I have from electrical concerns located in Chicago and elsewhere.

Some are from firms asking permission to grant employees leaves of absence to attend my school, other letters tell about the success of Coyne graduates in their employ, and still others represent calls for trained men to go on their pay roll.

Many firms endorse my school to such an extent that they help pay the tuition of some of their employees when they desire to receive my training.

Coyne has grown up with electrical industry, starting way back in the nineties, in the early days of electricity, and it is only natural for us to enjoy the confidence of the oldest and biggest firms in the industry.

Coyne methods of training sprang from electrical industry itself. Just as electrical concerns gladly employ Coyne men, so have they helped me in dozens of ways to make my training the best. Engineers have visited my shops, gladly offered their ideas and suggestions, and, in turn, have thrown open the doors of their great plants for the famous inspection trips my students make regularly.

Nowhere in the world, I do not believe, could all these things exist except in Chicago, the Electrical Center of the World.
COYNE Does Not Teach By Correspondence

I have no quarrel with any school that is conscientiously trying to teach Electricity by correspondence.

I do know, however, and you, as a sensible man, will agree with me, that if you are to be a practical Electrical Expert, you must have practical experience, you must know and understand with what a thing operates as it does, not by reading about it, but by actually operating it.

COYNE was founded in 1899 on the one and only "Learn by Doing" principle and to this principle I owe, in great part, the success of my school.

I am going to stick to it.

My method of training takes out all drudgery, dry necessity theory and gives you the solid gain of every-day Electrical Practice, retaining only the necessary theory that is used and applied by 80 per cent of the electrical jobs that come up every day. No! My school doesn't set out to make you a professor; I give you the things you need to know, the things that actually bring in your bread and butter.

I am, in my great eloquence, the only man to teach you the practical, necessary, useful and necessary business of an electrical job. You can't train for an electrical job in books.

Don't Look for the Cheapest

Here at COYNE your instructors stay with you, answer your questions and help you on every problem that arises. I have selected these instructors not only because they are the best that we could get, but also because they have the COYNE Fellowship after the successful completion of their training and are the happiest and most profitable men in the world. Your life will be the hours you spend with them. They'll see that nothing is left undone to satisfy you and help you on the road to Happiness and Independence.

Take no chances with your future. The course prices are for life. They cover all expense, board, room, books, and make no extra charge to you for extra instruction.

I teach only one subject—Electricity.

COYNE has never believed a man could be a real success if he was a Jack-of-all-trades, and I think the same thing applies to a school. A man can not train men to be specialists if he be a Jack-of-all-trades himself.

By concentrating on one subject at COYNE, we have nothing else to divide our thoughts; that's why we have the most efficient training organization in the world.

Many years ago COYNE attempted to teach other subjects, but it didn't take me long to find out that I couldn't teach any one of them one-third as well as I could by putting all my thoughts on the one subject—Electricity.

That is why my school has grown and become more successful each year. It may be possible to partly train a man in a school that teaches several other subjects, but I also know from experience that NO SCHOOL CAN GIVE THE QUALITY TRAINING THAT I CAN GIVE BY CONCENTRATING ALL MY ATTENTION AND THE ATTENTION OF THE ENTIRE ORGANIZATION ON ONE THING—Electricity. That's why, so long as I am the head of this great school, no other subject will be taught.

A Jack-of-All-Trades Can't Teach You to Be a Specialist

I believe if a fellow wants to learn to do a particular job, he must go to a school that specializes in that job.

Do not remember no school can teach Electricity and teach it right if they are spending half, or more than half, of their time in trying to teach a lot of other things at the same time.

No, if you are sick you wouldn't go to a doctor who spent half his time running a banana stand. That was all right years ago, but not now. Today we have specialists in teaching Electricity. That's one of the reasons why we occupy the position we do.

Big, successful men and big, successful firms always have a lot of imitators and we are no exception to the rule. COYNE has been the only school in the Electrical field, and it isn't and never will be interested in teaching anything else. Just think of that—80 years without a stop. It takes years, many years, to develop a method of training that will be in any way compare with ours. You can't teach one trade for a while, then jump to another and develop a personality that way. It takes years of development and specialization to make a successful school.

I'm telling you this simply to show you how hard it is to imitate us. It is because we have, through all these years, developed a training in Electricity that can't be duplicated, because we have thought Electricity and have spent our lives for one object, the development of a practical training on Electricity and nothing else, which we want to offer you in the best way of getting it.

So, if you want to learn Electricity and go into the Electrical profession, go to a school that is all Electricity and nothing else, a school that has been a specialist and a leader in this big electrical profession for more than a quarter of a century.

You Don't Have to Re-Elect Before a Class

There are no classes at COYNE to hold you back or push you ahead. You don't have to get up in front of a bunch of fellows and rattle, or else you are censured, which is no way to learn Electricity.

We have never made an investment, because you are free and independent from everybody else.

You go as fast or as slow as you like, and no other students will know anything about it, one way or the other, unless you yourself tell them. No one stands behind you, helping you in your study of Electricity.

You are at home, away from home, five o'clock, seven o'clock, you have a job, you don't have a job, you have all the world's chances before you. The instructors are pals with the boys from morning to night, day in and day out.

COYNE ELECTRICAL SCHOOL
500 South Paulina Street
CHICAGO, ILLINOIS
Come With Me Into the Great
COYNE SHOPS

THE Big Day has arrived! You are about to start in the great shops of Coyne as a Coyne student! A button is pressed, the electrically controlled door releases, and we swing through into a great City of Electricity.

You can literally smell the electricity in the air. You feel a great thrill going up your backbone. You sense a sense of tremendous action and power before you. You can feel the urge and force of great things in the air.

You are a Coyne Student!

No toy shop this. No ordinary school scene with laboratories, and dry professors, and textbooks lying around. No miniature nine-tonne motors and generators and switchboards, and so on! Every piece of machinery is FULL SIZE. Much of it would require heavy duty, high-powered trucks to transport from one place to another. You notice with another great thrill that it's all in action, surging with life, all hooked up, and real juice pouring through every wire.

You discover that Coyne handles, right here in one department, enough power to light a small city. You notice several students before a huge panel switchboard, an instructor close by. One of the boys studies

a switch a moment; a big oil breaker type, checks it with his notebook, looks for the O.K. signal from another student, then disconnects the main circuit.

The entire machinery stops. For the first time you realize that, while you had noticed it, the sound of all this machinery in operation had literally filled the room with a mournful, rumbling background. The contrast after pulling the main circuit switch is startling. You can hear a pin drop.

Overhead are stretched huge transmission lines. These lines are used for familiarizing the boys with tower construction, different types of transmission systems, including line testing by Wheatstone Bridge method. For instance, a town is going through a severe storm. Somewhere a main feed line breaks. How do you suppose the exact point of the break is located quickly? Well, a trained man knows just how to do it and he doesn't have to move a foot outside the power house or substation to check it. It's a story in itself, the Wheatstone Bridge method of locating line troubles.

The boys get that practice right here on those transmission lines you are looking at.

But let's not get too far ahead. The first department you enter as a student is the-

BEGINNERS DEPARTMENT

THIS department gives you, in a simple, clear, practical way, an understanding of electrical laws and principles. You learn why one kind of an electrical current travels near the outer surface of a round wire while another kind flows through the whole area of the wire, and your instructor proceeds to demonstrate this in a practical way by means of special tests and experiments with hollow wire and solid wire.

You learn the real meaning of volts and amperage as terms in measuring electrical energy; you learn about the frequencies of current, what static electricity is.

Your instructor then will show you a static machine, operate it before you, and thus produce static electricity. You'll watch with great interest the brilliant flashes while he explains the different characteristics of this kind of electricity, what its principal uses are, and makes comparisons with higher amperage and lower frequency currents. Thrilling! Interesting! Yes, sir! You listen with a sense of intense fascination.

You don't realize you are learning every minute of the time. The thrill of the thing just grips you, holds you tight; you follow every move, hang onto every word, but even though you may not realize it, one by one, great, important facts about electricity, things you must know to be a thoroughly trained electrical man, are sinking into your head, there to stay! You'll never forget them.

You Are Already Becoming a Trained Man

The whole thing is so easy and so gripping that before you know it, you find you have a splendid, unforgetable knowledge of magnetism, the practical application of Ohm's Law, resistance, series and parallel battery connections, and the definitions of the more common terms in Electricity, such as amperes, watts, volts, and so on.

You work out your problems in a practical way. You experiment with demonstration equipment. The plan is so simple and so understandable that you will be amazed at the speed with which you grasp it. Of course, there is a good reason for this. It is the system of training I have worked out.

First, your instructor states a definite electrical fact, law or principle.

Second, he proceeds to discuss it with you, goes into all angles of it, and every time he makes a point he "regulates" it in your brain by illustrating it on a blackboard.

Third, you are required to keep a notebook and you jot down these points as you go along, and in make 100 per cent sure that you understand everything. Practical demonstrations on apparatus are made.

How These Laws and Principles Help You in the Field

Already you begin to realize the tremendous advantages the trained man has over the plodder who tries hard, but doesn't understand what he is doing.

The man who is in demand in the Electrical Profession is the fellow who can go ahead and work and figure things out for himself. If the boss has got to stand over you and tell you everything you are to do, he might as well do it himself in the first place. So many fellows, well meaning enough, but misguided, have plumbed along for years as a helper, at miserable wages, trying to learn the great profession of Electricity in a piecemeal, haphazard manner. Gradually they learn how to handle a screw driver or a monkey wrench, but that's as far as they can go.

You Now Begin To Feel the Power of Coyne Training

That's where these simple but vitally important electrical laws and principles you learn in the Beginners' Department prove their value and put you in the trained class. Because when anything goes wrong, the trained man knows at once what the most probable causes of trouble are; he understands how to trace his circuits through quickly and accurately; and in almost no time he has his fingers on the whole difficulty.

No electrical man can get along without these laws and principles. Right there your Coyne graduate shows his "stuff"; he proves himself able to go ahead and install and connect up a piece of electrical machinery from a blueprint without taking up anybody's time supervising him, and in the way, if the machinery shuts down for some reason, he knows just how to go about locating the trouble.

Your common sense will tell you that the trained man with this ability to "go ahead" is worth far more in salary than the other fellow who is unsuited, who has to be told everything, and watched like a hawk every minute.

Now, all these things you have learned in this department lead up to other things. You now understand the basic principles of electricity, so in your next department you begin to apply them on other types of practical electrical work. So let's make a visit to the Electricity Department.

Above: Instructor Explaining Principles and Laws of Electricity, Before Students Making Tests in Demonstration Apparatus.
You “Learn by Doing” in the Circuit Room

After passing an examination, you go from the Beginners’ Room to the Circuit Room. Here you learn, by actual practice, the various ways dry cells can be connected, and how to apply these connections and current to doorbells, annunciators, buzzers and alarms. You learn the control of these devices by push buttons and hidden connections; you learn how to connect up automatic burglar alarms, fire alarm systems, call systems, electric door locks, and so on.

The work in the Circuit Room includes nearly every kind of alarm and signal system in regular use. The range is from a simple doorbell mechanism to a complicated stick-relay for a continuous ringing burglar alarm. This practical, thorough training makes you master of this department of electrical work. Altogether you get forty-five different and complete systems. You work from sketches made by yourself, and you learn to make systematic tests for trouble on any electric system.

You Advance Step by Step
The procedure in this room is simply one of progressive work. When you have thoroughly mastered one job, you move to the next—and so on. So, you see, you are continually learning something new. That’s the advantage of Coyne methods, and how much different and better it is than just stumbling along as a helper on some job, trying to pick up what little knowledge you can from day to day without an instructor.

Next you advance to Telegraphy, Telephony and Electric Signalling. In view of the universal use of the telegraph and telephone, and the vast number of positions open in this branch of the electrical industry, this training is a valuable asset to any man.

Coyne Training Gives You Practical Experience

Remember every piece of work you do at Coyne is like experience out on the job. Of course, you learn more quickly, because everything you do is planned to teach you something new.

In the Circuit Room you learn the wiring, operation, construction and principles of telephone instruments. You make every practical connection and study its operation under all sorts of conditions. You practice with a sending key and you can, if you wish, learn the Morse and Continental codes, actually sending messages over the wire.

The work in telephony is just as practical. You wire up and test telephonic apparatus. You actually wire and talk over single and party lines. You study Magneto Battery and Central Energy circuits, and learn how to find and correct trouble. You not only learn the more simple connections involved in single line phones, but those of central stations and telephone exchange equipment.

The mysteries of the switchboard become an open book to you. This training in circuit tracing and testing gives you one of the very fundamentals of telephone work and one of the essential requirements for a good maintenance man or trouble shooter, as well as in installing and operating electrical equipment.

Your Circuit Training is a Foundation on which You Build Success
After you study and master each group of apparatus you make a sketch of it in your notebook. Your diagram is a picture of what you learned. Your notebook is a permanent reference work for you, and you will use it many times after you are in the field.

Thus, you see right from the start your training is essentially practical and every assignment you are given is aimed to be of some definite assistance to you in your electrical career. On graduating from the Circuit Room, you are equipped to do Low Voltage Wiring. Many of my graduates who are in business have found this line of work very profitable as it is a branch of electrical work very much in demand.
YOUR next step is construction work—one of the most interesting and
colorful branches of the Coyne course. Realizing the opportunities
that lie in construction work, which includes house wiring, motor
installation, electric signs and illumination, I have spared nothing to make
this department thorough and complete in every respect.

The work in the Circuit Room with low voltage has laid the foundation
for the most important work in this department where you deal with higher
voltage. Naturally, electric wire carrying more current at higher voltage
requires heavier covering or insulation than the small, low voltage wire used
in the Circuit Room. First, your instructor will take a piece of wire and
strip off the black covering or insulation, explaining in the meantime, why
the insulation is put on and why it has to be a certain thickness. Next, he
makes a simple splice with another piece of wire, showing you both the
right way and the wrong way.

Your Instructor Works with You

Now you do the same thing under the instructor's supervision. If you
make mistakes, he will correct them immediately so that you are always on
the right track. From the simple splices, you progress to the more complex
ones until all of the standard splices are fully mastered. Next you learn to
solder these connections and solder lugs wherever they are necessary. As
in splicing, the instructor does it first, showing the right way to handle a
soldering iron and how to "tin" it properly so the solder will stick. Your
first efforts will be rough, uneven soldering, but remember, the instructor
is watching and making helpful suggestions so that you will soon be making
smooth, solid joints that will pass rigid inspection anywhere. In addition
to soldering, you learn how to put both rubber and friction tape on the more
important splices.

Coyne Instruction is Thorough

This work preliminary to house wiring, may seem unimportant, but it
is vital to your future success. Do you realize that fires in homes and build-
ings can be caused by "crossed wires" and faulty connections? How long
would an electrician stay in business doing this kind of work? To be suc-
cessful as a maintenance man in any shop or plant, you will need to know
how to repair or replace defective wiring. The Coyne method of instruc-
tion is thorough to the last degree because we know from experience what
you need and where you need it. No student is allowed to "skim over"
any part of the work. Every job must pass inspection before a new one is
taken up. By this practical, thorough method you lay a solid foundation
for the work to come.

Wire Splicing—First Instructions

Now comes Detail Boards. To acquaint you with various types of fittings,
switches and wiring of many different circuits, I have constructed special
Detail Boards where this work can be accomplished in a compact space. Cir-
cuit work on these boards includes the method of controlling lights wired
in series and in parallel, with single pole, double pole, three-way and four-
way switches for selective and master control. The student is required to
make a drawing of each circuit in his notebook before proceeding to lay it
out and connect it up on the board. You proceed to actual house wiring as
soon as you understand these things thoroughly and can do any of the jobs
without the aid of the instructor.
HAVING completed the work in connection with inside installations, repairing and checking of equipment, you are now ready to continue practical instruction in service installation and motor installation. Service installation covers the service wire or supply wires of all buildings for light and power. You are taught to install the service, line switch, meter loop and cut-out cabinet for a house or for apartments for two or more families. All of this work must be done in accordance with the Chicago and Underwriters Code Rules.

The work in motor installation covers the complete installation of D. C. and A. C. motors, including the meter and necessary control apparatus and switches; mounting of motor and intelligent understanding of Code Rules as regards safety and protection. Students are also required to install wiring in rigid conduit for shunt motors having starting boxes and double pole, single throw knife switch, to control the line. And in addition, connect up the same motors for reversing the field and direction of rotation. We know at Coyne what you will need to make you a success in the field and our aim is to always duplicate actual working conditions on the outside.

Coyne Trained Men Make Good

This kind of practical training fits a man to handle properly all motor wiring for the most particular requirements. You are taught wire calculations for every installation, and the data necessary to install anything from a single motor to fifty or more. You learn the proper use of fuses, circuit breakers, reversing switches, remote control and other necessary factors of work required to make you a practical man, capable of supervising the big jobs. The training is so thorough that it is no wonder Coyne Men make good on the job.

Now you see how a student progresses step by step, being prepared for the things ahead of him as he goes along. In this way, he makes rapid progress without realizing it and the work comes easily. Of course, the necessary theory is explained by practical talks and blackboard work which are made interesting with practical demonstrations by the instructor. Nothing is ever dry or uninteresting in the Coyne course, that is why my students learn so quickly, they are interested in their work. I am sure you can see how impossible it would be to learn this fascinating work except by practical methods. That's why I say there is only one way to learn electricity and that's "Learn by Doing."

Coyne Always Keeps Pace With the Electrical Industry

Electric refrigeration has recently become such an important industry that we have installed some of this equipment so our students can get complete instruction on the operation and care of these machines. Millions of dollars are being spent each year for advertising of this equipment, and millions more for manufacturing, selling and servicing of the refrigerators.

This means wonderful opportunities for any one in electrical work or business, and we want our graduates to be able to cash in on them.

This is just another example of how complete training means money in your pocket.

Big Money in Construction Work for the Coyne Trained Expert

CONSTRUCTION work offers a wonderful field for the man who wishes to go into business for himself and who is a thoroughly trained Electrical EXPERT. A great number of Coyne graduates are now doing electrical contracting and making lots of money. Many men have attempted to go in business for themselves after learning this one branch of the work. They are rarely successful because it is necessary to have a thorough knowledge of all branches. That is why the Coyne man is successful, where the man with a little knowledge of the one branch is outclassed. To be a success in any branch of Electricity you must be thoroughly trained. The average number of homes that are wired for electricity in our larger cities is only around fifty per cent. Thousands of smaller towns are not wired at all so you can readily see the opportunities for the practical man in house wiring. Nearly every manufacturing plant operates from several to hundreds of electric motors. The installation and maintenance of these motors is a profitable field in itself.

Many of our graduates who are in business do this work and make big money in addition to their contracting work. Some of our graduates take jobs on a contract basis to install and maintain motors and have more work than they can do at big pay.
Electric Signs and Illumination

Our Equipment is Modern

You work on practically every known type of this device in common use, from the simplest to the large types controlling several circuits. It is by keeping our equipment modern at all times that COYNE has won the reputation of the "World's Greatest Electrical School."

The tremendous use of electric signs for advertising purposes opens up a big field for the Coyne trained expert. Besides the installing and operating, there is the contracting end of the business, which is very profitable in towns where a large number of signs are used. Coyne trains you to handle any of these jobs.

Thorough Training in Illumination

Der the wide use of artificial lighting in every industry, there are very few electricians who understand the requirements for proper illumination. This naturally comes in connection with construction and sign work because the equipment and wiring is a big factor.

You Learn from the Very Beginning

You are first taught the principles of illumination, proper diffusion and intensities of light for all practical work. Then you take up the various types of lamps and fixtures and their uses. Then you are taught the proper kind of fixtures to use under different conditions and you are required to make various tests with the candle meter shown in the picture, to determine the proper intensity and distribution of light. And when you are in the drafting department, you will draw the complete lighting plans of a building, showing just where the lights will be placed and how the wiring will run. You also receive practical work on vapor-filled lamps, such as the Cooper-Hewitt illustrated above, also show-window display lighting.

Training that Enables You to Make Big Money in a Business of Your Own

Coyne gives the student a thorough training in laying out floor areas, enabling him to calculate the number, size and proper style of lights to secure the best possible illumination under any and all conditions. This work is very important and the expert who can sit down with the building contractor or architect and figure out the correct illumination requirements for any style of building, from a manufacturing plant to a cottage, will find his services in great demand.
Armature and Stator Winding for Motors and Generators

Your training in this department includes all armature and stator winding jobs from the smallest fan motor and automobile generator to the motors of large horsepower. Your work here must be done correctly because every job must be tested and found perfect before you are allowed to pass to the next one.

That's why Coyne men make good in the field. They are trained to do armature work with their own hands and to do it right. It's the same in all departments. That's why Coyne men soon outdistance the crowd of so-called electricians who have obtained a little knowledge of electricity by the "pick-up" method. These men know electricity just the same as a parrot knows how to talk; they know how to do a few things but have no idea why they do them. But the Coyne man is first taught why a thing is done and then how to do it. That is why Coyne has enjoyed the reputation of being America's Greatest Practical School for the past twenty-eight years.

Big Money for the Man Who Knows Armature Winding

Armature experts are in demand and command big pay. Traction Companies, Electrical Appliance and Machinery Manufacturers, are in great need of practical men who are armature Experts. Armature and stator knowledge is absolutely necessary if you are to become a Practical Electrical Expert. All up-to-date Industries use motors and generators, which are subject to break down, and these faults often occur in the armature or stator. And a good maintenance man in any shop must know how to test and find grounds, shorts and opens, or burned out coils in these windings, and repair or replace them.

And when a machine burns out entirely, the man who can rewind it and get it back into service quick, is in demand.

Your first jobs in this department are on direct current armatures. First, your instructor gives a short practical talk explaining the different types of windings. Then you go to the armatures shown below and lay in the windings with cord. The reason we use cord first is because it is a great deal faster than winding with wire, and in this way you can lay in all the different types of winding in a short space of time to get acquainted with coil throw, commutator pitch, etc. After you complete each job, the instructor will check you up and you make a diagram of each particular winding in your notebook. By doing the work this way, it sticks in your mind—you will never forget it. You then do the same work on stators.

Nothing Left Out of My Training

You are now ready to wind armatures and stators with wire. Before doing this, however, you are taught to calculate the size of wire, number of turns and the method of forming coils and type of insulation. Now comes the most fascinating part; the instructor hands you an armature, a spool of wire and tells you to "go to it." Because the student has had the preliminary work with cord winding, he will be able to design and lay in a winding correctly.

The next job, of course, is to test your work with a "growler" and meters to see that there are no "grounds," "opens" or "shorts." If you find trouble, the instructor shows you how to correct the fault. This is just as important as laying in the winding because it makes you proficient in "trouble shooting." The real test of an armature expert is his ability to spot trouble and fix it quickly. Coyne training enables you to do this.
Complete Equipment

When you are sure that the armature you have just wound is free from "grounds," "opens" and "shorts," you take it over to the lathe shown below and true-up the commutator. The final step is to bake the insulation in the Bake Oven shown on Page 19. Now you have done a real job—you have wound an armature, tested it and baked the insulation. And the best part of all is you understand it thoroughly because you designed the winding yourself and did all the work with your own hands. Is it any wonder that Coyne men know their business!

Your Training is Made Complete by Inspection Trips

In this connection you practice with series, multiparallel, star and delta connected alternators so that every known type is made familiar. When you have completed all this, we test your ability to "shoot for trouble" on all types, both D. C. and A. C. To make this training complete, our equipment includes over thirty different kinds of machines, both large and small, which the advanced student is required to test. You will never be "floored" by a problem when you get out in the field, because you mastered the same problem in your training at Coyne. Your instruction is furthered by inspection trips to large plants where armature winding is done on a big scale.

Winding Armatures and Stators. Note That This Is Actual Wire Winding

The jobs on A. C. winding are practically the same as D. C. except that you work with a different type of machine and most of the winding is done on the stator which is the stationary part of the "field." You start out the same as before with cord winding on single, two and three phase machines and then switch to wire winding when you have mastered the various types. One of the most important jobs in A. C. winding is changing the voltage or speed of a machine by reconnecting or rewinding. This kind of practical shop work is intensely interesting because it gives the student a chance to practice what he has learned in this department.

Practical Lathe Work Truing Up a Commutator

Overhauling and Testing a Motor Before Rewinding

Students Winding Armatures and Stators. Note That This Is Actual Wire Winding

STUDENTS in armature work get a lot of practical experience repairing machinery in other departments of our great shops. You do maintenance work just like you would do it on the outside. If a machine "goes bad" in the A. C. room, one of the armature students will have to test it and make the necessary repairs. It’s fascinating work and practical because it’s the same kind of work you will have to do out in the field. So you see, we specialize on shop work—the only kind of work that will make you an EXPERT.
You Wind and Form Coils by the Most Modern Machine Methods

When You Have Finished this Training—You’re Sure You’re Right!

Above you see the armature Test Bench, on which students are testing motors they have wound. I want my students to do more than just a neat job of winding. I want them to know that the motors they wind will run, so that when they are out on the job they will be sure that they can handle the building up or rewinding of any kind of motor with absolute confidence that the job will be perfect.

Notice the armature wiring diagram on the blackboard. It is one of the many simple, understandable diagrams with which my instructors explain to you, the different types of windings, the methods of winding and connecting coils, and what makes the armature revolve when current is passed through it, and how to determine the number of turns and the size of wire to use for different voltage, H. P. and speed.

This is just one example of the thoroughness with which you are fitted to handle the big jobs in Electricity here at Coyne.

You Learn to Do the Job in a Really EXPERT Way

This new machinery does the work much quicker and more economically than it could be done by hand, as well as producing neater and better coils. When you come to Coyne, you yourself will wind coils on the winding machine and then form them on the forming machine. You will be taught hand winding, too, in case you ever have need for it.

This complete and practical training is one of the reasons why large employers are so eager to hire Coyne graduates. You will find, when you graduate, that Coyne thoroughness means many dollars to you, in the form of big salaries and steady work.

Coyne Equipment Must Be Complete

It would be utterly impossible for me to give you this splendid training, if it were not for the expensive, up-to-date equipment which I am at all times adding to my course, to keep it always the most modern.

But I am glad to do so, because I like to know that when a Coyne man gets out in the field that man is so thoroughly and so practically trained that he will spread the fame of this institution just as thousands of Coyne men have done for the past twenty-eight years.

I like to feel that every man who leaves our doors is capable of holding down the big electrical jobs—that a Coyne-trained Electrical Expert is always ready to tackle any problem that might come up in his work with absolute confidence in his ability to handle it right.

My graduates will tell you what this means to you. Just look at the photos of some of my successful graduates on pages 40 and 41. See the kind of jobs they’re handling.

Then you’ll realize that training which fits men for jobs like these must be complete in every detail, must give students practical training on the same kind of apparatus that is used out in the field.

That’s why I have spared no expense in keeping Coyne Equipment the most modern, up-to-date equipment of any practical Electrical school in the world.
NOW you want to know how you will use your armature experiences and how much it will help you to get a good position. Well, it is simply this: No man could hope to qualify for a real big job such as superintendent of a power plant without a thorough knowledge of armature work. If you accepted a responsible position as motor maintenance man, looking after fifty or a hundred machines, you would be helpless without armature training, and the man who can quickly repair the armature of a machine without supervision or the expense, costly delay and trouble of sending the job outside or calling in an expert is a valuable man.

**You MUST Be Trained in ALL Branches of Electricity**

I want to emphasize again the importance of a complete electrical training—not just one branch—but all branches. Coyne builds you up gradually, laying a solid foundation as you go along. One subject leads to another so that you are carefully prepared at every step in the road. Armature and stator work is absolutely necessary in A. C. and D. C., and unless your training included a thorough training in armatures and stators you would be greatly handicapped in practically any branch of electricity. When you have laid the coils and insulation in a blank core and connected it up and made it run yourself there are no mysteries about the operation of A. C. or D. C. machines.

By taking the subjects in their logical order the work is made easy and at the same time interesting. You know the work thoroughly because you have done the jobs yourself.

Can you imagine a man learning electricity any other way except by practical experience; could you learn to wind, test and bake the insulation on an armature by reading about it in lessons or books?

**Coyne Trained Experts Get Good Jobs**

One of the best paying positions is that of armature inspector and motor maintenance man. You will find this job in any power plant as well as in countless numbers of manufacturing concerns operating A. C. and D. C. machinery. Wherever motors or generators are used on trains or steamships, you will find plenty of motor maintenance work. Only trained experts can qualify because the repairs must be done quickly and efficiently and the inexperienced man would not even "get to first base." Coyne men have made good and are now doing this kind of work in power plants and manufacturing concerns all over the country. Employers regard them as the "pick of the field" because they have had practical experience combined with the necessary knowledge of the operating principle of electrical machinery. You can't afford to overlook this kind of training—it is the difference between success and failure.

**Here's the Latest in Electric Ovens for Baking Armatures**

To the left you see the very latest type of modern Electric Bake Oven, used for baking and curing the insulating compounds on finished armature windings and field coils. This oven has automatic temperature control equipment so it can be set to maintain any desired temperature through any given period of time. It is heated entirely by electricity, using space heaters of nichrome ribbon coil type, and uses about three kilowatts current consumption. The baking of this insulation makes the finished winding waterproof and protects it from damage by dirt and injury from handling.

Working on modern equipment of this kind gives you a familiarity with its operation and construction that will be invaluable to you later out on the job. The equipment you will get your training on in my great shops will be the same equipment you will be paid for working on in the field. That's why Coyne training makes you sure and confident of yourself, after you graduate, and able to command a high price for your services.
NOW that you have finished the work in the construction room, you are advanced to D. C. or Direct Current work. This is where you get your first real taste of power work and the production of electrical energy. Up to this point, you have probably wondered where the "juice" came from and how it was generated. Now you are going to find out. There are two kinds of electric current, direct and alternating. The work in this room deals with the production and uses of direct current only. Here you will find assembled all types of motors and generators together with the necessary control apparatus and instruments for testing. The demand is so great for experienced men who can operate and maintain direct current machinery that I have "left no stone unturned" to make our equipment the finest in the country.

First, the instructor gives you a practical talk, showing the various types of shunt, series and compound motors and generators. He explains the different parts, their arrangement and how they set under various conditions. Then he takes you right to the apparatus and demonstrates the principles he has been talking about so that everything is made clear. You are not left "flat" with theory. It's "I'm from Missouri" in the Coyne course and we see to it that you do the work yourself so that you understand it thoroughly.
You Learn All Types of D.C.
Motors and Generators

BEFORE taking up the control apparatus, the student is required to make a number of experiments with direct current motors and generators. Each type has different characteristics and different uses but you become familiar with all of them by tracing out the circuits and making sketches in your notebook for future reference when you get "out on the job." The instructor will purposely throw a motor or generator out of adjustment and it will be up to you to put it in working order again. These experiments are not designed to "catch" the student but to test his knowledge so he will never be "stumped" by practical problems. The great success of Coyne graduates in power plants is due to the fact that they know a great deal more than the average electrician. They get the big jobs because their instruction was the same as actual working conditions.

You Get a Thorough Knowledge
of Meter Testing

Now that you have become familiar with the different types of D.C. motors and generators, you must know how much current is going in or coming out of the machine; in other words, the input and the output. Various types of meters are used to measure this energy and for test work. Of course, you study the more common types that are installed in every house or building where current is used and in addition to this, become familiar with more complicated meters that are used in power plants. First, your instructor will take a meter and explain its operating principle and the graduations of the scale, so a correct reading can be obtained. Then you will take the meter yourself and make a similar reading on another piece of apparatus. The practical work on meter-reading includes maximum demand, or discount meters, kilowatt hour, volt and ammeters.

We also give you ammeter shunts, voltmeter multipliers and the Wheatstone Bridge, both slide wire and box type.

One of the most interesting experiments in the direct current department is the Prony brake test. This particular test is to determine the horsepower of a motor, and you will use this knowledge many times in your future electrical work. You can readily see the importance of this test and can appreciate the fact that the average electrician would not have an opportunity to become familiar with this particular apparatus. Imagine yourself in charge of a power plant where it would be necessary to know the horsepower of various machines. Without this knowledge you would be helpless and that's why it's in the Coyne course. You will probably wonder when you go through the school why I have placed so much importance on these tests. It is because I am training you for a big job—a job where your thorough training will place you in a class above the average electrician. In addition to testing for horsepower with the Prony brake apparatus, you are also taught to test motors for efficiency, using voltmeters, ammeters, wattmeters, etc. Naturally, it is necessary to determine the efficiency of a machine as well as the horsepower. The illustration to the left below will give you an idea of how this interesting test is made.

Nothing is left out of the Coyne course to make you a success. Read an this page what two of my graduates have done since leaving Coyne.
Interesting Work
With D.C. Controls

After you have learned all about the direct current generator and motor, and can take these machines apart and put them together again, with a full understanding of testing and repairs, you get a thorough training in the very important apparatus that comes between the generator and the motor, viz.: the controls. An expert control man is one of the highest paid and scarcest of electrical workers. This particular branch offers splendid connections “right off the reel” to the Coyne trained expert. Consequently, I have installed control apparatus used in every class of business—all of the most efficient and expensive type, representing an equipment not equaled by any other institution anywhere. This knowledge is also very necessary in all maintenance work.

“Trouble Shooting,” Testing and Repair Work

As a finish to the work on controls, the student is given testing and “trouble shooting.” Your instructor will assign you to a certain control which is out of order. It will be up to you to make tests, locate the trouble and repair the apparatus so that it is in good working order. After you have done this successfully several times, using the knowledge you have gained in previous work, you will not be afraid to tackle anything. This kind of work makes the course intensely interesting. You become fascinated with some problem and are not satisfied to give up until you have “licked the job.” Coyne men are noted for their ability as “trouble shooters,” and the reason they can do it quickly and efficiently is because all their training has been along practical lines.

Coyne Fits You For Responsible Positions

The control boxes are mounted on panels which make them easily accessible. Each type of control is different and is connected to a motor suitable for a particular kind of work. The student learns the correct method of connecting the motor with the control and must prove to the instructor that he can operate the machine properly and make a sketch of the wiring in his notebook before proceeding to the next type. Controllers vary with the kind of work in which they are used and to become an electrical expert you would naturally want to be familiar with every type in standard use. When you consider the number of controls that are used in power plants, electric trains, electric elevators, machine shops, print shops, electric cranes, shovels and many other kinds of heavy machinery, you can appreciate the importance of this subject.

Coyne equipment includes train lever and reversing drum type for train work—magnetic brake, and tank controller for filling tanks. In addition to this, you work on elevator controllers, both drum and plunger type, hand and automatic, as well as release type starters. There are several types of remote control such as dynamic brake and push-button type, which form a very important part of the work on this apparatus. Thus you see that by giving you practical training on every conceivable kind of control we are fitting you to accept a responsible position with a substantial salary. Can’t you see the tremendous opportunities that lie in this branch of electricity for the Coyne Practical trained expert?
“Learn by Doing” with Modern D.C. Switchboards

You are probably wondering where the switchboard comes in. The switchboard is the heart of the system receiving the current from the generator and distributing it under control to all the various circuits at the will of the operator. The work on switchboards consists of a study of the construction and operation of all regulating devices, such as field rheostats, line switches, meters and circuit breakers. Every student gets thorough practice in the operating of this switchboard and regulation of the generator voltage, paralleling generators, etc.

Amazed at Completeness of Our Shops!

Did you ever go through a power plant and notice the massive switchboards! It looked like a Chinese puzzle, didn’t it? Well, when you finish the switchboard work in the Direct Current Room you will know this equipment “like a book.” You will be able to tackle almost any kind of contracting job where you would have to install, operate or maintain direct-current machinery, including the generators, motors, switchboard and necessary control apparatus. Coyne training and Coyne equipment has made this possible. I believe that there are but very few schools that offer the opportunity to work with your hands and suitable tools on the same great outlay of machinery that you will find “out on the job.” Some people think I have gone crazy on the subject of equipment. But visiting electrical engineers have been amazed at the completeness of our great shops, and have remarked how easy and thorough our training is made with this actual equipment.

Direct Current a Big Field for the Coyne Trained EXPERT

Now that you have been told of the instruction in the Direct Current Department, you are anxious to know more about the opportunities in the field for this kind of work. A good part of the apparatus used in power plants, railway service, steel mills and smaller manufacturing plants is direct current machinery. The district nearest the Central Station in many large cities is often operated with D. C. There are many important good-salaried positions in power work for the Coyne practical trained expert.

D. C. Work—A Foundation for Alternating Current

Just think of the thousands and thousands of good jobs around railway yards and other places where practically everything is operated with direct current! In addition to the work on new installations, just stop and visualize the repair work on motors and generators now in use. So you see, the field is unlimited, but remember, the big jobs will be filled by practical men. The ordinary electrician who has picked up a little experience here and there will not qualify. The work in Direct Current has laid the foundation for the most interesting and important subject in the electrical field, namely, alternating current.

FROM FARMER TO ASST. CHIEF ENGINEER IN ONE YEAR

Dear Sir:

I am writing to tell you about my success as a Coyne Graduate.

Before I entered the Big Coyne School, my occupation was farming, and after finishing the course in October I got a job at the State Hospital as a maintenance man. Now I am Chief Engineer and the head of the maintenance department. This电气工程 my work here was in an awful change when I started work. It is a good system and it is all due to the Coyne system. We also have a telephone system here that is owned by the State, that I have to keep in working order.

I have a great variety of Electrical Work, that I couldn’t have started to accomplish if I hadn’t taken your course.

Yours as ever, graduate.

MARTIN L. OLSON
NOW you are about to enter the field of A. C., probably the most interesting and most important branch of electricity. Alternating current has made wonderful advancement in the past few years, and the years to come will show an even greater advance, so without a thorough knowledge of this fascinating work, the electrical man will not get very far. That is why we have put so much emphasis on this particular department. Many Electrical authorities visiting our school have expressed themselves as astonished at the completeness and thoroughness of our A. C. layout.

Your Previous Work Has Paved the Way for Your Work in the A. C. Dep't

Below I have shown a picture of part of the A. C. department. You will notice the railings around the different apparatus; now this is to divide the different sections so that each particular type is in a section by itself. Altogether there are more than one hundred separate jobs in this room. The student is required to operate every piece of apparatus by demonstration and practice; of course, some theory is necessary. This is given by plain practical talks by men who have had years of practical experience and know how to explain what they know. These talks are made clear by illustrations, diagrams, etc., and are very interesting. The same rule applies in this department as in the others, when a thing is explained to you, then you are required to do it by actual practice, as I believe that to learn you must "Learn by Doing."

It is possible for us to teach this work quickly and thoroughly because of two things:

1. The sound, practical training received by the student up to the time he reaches A. C. work. Second, our tremendous outlay of equipment that enables our instructors to train you on A. C. principles and laws by actual practice on the machinery used in alternating current work under the same conditions you will meet on the outside.

The machines, of course, in this room are different from those used in direct current work; they are wound differently; the controls are constructed on different principles, and there are many types of apparatus to learn; such as the compensator, the transformer, the rotary converter, etc.

You are taught the different things that happen where electrical energy alternates (swings back and forth), instead of flowing straight onward as in D. C.; you work on all these different jobs, advancing step by step. When you have completed one job, you go to the next one which is just a little more advanced than the one you have just finished. That's why it isn't hard to learn at Coyne; you just grow right into it without realizing that the work is becoming more advanced.

You Must Have a Knowledge of All Branches of Electricity to Advance

When you get out into the field and accept a position, you find the training you have received here duplicates the actual work you will be doing. You take up your work with the "know how" of an old hand, and your progress is made much faster toward greater income. Time and again our graduates write us, telling how their training enabled them to go right in and work beside old timers—yes, and show these older men many tricks of the trade which they were not familiar.

Many men have attempted to learn electricity by picking it up outside with the result that they have only learned one or two things. These men are working under a handicap because they haven't a thorough general training. I don't mean by this that I don't believe in specializing. I believe a man should specialize in some branch of electricity, but he must first have a thorough general knowledge of all branches before he attempts to specialize because every one has some connection with every other branch, and they must dovetail into each other. That's another reason, and a big one, why Coyne students advance so rapidly.
Students Working on Power Substation at Coyne

This is the type of substation used to receive energy from transmission lines from low to much higher voltage, and was erected complete in the great shops of Coyne by students. It is the very latest type, completely equipped with suspension insulators, choke coils, lightning arresters, high voltage remote-operated, load disconnecting switches, special high voltage fuses, transformers, and so forth.

The erection and care of this type of equipment offers an enormous field, very interesting and highly paid work, and your Coyne training qualifies you to handle any job of this kind.
Students Practicing On Spot Welding Machine

Electric Welding

ELECTRIC Welding has become such an important process in all industrial and manufacturing plants in the last few years, that no shop electrician or maintenance man can afford to be without a good knowledge of this equipment.

In this department the students get actual practice on both "spot welding" and "butt welding" machines, built right in the department, and every man learns how to build a welding transformer, which can also be used for thawing out frozen pipes by electricity, and many other test jobs. Is it any wonder that our practically trained men are preferred to those who know nothing of such equipment.

In this department we cover all the important branches of A. C. work on actual power machinery. Imagine yourself starting and synchronizing alternators, and the thrill of having full responsibility for the control of all

the power in this department. This comes when you advance to the switchboard operating practice, which every student is given, on the main board, with its meters, switches, circuit breakers and controls.

When you close the switches and the big machines start to hum with power, then you really begin to feel your mastery of this great force ELECTRICITY, and to realize what it means to have all of your training right on the equipment, and the confidence and ability this will give you out on the job.

The student follows out the practical work on machines in this room, doing each job in its proper order, first connecting, operating and testing all kinds of A. C. industrial motors, controllers, and devices that use this energy as it comes from the substation, then the substation itself, with switching equipment, lighting, arrestors, transformer connecting and testing voltage regulator, etc., and also the layout of distribution systems to carry this energy from the substation to the consuming machines.

Then operating and synchronizing of alternators, and actual practice on motor generator and rotary converter operation and testing, booster generators, auto transformers, etc.

Also features of up-to-date transmission line construction, on real lines, with steel towers suspension insulators, strain insulators, arcing horns, etc.

You DON'T Have to be a Genius to Learn at Coyne!

Leading electrical authorities agree that the Coyne method of training is superior to all others. My job method of shop practice is the most efficient training and is the logical way to teach electricity; that is why our course is simple and yet thorough. You don't have to be a genius to learn by the Coyne Job Method.

The illustration below shows the student getting actual jobs on motor repair and testing. They must learn the rules for systematic inspection and repair tests or trouble shooting, as it is sometimes called. This work also familiarizes the student with different parts of the motor, and the instruments and tools used in this repair work. The actual parts of motors are few and simple when one thoroughly understands the purpose and principle of operation of each part.

The repairing of the windings of stators and rotors for A. C. machines is a subject by itself and is taken up in detail in our Armature Department.

Students Testing Induction Motor

Rotary Converters and Motor Generator Sets

WHEN it is necessary to change direct current into alternating current, a machine known as a rotary converter is generally used. When your high voltage energy has been transmitted over the line to the substation the voltage must be "stepped down" by means of transformers to your operating voltage. Then a rotary converter is used to change this from A. C. to D. C. So at this point you work on the apparatus and get actual practice in starting, paralleling and operating rotary converters. Our students make thorough tests on these machines and learn by actual practice how to operate and maintain them.
Practical Work—Transformers and Transmission

The picture at the right shows one of the very important and newer pieces of electrical equipment, that is still little known in many shops and electrically operated factories, is the "Static Condenser," by which great savings can be effected in correcting low power factor caused by induction motors and transformers.

After you have had actual experience with these interesting devices, and tested and proven their value here in our shops, you will be able to confidently recommend and install them for your future employers.

This merely represents another of our continual efforts to keep our students up to the minute on all these things.

The massive tower construction and equipment below show students making transformer connections, testing and operating transformers on single and three-phase circuits. Also testing insulators and protective devices used in transmission line construction. For making these tests they use voltages from 32 to 4,400, which are the same as you will have to deal with when you take a power plant job.

Another important test that you will use many times on the outside is that of testing high voltage insulators and lightning arresters with a high voltage transformer which throws an eighteen-inch spark. This work is extremely important because high voltage energy is necessary for economical transmission. You will need this practical training in order to qualify for the many opportunities in modern transmission line construction.

We know of no other school that offers you the chance to get such complete practical work on such a tremendous outlay of equipment; that is why Coyne has been the leader in its field for the past twenty-eight years—the school indorsed by many leading concerns.

Students Testing Static Condensers

Showing Students Testing Transformers; Protection Devices for High Voltage and Transmission Lines
Inspection the World

Our Chicago Would Not Be Without Our Inspections

One of the great features of Coyne Electrical School is the inspection trips to the many power plants that have given Chicago the name in which the students take a keen interest.

These inspection trips are made frequently and the engineers in charge of these plants are always happy to show the students the various aspects of the operation of their plants.

Look at the picture in the center; this is one of the automatic substations of the Chicago Edison Company. This station is one of the largest in the world, and it is operated by a small team of operators.

Another inspection trip is to the engineering department of the Chicago Edison Company. This department is responsible for the design and construction of the company's power plants.

Generates Over Two Billion Kilowatt-hours

Many other interesting trips are taken, including visits to the factories of the Edison Company, the largest electrical power company in the country. These trips are shown in the picture on the right.

Our students have an opportunity to see how the electrical equipment is manufactured and how the plants are operated.

Inspection Trips Our

These trips are a great help to our students in their studies, and they get a better understanding of the electrical equipment and the operation of the plants.

You See the Great

Students also visit the plant of the Franklin and Vernon companies and complete the inspection of a mammoth power plant. The trip is always interesting to the students, and they get a better understanding of the electrical equipment and the operation of the plants.

Another great trip is to the engineering department of the Chicago Edison Company. This department is responsible for the design and construction of the company's power plants.

So again I say—the place to learn electricity is Chicago. You get the many advantages of living in a great city and being near the electrical center.
Course

3 Be Complete Inspection Trips

"Training, and one that only the students of Coyne with Power Plants and Electric Manufacturing can have the privilege of being the World's Greatest Electrical the students are always accompanied by the instructor if it were an education in themselves. The regular trips made by my students. I could not consider my training complete if it were not for trips made by my students. I could visit, so I have only attempted to show you a few of the visits to Coyne.

which shows a portion of the largest private or national electricity for Power, Light, etc. which generates enough electricity to supply a good K.W. rotary converter.

Billion K. W. Hours

The different gigantic plants of the Commonwealth in the world, which has the enormous station outlet to think that one Kilowatt-hour will keep twenty men at work all day. You can get some idea of the enormous current in tons of coal a year to generate its Power.

Table Value of Course

The world is also the radio broadcasting center of the world in Chicago, as in any other city. One station and see just how they are constructed and which of all types is the best in visits to some of the different plants which manufacture automotive H. P. to the gigantic ones running into hundred. Co., Russell Electric Co., Benjamin Electric Manufacturing electrical products for the home, such as lighting plants, heaters, etc. These places are especially charmed by their own some day as there are million right hand picture. These are specially charmed by their own some day and take the boys on in a trip to Waukegan and Milwaukee.

Best in Electricity

Exide Battery company and see the building of Exide Battery company and see the building of that isn't made by at least one firm in Chicago. Through the various plants which manufacture automotive H. P. to the gigantic ones running into hundred. Co., Russell Electric Co., Benjamin Electric Manufacturing electrical products for the home, such as lighting plants, heaters, etc. These places are especially charmed by their own some day and take the boys on in a trip to Waukegan and Milwaukee.

at Coyne, located in Chicago, the world's greatest that can not be had anywhere else on earth.
Switchboard Operation and Instrument Practice

Measuring, indicating and recording instruments are an important branch of alternating current work, and to be successful in this work you must have a thorough knowledge of the different types used. Testing and repairing of these instruments is really a profession in itself.

The power plant switchboard shown in this illustration contains A. C. Voltmeters, Ammeters, Frequency Meters, Watt Hour Meters and Power Factor Indicators, as well as Control Switches, Circuit Breaker, etc., that are used to operate the various machines throughout this room.

You Learn Exactly How It is Done

Each of the indicating instruments shown is also connected to one or more of these machines. The student is required to do dozens of jobs of tracing out and connecting up the circuits from these control switches and instruments to the generators or converters that they operate.

The man who can go in the field and install such machines and see that they are properly connected and tested and put in shape for operation is the man that is in demand. Coyne training prepares you for this work because your jobs here in school are just like they will be later when you go to work.

You Master All Types of A. C. Motors and Generators

This illustration shows the size of some of the motors and generators used to give the student actual job practice along this line. This is job number 12, and these students are learning to make tests of this 50-horsepower, 35-K. W. motor generator set for efficiency, power factor and temperature increase under different loads, and a study of brush and commutator construction and care on the D. C. end of this machine. In this same line of work the student gets experience in connecting, operating and testing all kinds of A. C. shop and power motors, using a number of different types of induction and repulsion motors, both for single and three-phase operation. This work also gives a knowledge of stator and rotor connections.

The man who has a thorough knowledge of motor installation, maintenance and inspection is qualified to handle a very interesting and well-paid position. This work often leads to higher executive positions, such as maintenance superintendent, when he has a thorough general knowledge of electricity such as he obtains at Coyne. We have many graduates who are now holding these positions.

We Generate Enough Power for a Small Town

With this elaborate supply of generators and machines, the student can get the same experience that he would in a power plant. This collection of equipment represents a tremendous investment, and I am continually adding new equipment as it comes out to keep right up to date with electrical progress. This is merely another example of my effort to make the students' training practical and intensive. We generate enough power in our A. C. room to supply a small town.

I am Continually Adding New Equipment

The illustrations on the top of page 31 show students at work on telephone alternators and power motor generator sets and practice on high frequency generators used for radio transmitting. The pictures are intended to give you an idea of some of the things covered, but lack of space forbids me to show but a part of the apparatus used in our school. Of course, I am adding to this equipment from time to time in order to keep abreast of the changes in the industry.
A. C. Is a Tremendous Field for the Coyne Trained Expert

EVERY forward step you take emphasizes the great possibilities in the electrical field for A. C. experts. From the small towns with a central producing plant and the gigantic plants of the big cities, to the great hydraulic developments of the West, there are big opportunities for any one who is an electrical EXPERT. This energy must be transmitted long distances and the method in which we cover this important subject of electrical transmission is explained on later pages.

The large illustration below shows a number of compensators, reactance boxes and heavy switches used in connection with the A. C. machines in this room, also a light and power distribution panel with fuses, cut-out switches and meters. The students get actual job practice in connecting, testing and operating enough different types of these devices so that they will be able to master anything in this line when they get into the field.
New Types of Synchronous Motors

COYNE is quick to install new electrical machinery, the modern Fynn-Weichsel motor you see at the right being only one small example. It is one of electricity's very recent developments—and very few electricians know of its great advantage or its operating principles.

However, the policy of Coyne is to keep fully abreast of the times, always, in order that Coyne trained experts may be the finest, best-paid group of electrical workers in the world, and so we ordered this motor as soon as the first ones were on the market.

It May Revolutionize the Industry

The unusual and little known characteristics of this motor, which is known as the Fynn-Weichsel motor, may quickly cause startling changes in electrical work. As a power unit and power factor corrector with an exceptionally good starting and running torque, it is quite probable that motors of this type will very soon replace thousands of the older type, in all sizes, wherever electric motor power is used.

The Coyne Trained Expert Has This Advantage

If the older type motors are replaced by the Fynn-Weichsel, it will mean "hard luck" for most ordinary electricians—for they will not be familiar with the newer kind and will, no doubt, have considerable difficulty in handling it. Coyne men, however, can turn these conditions to good advantage. When the ordinary man has to admit that he is "up against it" and does not know how to handle some problem in connection with a Fynn-Weichsel, the Coyne man will be able to step right up and prove that he is an expert by going right to the heart of the problem without hesitation and solving it in mighty short order.

A Spark That Jumps 30 Inches!

At the right you see an actual photograph of the gigantic Tesla Coil here in the "Great Shops of Coyne." This is a high voltage, high frequency transformer and was built right here at Coyne, by Coyne students—which, in itself, is a fine example of the kind of practical work you will get when you come.

A voltage of about 500,000 volts is developed by this remarkable device—and yet, its 24 to 30 inch spark is entirely harmless because of the extremely high frequency and low current capacity.

When Steinmets startled the world about a few years ago by "making lightning" in the Schenectady plant of the General Electric Company, he used some of the principles upon which this transformer operates. You will be greatly interested in seeing and operating this device yourself when you come to Coyne.

Tesla Coil Gives Practical Training to Coyne Students

Insulation is subjected to rigorous tests by means of this high voltage, high frequency transformer. You learn to make these tests yourself and how to determine the efficiency of various kinds and amounts of insulation under nearly every conceivable condition.

You also learn the principles of high frequency transformers, condensers, radio, etc.

In fact, every one of the many uses to which this Tesla coil is put, here at Coyne, is practical and means real money to you after you graduate.
When motor

EXPERT.

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C.

Build

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up.  First, they

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core

of

special

magnetic

iron;

then

insulate

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and

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coils

for

various

ratios

and

voltages

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volts.

Nothing

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imagination

at

Coyne—

you

do

the

actual

work.

You Build and Repair Transformers and A. C. Motors

The picture also shows some of my students taking apart

and re-assembling A. C. motors of various types—

including

series,

universal,

single

phase,

variable

speed

and

centrifugal

switch

types—
to

get

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clear

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what

each

part

does

when

the

motor

is

in

operation.

Such

supremely

practical

work

shows

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a

positively

unforgettable

manner

every
detail

of

the

construction

of

such

motors,

teaches

you

more

about

their

operation

and

maintenance

than

you

could

learn

in

a

lifetime

of

reading

about

motors,

and

enables

you

to

locate

and

repair

troubles

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a

way

that

will

quickly

win

for

you

recognition

as

a

genuine

practical

EXPERT.

When You Finish You KNOW Electricity as it SHOULD be Known

As my students build these transformers and reassemble

the motors, the instructor explains the entire

principle

of

construction

and

operation.

When

the

job

is

finished

he

shows

you

how

to

test

what

you

have

done

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that—when

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finish

my

course—you

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be

able

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up,

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transformer

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motor

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again,

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the

shortest

possible
time.

Such

training

explains

why

COYNE

men

make

good

on

the

job.

Even the Pictures Do “Actual Work”—At COYNE

Everything here at Coyne is so practical that even

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better

understanding

of

electricity

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practical!  It’s

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you!

And

so

I

have

moving

pictures.  The

illustration

below

shows

a

group

of

my

students

listening

to

a

practical

talk

on

the

principles

of

A. C.  The

points

brought

out

by

the

instructor

are

emphasized

and

made

clearer

by

the

use

of

a

motion

picture

machine

and

special

productions.  Here at

Coyne

I

spare

nothing

to

make

my

course

better

and

to

make

you

an

electrical

expert

capable

of

earning

a

big

salary.
Great Demand for Trained Experts in A. C.

ALTERNATING current work is more interesting than play. These jobs are duplications of the actual work which you will come in contact with, when you leave our school to take a position. The same jobs you will have to wrestle with on the outside are reproduced right here in my school; not for you to look at, but to actually do. You do them with your own hands; that's why Coyne students make good. Many of our graduates have told us after they have gone out and taken a job. "Why my work isn't much different from the Coyne school; it's just like transferring to another job because the work I did in Coyne was just like the work I'm doing on my job."

The opportunities for advancement are probably greater in A. C. work than any other, but in this work you must also have a thorough understanding of the other branches of electricity. That is why we train you thoroughly in every branch. No man ever made a success of electricity by trying to learn just one or two branches. To be successful you must be a well-rounded electrical expert thoroughly familiar with all branches in the electrical field. The demand for trained men in power work is unlimited. As you look over the branches of work in this department you will realize that each section is a business in itself, requiring an executive at the head and many assistants, but you can easily see how helpless the man is who knows but one part.

When you finish your training at Coyne you will be ready for one of these big jobs and can look ahead to a future of pleasant work and independence.
AUTOMOTIVE ELECTRICAL COURSE

Coyne SPECIALIZES on ELECTRICITY!
It's the Only Logical Place to Learn Automotive Electricity

One of the latest and most important branches of electricity and one that offers great opportunities for the trained expert is Automotive Electricity—electricity as applied to the gasoline engine. This includes Automotive, Truck and Tractor Electricity as well as farm lighting plants. The tremendous development in this field has all been in the last few years. For several years after automobiles became a reality, the makers used a simple coil, spark plugs and dry cell batteries for their ignition system. Then came the development of the magneto, with many types of self-starting and lighting systems, until today the automobile has a complete electric power plant of its own.

Thousands of Electrical Experts Needed!

Through this development there has come a tremendous field for the automotive electrical expert. Probably no other branch of the entire electrical field suffers so much for the lack of trained men. All of the tens of thousands of repair shops require EXPERTS in this work. They command big pay and are hard to find, because in order to handle this work properly they must be trained in electricity from the ground up, just the same as any other branch of electricity. Proper training of this kind can only be had in an electrical school such as Coyne, where you are trained in electricity first and then apply it to the auto, truck and tractor.

The Principles of the Gas Engine Are Fully Covered

You'll see some real equipment here, too. We take pride in our automotive department and it has cost us a lot of money to keep the equipment up to date. You are trained on practically every electrical device in standard use as well as the wiring system of pleasure cars, trucks, tractors, motorcycles and farm lighting plants.

Your training in this department is not entirely electrical, for all mechanical work on the engine that is closely allied to the electrical systems is given and you will have many jobs on firing orders, carburetor work, etc. This is given so you will thoroughly understand how the electrical systems function with the rest of the engine.

In addition, you learn the location of the various parts of the electrical system, such as the battery, generator, starting motor, magneto, distributor and spark plugs. You are taught to trace quickly the wiring systems for each. Without a stripped chassis like this, it would be difficult for us to give you practical instruction in the principles of the electrical system. Now you are ready for bench work on the various units.
Your Jobs Here Are Similar to Those You'll Do Outside

Don't you see those benches in the picture above? Well, that's where you start your testing and repair jobs. The jobs on the bench cover all electrical equipment in automotive work. Here you tear down, build up and test motors, generators, coils, condensers, intensifiers, magnetos, and all other automotive electrical apparatus. This is a wonderful training because it teaches you to "spot" trouble and make a quick repair.

Your work on magnetos is very thorough. A magneto is like a small generator and produces electrical energy. You will find all standard types in this department such as the Apollo, Sims, Eiseman, Dixie, K. W., Lorrain, Teagle, Berling, Bemy, Bosch, etc.

You Have Learned Electricity—
Now Apply It to the Auto

The student makes very rapid progress in this department because he already knows electricity. He has already had circuit tracing, blueprint reading, D. C. work, armature winding and motor work. So when he gets into this department he knows what he is doing and simply applies his electrical knowledge to automotive equipment. This is a feature of my training that can be had nowhere else.

Both Young and Old Find Plenty of Interesting Work at Coyne

Graduate Ireland Secured Dealership of Well-Known Car, Wisconsin.

The fact that I was successful in becoming the new Hudson and Ruxton dealer in my home town can be attributed largely to the reason that I know the electrical end of the business as well as the mechanical, which I learned at the great Coyne School.

C. Ireland
Generator Testing Is Very Important Work

The development of starting and lighting systems in the last few years has increased the use of generators and starting motors. Your D. C. work will help here because you covered generators and motors thoroughly in the other departments. Automotive generators are very similar, but, of course, smaller. The illustration at the left shows a special apparatus for testing generators and locating their faults. Every student is required to make all these job tests and in addition, tear down generators and put them together again and make them operate properly. These particular jobs will come up many times out in the field, but it will be "duck soup" for you because you do the same work in our shops.

There is a series of systematic tests on generators, starting motors, magnetos, regulators and cutout relays; to be performed with this modern test bench at the left and it is charted to be used by the student for future reference.

If the Job isn't Done Right
They Will Have to Do It Over Again

Your Training Must be Complete

Electric energy is used to a great extent to drive electric pleasure cars and electric trucks. In order to give my students practical work, we have installed an electric car in this department so that they can do all the wiring from start to finish. You will enjoy these jobs in this work because they are different from anything you have done thus far.

Do you see the motors mounted on the blocks in the picture below? This is your next job. You will do all the wiring yourself, even to the lights and horn, and when you have finished, start and run the motors to prove to the instructor and to yourself that everything is O. K.

You wire up a motorcycle and many types of automobile engines. It's all practical and intensely interesting because you do the work with your own hands and remember it. If you should go in business for yourself, and hundreds of our graduates do, you will be able to handle any job that comes along to the complete satisfaction of your customers. You will be known as an expert and you will get more business than you can take care of.

Another View of the Automotive Department Showing Students Working on Automobile Motors, Aeroplane Motors, Motorcycles and Farm Lighting Plants
A new eight-in-line Packard, new Chevrolet four, a four-wheel-brake Paige and many other pieces of new equipment just added to this department do not show in picture.
FARM LIGHTING
PLANT TRAINING

Plenty of Work
on Ford Systems

HERE is a complete ignition system of a Ford, mounted on a bench. Because of the tremendous number of Fords in use, this job is very important. Every part is visible and the connections are arranged so that you can get at them easily. After studying the wiring system you will be required to wire up correctly and test each unit of the Ford electrical system.

There are additional jobs on the Ford system, such as charging the magnets in the magneto, also testing the magneto for "grounds" and testing the insulation of the Ford coil. This is a vibrations coil and we show you how to adjust the vibrators and keep them in repair.

By the time you leave Ford jobs you will know the ignition system of the Ford from A to Z. Lots of Coyne graduates are making good money specializing on this particular car.

Farm Lighting Plants

NOW you are ready for farm lighting plants. You will enjoy this branch of electrical work because it is comparatively a new one, although great strides and improvements have been made in the last few years. Electricity has come to the farm to stay, and while there are already hundreds of thousands of these small plants in use, it is only a matter of a few years before practically every farmer will have electricity in his home and enjoy the same electrical conveniences as city people. We have standard types of farm lighting plants in our shops and they are mounted on blocks and connected to an exhaust pipe so that the results are the same as an actual installation. You have several important jobs to do on these plants, such as wiring-up, testing, "trouble-shooting," repairing and the care of batteries.

Coyne Men Qualified to Do All Kinds
of Practical Electrical Work

With the increasing demand for these plants, there are excellent opportunities for dealers and salesmen—men who understand the operation and can sell and install them intelligently. Farm lighting plant salesmen make big money and you can qualify because you have had the practical training. This offers a field that many of my graduates enter. It pays big money to the Coyne trained expert, because to be able to install these plants properly, you must be a thoroughly trained man. That's why I insist that my students be qualified to do any branch of electrical work.

Borrowed Money to Get Coyne Training

I borrowed the money to attend the Coyne School at Chicago, and, like any boy, was a little worried over the investment until I was in school and then the situation was rapidly cleared for me. When a man is wise he knows how to do a thing, the job is easy and it only took six months' work after leaving school to get enough money together to start an electrical shop of my own.

My shop was not fully equipped, for I had just started the business and customers hesitated a little about shopping, but after others had failed on jobs, we were given the last chance—our golden opportunity. Business grew rapidly as satisfied customers spread the news to their friends, and today the shop is well stocked and well equipped. We are not limited to motors, generators and batteries alone, but can handle any electrical job, and all the time I have remained a faithful student of our fine training. There is satisfaction in having a broad knowledge of electrical appliances and never turning down a job. Many thought as foolish for starting against competition until the story was known.

Respectfully yours,

CECIL W. DORSETT.
Tractor Electricians
Are in Demand

ONE of the greatest developments of farm machinery is the tractor. A few years ago it was a novelty—now it is a reality. Coyne leaves nothing out of its training that you should have, so we give you plenty of practical ignition work on the tractor. This is very important training as the average mechanic knows little or nothing about tractor electricity.

The ignition system of the famous Liberty Aero-plane motor is one of your jobs in this department. The recent development of flying has opened up a big field for aeroplane electricians.

Coyne Trains You to Go in Business for Yourself

WITH more than 20,000,000 automobiles now in use, not including several million trucks, tractors and aeroplanes, it doesn't take much imagination to appreciate the opportunities for the Coyne-trained automotive electrical expert when you stop to consider that there isn't one mechanic in a hundred who knows anything about electricity. Nearly 80 per cent of all auto troubles are electrical and quickly repaired by the man with a thorough knowledge of electricity. Nobody wants to waste time with the "tinkers," but experts are always in demand and hard to find. So, here at Coyne we have concentrated on practical work. We have given you jobs to do on the same kind of equipment that you will come in contact with after you leave here.

Many of the graduates go in business for themselves, opening up electrical service stations. They are making big money and do not hesitate to credit their success to Coyne training. And you will be successful because we give you a practical foundation—a training that is not duplicated anywhere in the entire country.

Every automobile, truck and tractor contains a miniature power plant in itself and electricity is no different in this plant than it is in a large power plant. That is why we teach you electricity first. Then we apply the knowledge you gain in electricity to the automobile. Catch the idea? Simple, isn't it? Coyne specializes in electricity—that's why Coyne leads.

Now You Can Step on the Starter

PRACTICALLY every car now contains a complete power plant. There is first the generator that charges the storage battery, which furnishes current for the starting motor, lights and horn, and the magneto which operates in connection with the coils and spark plugs. We give you jobs on many separate and complete systems so that no matter what car you want to repair, the systems will be familiar. The units differ in construction and arrangement of wiring, but you master them all before leaving this department.

Your instructor might assign you to the Delco, for instance, and you would have to wire it up, run tests and see that everything was in proper working order. If any units are defective, you take them off the block and bring them over to the bench. Maybe the generator is not working right; in that case you would put it in the testing apparatus and locate the trouble, and then repair it. Every job you do is the same as actual repair work in an automotive service station. Men who can do this work are at a premium because so few have had the training necessary to do the work properly.

You Learn the Ignition Systems of Famous Aeroplane Motors from Start to Finish
A Few of the Great Army Proving

We Owe Our Success to the

Here's visible proof of what Coyne Graduates are doing out on the firing line, actual evidence of the success they are having in their own businesses or "on the job." Space does not permit reproducing more than these few of the hundreds of pictures our Graduates have sent us, thrilling, inspiring stories of success made by just plain, everyday fellows who, in a great many cases, did not have advanced education, and in the majority of cases had no previous electrical experience.

Coyne is built on the success of its Graduates!

No institution could possibly live and prosper for more than a quarter of a century, as Coyne has, if its graduates did not make good

1. T. C. Grantham, Testing finished Armature Winding, Texas.
2. R. E. Neal, Handling Switchboard Operation, Ohio.
3. E. Pitkin, Kansas, including Transformers and Oil Switches.
10. B. F. Lasky, Ohio, Operating a Mammoth Switchboard.
11. L. M. Ring, Michigan, Handling Work.
14. Carl Wettler, Ohio, View of Switchyard Department in the 10th Battalion.
17. Andrew Adams, Canada, General Electrical Work in Huge Paper Mill.
18. B. J. Allen, Canada, Winding Armature in Own Shop.
19. C. W. Gessert, Colorado, Making Main Sketch in office.
22. B. J. Reach, Wisconsin, View of the own Electrical Repair Shop.
the Success of Coyne Trained Men

Success of Our Graduates

and we realize that our future success the same as our past success, must be and will be built upon the success of the men who take our training.

The number of letters we get every year from graduates telling of their success and rise to independence, many of them so unbelievable, as a tribute to Coyne and its methods of training with a real inspiration to you and every other ambitious man, so let Coyne bring you for a successful career in this great field of electricity. Look closely at these pictures, then realize that these fellows were you just where you are today—at the cross roads. But they were men of action and after reading this book I want you to so decide and then set. Make up your mind that you too will be a Coyne Trained, Big Pay Electrical Expert.

24. Eugene W. Pullen, West Virginia Electrician of his own line in his charge.
25. John Amore, New Jersey View of his own Electrical Repair Shop.
27. F. A. Fishman, Pennsylvania Finished in a steam engine driven generating plant.
29. Clarence E. Lesman, Oklahoma First insulator.
31. G. W. Crissey, Iowa Horton view of electrical store owned by him. "Doles $12,000.00 business yearly."
33. F. J. Riebe, Pennsylvania Operator for big coal company.
35. C. A. Kaufmann, Wisconsin Electrician, white electrician.
36. S. Kasekowshi, Illinois At the control board and of the machines.
37. Robert Dahl, South Dakota First in the Western Graduates of Power Plant.
38. Joe W. Glenn, Illinois Real estate and automotive work. In charge of his own store. One of the finest and most successful in that section.
40. F. W. Cope, Wisconsin Oiler Luther. In engineering Department of Telephone Company.
Battery Work

LAST, but not least, comes Battery Work. This subject is really a part of automotive work and forms a fitting conclusion to your training. As you look back over the previous work you will see how you are carefully advanced, step by step, so that each subject leads logically into the next one. So that after battery work you can step out into the world a full-fledged ELECTRICAL EXPERT. Now let's get busy on batteries.

Right at the start, notice this unusual fact about batteries; that, although there is a tremendous number of them in use, nobody seems to know much about them! If you ever have had much experience around battery stations, electrical repair shops, etc., you know that, surprising though this statement is, it's absolutely true! And yet batteries are in constant use on twenty million autos, trucks and tractors, on millions of radio sets, with nearly all farm lighting plants, and in many other places. What's more, these batteries are mighty important parts of the equipment on which they are used. When an automobile won't start, when a radio set fails to work, and when a farming lighting plant gives trouble—the whole difficulty is apt to be in the battery.

So a thorough knowledge of batteries is absolutely vital to the COYLEY trained EXPERT. It will help him win a wonderful reputation as a "man who KNOWS" and will add many dollars to his income. That is why COYNE trains you so completely and thoroughly in battery work.

Millions of Dollars Spent on Batteries Every Year

The first step is naturally to become acquainted with the various parts of a storage battery. The instructor explains them, one by one, taking up the function of each as he goes along. You learn the "why" and "wherefore" of positive and negative plates, the mixing of acids, separators, specific gravity, and the electro-chemical reaction which takes place in the cell. These points are all covered in an interesting and understandable way with practical demonstrations. The student is also taught the construction and uses of various kinds of storage batteries, such as those used in automobiles, farm lighting plants, Pullman cars and telephone work. You are then given a series of jobs, testing for trouble in batteries and you are trained in the proper methods of caring for the battery and in keeping the solution right. The training in batteries equips a man with the necessary knowledge and skill for a very profitable electrical specialty. There are hundreds of millions of dollars' worth of batteries now in the field, every one of which, at regular intervals, demands the services of an expert.

The average auto mechanic is handicapped, for he generally knows absolutely nothing about the storage battery. That's why there is a big field for the Coyne trained EXPERT!

The most important job in battery work is lead burning. You will use this training every day in battery work when you get on the outside, not only for tearing down and overhauling old batteries but for building up new ones as well. Note the well equipped benches in the picture below. This is where you practice lead burning; every place at the bench has an individual torch. This saves time because you do not have to stop your work and wait to borrow another man's tools.

Your first job consists of tearing down defective batteries, burning off the lead straps, melting off the cover and, finally, breaking up the cells. You learn the right and wrong way to handle a torch and how to adjust the flame to get the required amount of heat. After the battery is "knocked down," the instructor shows you how to locate the trouble. Maybe it is in the plates or possibly it is the separators; at any rate, you will find the fault and commence to rebuild the battery.

You Learn to Rebuild Batteries Right

First, you wash off and press out the plates and assemble them in a rack. Your next step is to connect the cells. You do this with lead burning. Then place the separators between the plates and set them in the jar or container. Next, you fit the cover and melt on the sealing compound so that you have an air-tight job. Now comes more lead burning. Build up your terminals that are attached to the cells in order to get an electrical connection. Mold your straps, drill them and burn them on to the terminals. Mix your "electrolyte," pour it in and your battery is finished—all except charging.

A Corner of the Battery Department Showing Students Receiving Practical Training in Battery Building and Repairing
You Build a Battery Complete and Understand It

NOW take your battery over to the charging bench and put it on charge. Leave it there 10 or 12 hours and watch your meters until it has a full charge. Then you test it to see that it stands up. If we find that any of the work is incorrect, you are required to do it over until you can do it right. That is one thing I insist upon all through the course, that a man stay on each job until he masters it before going on to the next.

Now you accomplished something, didn’t you? You built a battery from the ground up and you understand it because you did all the work yourself—with your own hands. Of course, the instructor was right on the job to help you out whenever you got “stuck” and he explained every step of the process so that you understood it thoroughly.

Everything is Practical

This is the kind of practical work you get in batteries—just exactly like the jobs you will find on the outside. Our battery department is really an up-to-date battery service station. The only difference is that the students do the work. Defective batteries are brought in from all sources and my students repair them. This is where you get a world of “trouble shooting” experience. Also, you get practical work on farm lighting plant batteries, because this department looks after this type of battery which is used in the automotive room.

Many students build one or more batteries for their own personal use. All you will have to pay for is the bare cost of materials; thus you get a first-class battery for about one-half the regular price.

You Can Open a Battery Service Station

THERE is a world of money in the battery business for the Coyne trained expert who wants to specializing in this branch. With over twenty million autos, trucks, tractors, motorcycles, seaplanes, motorboats and farm lighting plants in use, you can appreciate the amount of battery work. Every one of these batteries requires rebuilding and charging at regular intervals or replacing with new ones. As in other fields, the EXPERT is the man who “knows” and who has had the practical experience to do efficient repair work in the man who gets the money.

Many Coyne Graduates in Business Make Big Money on the Side

Coyne graduates in business have added batteries as a side line and are making big money on them because of the number of batteries needing replacement or repair in every city and town, for automobiles, radio outfits, etc.; many have opened battery service stations all over the country. In addition to this there is a big field for battery experts in connection with farm lighting plants. Besides this, every railroad and telephone company uses a tremendous number of storage batteries in their various electrical systems.
Electrical Drafting, Plan Reading and Estimating

Drafting and plan reading and estimating are very essential to the electrical expert, and without this knowledge the man in the field is absolutely "up against it." There is hardly any branch of electricity where this training is not necessary. In construction and power work you will use this knowledge almost every day. Naturally, then, we give you this training thoroughly. Your instruction would not be complete without it.

You Don't Need Education

A common school education is all you need to acquire the necessary mathematics by our practical system. No student need let the mathematical part of electricity worry him when he gets his training at Coyne for we give him, in a practical way the mathematics that are necessary.

Post Graduate Course in Drafting—Included

You understand, the drafting, estimating and plan reading given is sufficient for anyone going out into practical electrical work, but any Coyne graduate who wishes to follow electrical drafting as a profession is privileged to do so after finishing the regular course or can return at any time and take up this Post-graduate Course without any additional charge. This is a very complete course dealing with advanced electrical drawings and projections. The student is given advanced work in A. C. and D. C. drawing, such as telephone layouts, metering station layouts, light and power layouts, etc. Many of our graduates who want to go into electrical drafting work take the Post-graduate Course. This is only one of the many extra help given Coyne men.

Nothing is left undone to make the Coyne man a success, and whenever we can devise any means to make his success greater we spare no expense in adding this to his course.

In this department you first learn how to read blueprint plans so that you can pick up any blueprint and read it like a book. The advantage of this is that it enables you to install equipment from the prints that manufacturers always furnish. Then you learn to make correct drawings of electrical parts, symbols, apparatus, installations and complete wiring plans for houses, stores, etc. And then you are taught how to estimate the cost of work. All this is absolutely necessary, for when you go to work for a firm or go into contracting for yourself, you will be far ahead of the man who can not draw his own plans and make a correct estimate on the work.

During your stay in this department you are under the personal supervision of an expert draftsman. The student is also given the necessary shop mathematics and a thorough training in the use of the slide rule. Note the large slide rule in the picture at the left that we use for this instruction. No one need be afraid of the mathematics given, for they are taught in such a practical way and all applied to such interesting problems that you will have no trouble mastering them regardless of your previous education.

A Corner of the Drafting Department
WHENEVER anything new is brought out in the great field of electricity you can be sure Coyne will have it. As soon as Radio arrived, Coyne was the first to teach it, and today the training you will receive in this work is very thorough indeed.

You are taught the names and uses of all the various parts of both sending and receiving apparatus. When you know the parts thoroughly, you learn how to build, install and operate all kinds of sets from the simplest crystal set to the most complex regenerative radio and audio frequency amplifying sets. Then you are given instruction in antenna construction, loops, grounds and counterpoise. Also, a thorough study of the operation of tubes, crystals, transformers, condensers, variometers and all kinds of tuning devices.

**Students Make Extra Money Building Sets**

Last of all, you cover diagram reading, symbols, panel and apparatus layout, radio telephone transmitting and broadcasting equipment. A great many of the students make their own sets right here at school. This they can do at very small expense. The necessary parts can be obtained at practically cost through the school if the student desires, and the entire set built and assembled with the help and under the direction of a radio expert. Some of the students have built sets in this manner that are capable of receiving broadcast within a range of 1,500 to 2,500 miles, and some very efficient portable sets that can be carried complete and set up anywhere indoors or out. Some students make sets to sell while attending school and in this way make a good part of their expenses.

**Big Opportunities for Coyne Trained Radio Experts**

Students are also given instructions on circuits and systems used in broadcasting stations, and have an opportunity to visit some of the greatest broadcasting stations in the country, Chicago, etc.

**Merchandising and Selling Radio is Included in this Course**

But we teach you how to shoot troubles with definite tests and to service and repair receiving sets.

And this is one of the best opportunities in radio today, with the millions of sets to be adjusted and cared for.

And we also train you in radio merchandising, or how to sell sets, and as a result many of our graduates are going into the radio business and making BIG money.
Now Read This Message from One of My Graduates

Mr. H. C. Lewis,
Pres., Coyne Electrical School,
Chicago.

My dear President Lewis:

Now that I am a graduate of your school and am a successful electrical expert, earning fully twice as much as I ever expected to earn in my life, I want to tell you what a thrill I had at Coyne, how happy and easy my course was, how devoid of drudgery and outside of school.

You certainly have planned everything to perfection. I followed your advice and had a taxi when I got off the train. When I entered I was met by one of the friendliest men I ever saw. He smiled at me and gave me a real handshake and said that in a few minutes I would have an opportunity of talking with the manager of the Student Service department.

Mr. Lewis, I want to tell you that your wonderful personality and your insistence upon friendliness and cordiality was evident in every part of your school. As the one of his assistants to a nice clean house, within a five-minute walk of the school, I met with kind people who had already been received with more warmth than I was. I felt as if I must be a real man who had already made his mark in the world, some well-known personage.

Mr. Freton told me everything I needed to know in 5 minutes. Then he sent me with one of the one assistants to a nice clean house, within a five-minute walk of the school. At the door we were met by a woman who I knew to be one of the fine, wholesome, big-hearted kind who know how to be motherly to young men. She showed me to a room where I found a clean comfortable bed, good furniture, electric light, just across the hall from the bath which I found packed for $3.00 a week. Here I met several other students who were real fellows, and all during my course, we were chums and found that we could be a big help to each other in our work.

I unpacked my grip, got everything arranged and went back to the school where I was directed to a restaurant. It was lunch time and although the place was well filled the proprietor greeted me with friendliness and cordiality when I told him who I was.

"Friendliness everywhere," I thought. No wonder Mr. Lewis, that you have such a splendid school.

After lunch, I came back again to see Mr. Freton as I wanted to get some part-time work. He immediately sent me to your employment department where I bade goodbye to Mr. Darlington in my situation. He took everything down in a business-like way and said he would call me in a few days. Just three days later he sent for me, and the next evening I was working and making enough to pay my expenses.

The next morning I went to work in the Beginners' department. Your catalog gave me a clear idea of what practical education meant, but it did not tell me the full story. One day I realized that it was so easy to learn by doing the work yourself. The principles were explained to me. Then those principles were demonstrated. Principles of electricity were explained to me. Then those principles were demonstrated. What a great school this is.

I could hardly wait for the next morning.

I can tell you that from the day I started until 12 weeks later when I finished your course, you were one of the pleasant attendances of wonderful experiences. A real career with you was one pleasant succession of wonderful experiences. A real career with you was one of the pleasant attendances of wonderful experiences. A real career with you was one of the pleasant attendances of wonderful experiences.

Then when you told me that my work was done, that I was actually capable of holding down a job, while I was filled with joy, I hated to leave Old Coyne.

I have tried to analyze what the one feature of your school is which students put before all others, but I find it hard to do so. Everything runs so smoothly, so cheerfully and so well, I find it hard to do so. Everything runs so smoothly, so cheerfully and so well, I find it hard to do so. Everything runs so smoothly, so cheerfully and so well.

I am sure that if I ever need advice, I will always cherish as my most pleasant days.

I hope that you will be as happy as I was at Coyne, leaves an impression on me that I will always cherish as my most pleasant days.

I am sure that I will be as happy as I was at Coyne, leaves an impression on me that I will always cherish as my most pleasant days.

Wishing you the success in your new building that you so richly deserve, I am

Very sincerely,

[Signature]
A Brief Outline of 12 Happy Weeks in My Great Shops

Elementary Department Jobs

Your first day at work. You report to your elementary depart-
ment with windows all around. You are wired across the
room through very many wires, carrying signals to all
kinds of other small equipment.

You see that there is a current of electricity running
through your branch of the shop. You then observe that
the wires you are wired through perform certain
functions. You notice that when you are wired to any
type of switchboard, you are wired to other wires in
electric circuits that are part of the shop's electrical
system.

Circuit Department Jobs

You now step into the real applications in a practical
way of the principles you have learned, through a
Circuit Department test. You are charged with
seventy-two (72) separate jobs on circuit tracing and
wiring—wire and cable, conduit and other materials
(24) more on circuit testing and testing troubles.
All the different kinds of electrical materials, instru-
ments, etc.,

You hook up, test, and trace through all of
the different kinds of circuits and devices. You
know that you can go on with your other work. You
punch your card as you complete each job, and
find out how some of the circuits and devices
that you have worked on may be used in future
trouble shooting and maintenance jobs.

Armature Department Jobs

A good armature is a very important detail in electrical
machinery. The armature is, for all practical purposes,
waiting for you to work on it.

You have learned the principles and laws of electricity. But your instructor doesn't give you any
class problems to work on. He tells you to wire and
wire, and to learn the electrical circuits that are
made up of different kinds of materials and devices.
You are then told that you may begin working on
another type of device, the armature, and you are
given the type of armature that you will be working
with. You are then told that you must learn how to
wire and wire, and that you must learn the electrical
laws that govern the armature.

Is This Brief Outline Fair to Me?

On this page I've endeavored to give you a glimpse of the progress
you will make from department to department, but I have not tried to
give you a complete picture of what you will be learning. The
subject of electricity is very large and you will have comparatively
little interest or meaning to you at this time.

The main point is that here at Coyne you don't skip anything, nothing
is overlooked. You are taught everything you will ever need in the
future, and you will be taught it in such a manner that you will be able
to do future work on your own, without any help from others.

You can read this book through in an hour or two. You can read
what is in this page in probably ten or fifteen minutes. Naturally I
could not 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 vast greater things you can look forward to upon
your arrival.

Coyne Training Is Complete in Every Detail

I could easily string this page out. But I'm going to let a letter
I received from Mr. W. H. Boyden, who is Chief Electrician in all
the schools of one of the largest cities in Indiana, take the floor and
tell you his experience and knowledge of Coyne.

Mr. Boyden, writes in:

"I have been through your school and believe there is none equal to
it in the world. I have been impressed with the thoroughness of
the method of learning the Electrical trade, and I have always recom-

DRAFTING DEPARTMENT

The Electrical Engineer is the man who can be given a job
involving circuit design, whether it be a motor or other device. As
such, he can be given a job that is not only a circuit designer, but
also a circuit troubleshooter or service engineer. He can be
given a job that is not only a circuit designer, but also a circuit
troubleshooter or service engineer. He can be given a job that
involves only circuit design, or he can be given a job that
involves circuit design, installation, and operation.

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involves only circuit design, or he can be given a job that
involves circuit design, installation, and operation.
There Are Many Different Branches of Electrical Work

Coyne Trained Men Can Specialize Successfully

From my students' point of view, one of the most important branches of Electricity right now is the fast-growing branch that covers the transmission of power. Why? Because as perfection develops in power transmission, the use of Electricity is bound to double and treble in very short time.

Great lines forming connections of super-power systems are being built all over the country. Improvements in transmission will hasten this work and will also permit cheap power being carried by wire from the mountain waterfalls right to the fire-sides of the people as is now being done in some localities in the West, where already the houses are built without chimneys and all the cooking, lighting, heating, refrigerating, etc., are done by Electricity.

Of course, power transmission means cheaper power. And, in turn, this means extensive use of Electricity in homes all over the country, as well as in factories, mines, railroads, etc., which are mentioned above. This tremendous jump in the domestic use of Electricity opens up a marvelous field for the Coyne trained Master Electrical Expert!

Specialization

Within the Electrical Profession itself, there will spring up off-shoots and special departments. We will have all kinds of Electrical Specializations. You may decide to devote all your time to just one of these special lines.

Millions of dollars are spent annually in the purchase of Radio Equipment alone, one of the recent developments in Electricity, and the Radio field is only started. The branch is a rich one for the Coyne Trained Expert—both in financial returns and opportunity for varied, interesting work. And yet, this is only one branch of the wonderful field of Electricity!

Contractor-Dealer—Maintenance Engineer

Many of my graduates enter business for themselves as contractors and dealers, and this field offers a big opportunity for the Coyne Trained Expert. There are thousands of old homes to be wired, to say nothing of the new buildings and homes which require trained men to do the work. Then they have the sales from their store of Electrical appliances and the repair of small and large motors. This field offers an opportunity for Coyne-trained men to make from $5,000 to $15,000 a year.

Think of the tremendous opportunities as a maintenance Engineer in the big Power Houses and the large industrial institutions, many of which have their own generating plant and need competent trained men as well as in this territory to keep in a running condition. This branch of work offers a big future to the Coyne Trained Expert.

This Spells Your Success in Any One of a Dozen Lines!

Naturally, this tremendous rush to Electricity on the part of the whole world means hundreds of thousands of opportunities to men who are completely trained to profit by them. As electric stoves come into general favor, for example, men are needed to:

1. Maintain the power equipment in the factories in which they are built, as well as all the ordinary factories, too, which are expanding their Electrical equipment.
2. Design and build new power plants.
3. Work on new models and test them.
4. Build the stoves.
5. Sell them.

You Have Many Opportunities For Quick and Big SUCCESS—If You Are a COYNE Trained MASTER ELECTRICAL EXPERT

Contractor-Dealer

Power Plant and Sub-Station Operator

Maintenance Engineer

Switchboard Operator

Armature Expert

Power Plant Engineer

Radio Expert

Sales Engineer

Signal Engineer

Electrical Draftsman

Auto, Truck and Tractor Electrician

Battery Expert

Farm Lighting Plant Expert

Electrical Sign Engineer

Service Station Owner

But You Must Be Trained COMPLETELY in All Branches in Order to Make Good!

Remember, the above list of specialized branches is only a partial list. A complete list would more than fill this page! And then notice that, small as the list is, it nevertheless shows the tremendous opportunities in Electrical work absolutely requires a knowledge of every other branch. Therefore, in order to succeed, you must be COMPLETELY trained—no Coyne trainee.

Warning!

But don't think that you can "get by" in any of the specialized branches of Electricity mentioned on this page, unless you are at least completely trained in all branches. It is better to know this now than to waste a lot of your valuable time and money in finding it out later, and so I am giving you fair warning.

Your Training Must Be COMPLETE—No Matter WHERE You Get It!

Yes, sir! How could even the Dealer-Contractor properly service so simple a thing as an Electricity suction cleaner, if he did not understand the machinery that is used in its motor? How could the Superintendent of a mammoth Electric Power Plant hold his position if he did not understand the apparatus which are among the very first things you learn here at Coyne?

And so it goes throughout the entire Industry. Every branch overlaps every other branch and has something to do with it. To make good in even one branch, you must know all branches—which is why Coyne gives only ONE big Complete training, the MOST COMPLETE and THOROUGH that money can buy, instead of teaching all training men by means of small, incomplete, so-called "branch courses."

As an ELECTRICAL EXPERT—the kind you MUST have! And It Must Be PRACTICAL!

That's another important qualification besides completeness. And so I say to you, no matter where you get your training, be sure that it is PRACTICAL and COMPLETE.

The great Electrical Profession today has no use for day-dreaming theorists or mere "paper electricians." It wants EXPERTS, Completely Trained Practical Experts—who know what they are doing. And who KNOW that they know it, because of how deep and same work before you do here at Coyne.

You know, a piece of machinery looks a whole lot different in a shop or power plant than pictures of it looks in a book. That's why we don't just look by books at Coyne. You work on actual equipment, as you noticed in the photographe throughout this book. Therefore, when you get on the job, you are SURE of your job! Things that you will be called upon to do you have already done at Coyne—and a skilled instructor, a practical man himself, has watched you do it, so that you know you did it right. With such training to prepare you, you'll go to that lucky job you may tackle, that you are a genuine practical EXPERT, fully entitled to an EXPERT's pay!

Get Your Training at Coyne—Then You KNOW It's Right

There's no better way to make sure! Come to Coyne—The only School that is endorsed by Electrical Industry. This endorsement proves what the Big Electrical Companies think of my instruction. The success of my graduates is additional proof of what they can do for you. The COYNE reputation, built through years of honest, sincere dealing with ambitious men who have won big salaries, important positions, or priceless honors of their own because of Coyne Training, is such that you will be set with good judgment when you come here.

And why, therefore, my friend, do not hesitate. Big money and numerous opportunities are waiting for you. Coyne has proved that it can place them within your reach, with only 12 weeks' training! So make up your mind promptly—because the sooner you get here, the sooner you can qualify as a big Electrical Expert, able to earn $2,500 to $10,000 a year!
I Urge You to Investigate My School!

I NOT only cordially invite you to investigate my school but I urge you to, because only in this way can you punctuate the high-sounding claims and fancy words used by so many schools and learn the actual naked facts. Back in the nineties when Electricity was growing its first real muscles, the great school of Coyne was founded. Ask any of the “old timers” if there were any “learn by doing” electrical schools in those days except Coyne.

So, as your first acid test of reliability, apply the age test. But age, fine in itself, isn’t everything. Many old concerns go out of business from dry rot, lack of new ideas, lack of leadership and progressiveness. So, apply that as acid test number two, the growth and size of a school.

The Largest Bank West of New York Knows Me

The great Continental and Commercial National Bank of Chicago knows me. The School Sections of any of the large Chicago newspapers, a few of which are The Chicago Tribune, Chicago Daily News, Chicago Herald-Examiner or the Chicago American, know all about the great work Coyne is doing.

This also applies with the Illinois Chamber of Commerce or the Chicago Association of Commerce. Or the Electric Club of Chicago or the West Town Chamber of Commerce, Chicago, and hosts of other organizations.

Then let your good judgment decide. Don’t, my friend, take chances with the most precious thing in your life, your investment in your future.

Apply the acid tests.

And, in one of it all, keep in mind, “Founded in 1899”

I Owe My School’s Success to My Students and Graduates

Note the letter from Mr. McClellan on page 8 of this book. Read the few other letters I have been able to find space for. These letters, for lack of space, must represent thousands of other letters that I have received.

A short time ago a student enrolled from Hammond, Indiana, and in talking with him he said he enrolled due to the fact that his “chief” was a Coyne Graduate and had recommended Coyne to him. This Coyne Graduate was General Foreman of the car wiring department of one of the largest builders of railroad coaches in the country.

I am deeply proud of the fact that nearly half of my students come to me on the recommendation of my other students and graduates. It seems to me this is the greatest testimonial any school could possibly have.

Apply the Acid Tests of Age and Size

Keep in mind, my friend, what I have said elsewhere on this page, that Coyne is 28 years old, and stands today a PIONEER and ORIGINATOR and PACE SETTER. Ask anybody who knows whether there were any schools like Coyne back in the nineties! He’ll tell you that, except Coyne, there wasn’t one—not ONE!

But, old as Coyne is, Coyne retains her youthful vigor and progressive-ness, keeping so far ahead of her field of illuminators and teachers that there is no comparison whatsoever.

You have only one training to give yourself, look for the best money and experience you can give. Don’t take a chance with your future, the most precious thing in your life.
My Employment Man Knows His Business

My Employment Manager is not one of those Professional Employment Managers who gets firms disgruntled by sending them anybody he can lay his hands on.

My Employment Manager is a trained Electrical man. He knows Electricity from top to bottom. When a firm wants a power house man he knows where to find him. He chooses a candidate who prefers construction work. He won't send an expert radio man out to fill a job wiring houses or doing substation work. No. He knows just how to pick out the right man for the right job.

That is the kind of service and attention you will get. You won't be asked to go to work a mile from the one you like best.

That, in short, is why my Employment Department has been so successful. Employers have learned that they employ men who are carefully selected. My Employment Manager knows how to talk their language and fill the jobs they have open as good or better than they themselves could.

A Few of the Score of Branches You Can Enter

Here is a partial list of the kind of trained men called for right along:

- Power Plant Operators
- Substation Operators
- Power Plant Trouble Shooters
- Substation Trouble Shooters
- Power Plant Construction Work
- Substation Construction Work
- Field Construction Men.
- "Gun" (wires) Hands.
- House Wiring Experts.
- Expert Armature Winders.
- Motor and Generator Men.
- Car Wiring Experts.
- Railroad Signal Work.
- Maintenance Men for Hotels.
- Maintenance Men for Office Buildings.
- Maintenance Men for Factories.
- Maintenance Men for Mines.
- Electrical Draftsmen.
- Radio Broadcasting Operators.
- Radio Installation Experts.
- Power Plant Engineers.
- Electrical Foremen.
- Men in charge of divisions of branches and scores of other openings too numerous to mention.

My Employment Department Has the Jobs You Want in the Branch You Want

When you graduate from my school you do not have to ask for employment help. No! That's not my way of doing things. Every student receives instant help on or before the time he receives his diploma.

Why has my Employment Department been so successful? Why have I been able to go right along, week in and week out, year after year, helping my boys land good work without once making a "promise" or so-called "guarantees" of jobs to anyone? I am asked that question every day.

The main reason for this success, of course, is the fact that I have the sincere determination to "see you through." My Employment Manager knows that; he knows he's on my payroll to carry that policy out, and that he is successful in doing it by the fact that he actually places hundreds of fellows in jobs every year.

Many Students Earn While Learning

Some of my students are obliged to earn their expenses while training and wherever this is necessary, my employment department is always glad to give every assistance in finding this work. Please understand, however, that I do not guarantee anyone a job of this kind, for very few of these jobs require any skill and are only provided to help a student thru this course. At times we can't supply enough men to fill the part-time jobs we have open, still on the other hand at certain times, they are not so plentiful. You can rest assured we will make every effort to get you such a job, but if it is absolutely necessary for you to have this work before coming, write me a letter and explain your situation and I can then give you more accurate information at that time.

There is another point I want to make clear on this work. Sometimes a fellow comes here expecting an electrical job 2 or 3 hours a day to help him thru the course.

It isn't easy to get these jobs, because most of the part time jobs are unskilled jobs and are only provided to help a student earn his way thru school. So just remember that it's not so important on a job of this kind, just what kind of work you do if it helps you accomplish your purpose—namely to help you thru your training.

Shortage So Great Some Firms Send Their Employees to Me for Training

Every once in a while I receive letters from big firms asking terms of tuition and other information about my courses.

Many of my students have come here on special Leaves of Absence granted them by their employers as they could get no work to do. Other firms not only grant Leaves of Absence but help pay the cost of the training for the employees as well. This certainly shows the kind and quality of the employment demand for the TRAINED Electrical Expert.
A Common Sense Talk on Employment

Read Every Word of This Message

OF COURSE, you as a prospective student of Coyne are vitally interested in the question, CAN I GET A JOB WHEN I GRADUATE?

You are entitled to an answer on this question and in answering it I am going to be frank and honest.

Many fellows write me and say, such and such a school has guaranteed me a job—will you do the same?

A guarantee to me, means just what it says. If I guarantee you that I’ll do a thing it means that to be honest, I must absolutely do this thing and no reason or cause in the world can prevent it.

Now stop a minute and think—How many things in this world can you guarantee?

If a merchant sold you some seed, would he absolutely guarantee you it would grow? No, that would depend upon how you cultivated the ground and the attention you gave the growing of these seeds. If you were going to Yale, Harvard or Princeton University, would they guarantee you a position, or if you were going to study to become a Doctor, would they guarantee you so many patients a year? Of course, they wouldn’t.

They have no way of telling how a student will apply himself while in school or of judging many other things that might have a bearing on the matter.

Did you ever hear of any old time educational institution that was interested in giving real training above the money they might make ever guaranteeing a student a position before he has even started or completed his training? Of course you haven’t.

What I Say I’ll Do You Can Bank On

Many years ago, when I first entered this business, I realized one thing.

If the institution I headed grew and became successful it must be done through my graduates. To succeed I must have the good will of those who take my course.

The Coyne School has grown by leaps and bounds. Only a small part of this growth is accounted for by advertising. The success of any business can be helped by truthful advertising, but after all, if this institution does not gain and hold the good will of the people it does business with, the advertising will soon lose its power.

Such concerns as Sears-Roebuck; Montgomery Ward’s; Ford Motor Company and many others prove this statement is true.

I’m sure if you give this a little thought, you will agree with me.

Then the question comes up,—How could I hold the good will of my graduates if after graduating they were unable to obtain a job?

It wouldn’t take much reasoning here to see that if a fellow took my course and then didn’t get a job, that very few of them would remain my friends.

That is one of the reasons that I have always believed while the training I gave a fellow was important and it must be of the best, still after he got that training I still owed him a lot more before I could say my job was complete.

My Guarantee Means a Guarantee

There is only one kind of guarantees I or the head of any other similar institution can make and this one I will live up to. I guarantee to give every student, if he is sincere and will do his part, a training that will make him a success after he has completed my training.

I will guarantee to give him every assistance possible in procuring the kind of work he wants after he has graduated.

I could say to you that I’d guarantee you a job, just to get you to enroll, then after you graduated, I could find some loop-hole that I could crawl out of it. But, my friend, if I have to do this to get anyone to enroll, then I’ll close my school and never ask another student to enroll.

My father taught me many years ago, that there was only one way to be successful and that was to tell the truth and not to hedge one inch, even if I could legally make a statement and get away with it. He always impressed on me that a statement must be morally true as well as legally true if I expected to prosper.

If by telling the truth I lose a student occasionally, I won’t worry because I know in the end I’m right and in the long run I’ll receive more students and I’ll have their friendship and confidence.

So that’s just why I’ll not make anyone a guarantee to get them a job.

I Maintain a High Grade Employment Service

That is why I maintain an employment department, not merely in name, but an actual honest to goodness employment department and run as a separate department in charge of competent, honest men. This department is maintained for students and graduates only. It has contact with the Electrical concerns all over the country and has only one object. To see that every student and graduate of Coyne gets real helpful employment service.

When you graduate this employment department is going to take you in hand and is going to do everything in its power to see that you are satisfactorily placed. First, because it owes you that service as part of our obligation to you; secondly, because we want your good will and we know the only way we can hold you as a friend after you leave old Coyne is to make you happy. That is the only kind of a guarantee I can give anyone and be honest.

When you graduate from Coyne you will be given every assistance in finding the kind of job you want.

I am sure that you, as a fair minded fellow, can see my point. It’s just as important to me that you be satisfied after you leave my school, as it is while you are here.

If you are satisfied you’ll boost my school. You will in the years to come be responsible for sending me many students. That’s a mighty strong reason, not the only one, of course, but just the same an important one why I want you as a friend when you leave the doors of Coyne to go out and cash in on the training I will give you.

Now before going any further in this book, stop and give the message you have just read, some real serious thought. If you do so, you will have more respect for me and more confidence in the institution I head than if I’d say “I’ll guarantee you a position if you’ll enroll,” merely to get your money.
My Student Service Department Handles All Your Problems

The Student Service and Welfare Department plays an important part in Coyne School life. The minute you arrive, you have the feeling 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 Student Service Manager 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. He treats every boy as he would his own son.

No matter what your religion may be or what your denomination, you will find that a church of your choice is right near at hand and they welcome their members from other towns and cities. I had to room to visit only a few of these on the opposite page.

On Sundays an instructor escorts a large number of students to the neighborhood churches where they have special classes and discussions. This is strictly non-sectarian and attendance is absolutely voluntary. I mention this because I do not want anyone to think any of my students are forced to attend against their wishes. Our text book in these classes is the Bible and we make a practical study of the Word of God and the Life of Christ, as applied to our own daily problems.

Your Entertainment at Coyne

When I tell you about the numerous entertainments and 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.

Every week, usually on Thursday, I stage, during the noon hour, a high-class entertainment. The double feature stage is raised in place and the artists start their features. Sometimes it may be a high class novelty music, string quartets and quintets, a magical show, songs and skits, dog artists, athletic exhibitions, and so on, features of practically every description. These are all high-priced acts or features that I engage direct from recognized circuits and every one of them is an clean and wholesome of quality as can be found, and they cost you nothing.

Athletics a Great Feature

Once weekly, during the noon hour, I hold a big amateur boxing tournament. All contestants are volunteers from the student body. The big stage is put in place, the ropes tied taut, the referee and the boxers ready, then maybe a lad from Oklahoma takes on a fellow student from Canada, and so on it goes, boys being represented from all parts of the United States and many foreign countries. The bouts usually go on two and two rounds and, while always lively and full of humor and interest, are always put on in a fine spirit of sportsmanship—never any rough stuff.

During the summer months, Coyne always has a fine baseball team, and usually of two or three teams. There are usually two student teams, and one team made up of instructors. You will never enjoy anything more in your life than seeing the instructors' team match bats with the student team. It's usually nip and tuck—and you never saw any better games than these, and side-splitting 11-0, 10-11, etc.

All games are played on regulation diamonds in Chicago's great park system not far from the school and outside teams are scheduled right along throughout the season.

The Coyne orchestra is another interesting feature. This orchestra has secured many outside engagements through the Y. M. C. A. and Y. W. C. A., who hold entertainments for their members and they have always stated they were more than pleased with the quality of music furnished.

But, of course, this orchestra also plays regularly for the student body during the noon hour, and it would do your heart good to hear the rest of the students crowd up around and sing their popular songs. It just sort of sends a thrill through you. If you happen to play an instrument, don't fail to bring it along and join the boys. New members always welcome.

Basket-ball is another athletic activity the boys get a great "kick" out of. The Jefferson Park Institute, located on Throop Street about four blocks from the school, has a splendid gymnasium which you might as well call the Coyne gymnasium, as probably 80 per cent of the boys there are Coyne students.

I Help You Locate a Fine Private Home Near School

When you arrive, one of the first things you'll want to do will be unpack the suitcase, get your clothes hung up, and maybe wash off the "signs of travel." So let's get that out of the way. Right near the school is a fine, cheerful, private home where you will select from the large number my assistant will offer you. The prices run as low as $2.50 a week and up, depending on the size etc. There are fine, clean rooms, cheerful, quiet, and in the homes of fine people who welcome Coyne students and usually accept nobody else in their homes. Many of my students double up and room together and this is a very nice arrangement.

They are located within walking distance of the school, so you have no carfare to pay out. Regarding your meals, these should not average over $6.00 per week.

You will find that no detail making for your happiness, well-being, comfort and health has been overlooked. You will be surprised that little things you probably never thought of yourself have all been planned out and taken care of for you.

In case you happen to feel indisposed at any time, arrangements have been made whereby the folks with whom you make your home will notify me at once. Should there be occasion for medical attention, my house physician is available at all times.

The Y. M. C. A. Right Near Coyne

The Y. M. C. A. is only a short step from Coyne. Coyne students are especially invited to attend the social events that take place both at the Y. M. C. A. and the Jefferson Park Institute. The boys get together every regular event, have their debating teams, "feud," athletic activities, and here you will make friendships that will ring down the corridors of time in your memory.

Fun for the Whole School When These Boys Get Under Motion—Introducing the Coyne Orchestra.
Coyne Trains You for the Rest of Your Life

The Coyne Electrical School has a feature in its training, that, to my knowledge, is not given by any other school anywhere. It is in the Coyne's Association. The idea of educational institutions throughout the world has been to give a person a certain training and then it is up to that person to go out and make good. But just as Coyne has always been a leader in educational methods, it being the originator of the 'Learn-by-Doing' method, so today it leads with this new idea in education. The idea is based on the principle that a man never stops learning; that when he stops learning he stops growing and succeeding.

Once a Coyne Student, ALWAYS a Coyne Student

From this thought I developed the continuation school, that is, "Once a Coyne Student Always a Coyne Student." I mean that after you have finished your practical work here at school and received your diploma, if I through with you and you with me NO, POSITIVELY NO. You leave school, yes, but you are promoted to my Students' Association and you keep on continually studying with Coyne.

This Feature Goes Hand in Hand with Your Work "On the Job"

How is this done? It is very simple. When you are promoted to the Association you are given a card to what ever division branch you intend to work in. It may be power-plant work or dealers-contractor or automotive-electrician or construction work, etc. It is my aim to work with you continuously, giving you information on all the latest developments in your line, submitting things for you to read and study, helping you with any work you are doing and assisting you to get a position whenever necessary. Any time you wish to return to school for more training on new equipment that comes on the market from time to time, you are free to do so.

I Give You This Without Charge!

New you ask if I charge extra for this. I do not. It is all free to members of the Association.

The Remarkably Fast Development of Electricity Makes This Service Positively UNLIMITED in Value!

I feel that this is the greatest service ever rendered by any institution to its students, and is particularly valuable because the field of electricity is so new and is changing so rapidly that there are new developments almost every day. I consider this service about as important to your ultimate success as the practical training received here at the school. Just as the 'Learn-by-Doing' method originated at Coyne more than a quarter of a century ago has been copied by scores of universities and public schools throughout the land, so will this great new idea of continuous education be copied in years to come.

Coyne trains you for success and keeps training you to hold success. It is one thing to gain success and another thing to hold it. Remember my slogan—"Once a Coyne Student ALWAYS a Coyne Student."

What To Do When You Arrive in Chicago

When you get off the train here in Chicago just walk right out to the door of the depot and there you will see a yellow Taxicab, go up to the driver and hand him your cab ticket and tell him to take you to THE COYNE ELECTRICAL SCHOOL at 500 South Paulina Street.

Then he will bring you and your grips right to our door. There is no need of you talking to anyone until you get to our building.

If you have a trunk just leave it at the depot and hand your trunk check to our Welfare man and he will see that it's sent right to your room.

If You Arrive at Night

If you should arrive after nine o'clock at night or after a clock on Sunday, just get into a yellow cab and tell him to take you to THE HOTEL LAMARLE. Then in the morning take a cab right over to the school.

If you will follow my directions you can't possibly get mixed up and you need not have any fears no matter what time you arrive in Chicago.

When you get to our office we will arrange all matters for you, such as getting your room, your trunk from the depot or any other thing necessary for your comfort.

A lot of fellows think because they are coming to a big city they are going to have a lot of trouble in finding their way about, but if you will cut this page of your catalog and bring it with you and do just as I have told you, you won't have one bit of trouble.

Terms of Tuition

Tuition covers all expenses of tools, materials and equipment. Every student is required to make a deposit of $6.00 at the beginning of the course for all the necessary tools and instruments he uses. This deposit is refunded when he has completed the course and returned the tools. We furnish all materials necessary such as magnet wire, armature wire, No. 14 wire, conduit, B. X., switches and fittings of all kinds, battery materials of all kinds, and numerous other things free of charge.

Post Grad. Help. We have a special department to help graduates secure positions and solve technical problems arising out of their work free.

Outfit. Students are required to provide themselves with pencil and notebook; everything else necessary is furnished by the school, except reference sets which are optional.

Diploma. A diploma is granted to each graduate. There is a charge of three dollars to cover the cost of individual engraving.

Your Coyne Diploma

A COYNE Electrical School Diploma is favorably recognized by employers and contractors all over the country. The endorsement of a man by this school in the shape of a diploma is therefore an important feature of the service this school renders its students.
P ERHAPS you have a son who is about to tackle the duties and responsibilities of manhood. His school days are ended, or nearly ended. Or maybe he has already started out and learned, to his disappointment, that the inexperienced lad is not heralded into the business world with pomp, ceremony and offers of big wages.

Right now is the time to help him do some straight thinking on the problems of life and the ways and means of getting ahead in the business world.

These are his "wavering" days, his days of indecision, when he himself, in the midst of immature and conflicting advice, hardly knows which way to turn to prepare himself for a happy future. You are the logical one to counsel with him, because you love him, understand him, and want him to go forward.

You have done much to help him prepare for the future activities of life. The ground-work for success and independence has been given to him. He now possesses valuable general knowledge, and perhaps plenty of it, thanks to you.

And "ground-work" alone is not quite enough. A superstructure of practical, money-making knowledge should be added to the training already provided. Don't let YOUR boy fall short of the mark when just a little more training—training that can be converted into cash to meet the inevitable obligations of "the butcher, the baker, the candlestick maker"—can be acquired by him in a short time for a trifling outlay on your part.

BACK YOUR BOY TO THE LIMIT! Do your part to keep him from being a perpetual job-hunter, a drifter, a "misunderstood" lad. Help to turn him into a steady, upstanding, responsible, self-supporting and self-respecting member of your family and of the community. Keep him from the depths by guiding him to the heights. You've gone almost the limit for him. NOW FINISH THE JOB!

The electrical field is rich in big money-making opportunities. It offers clean, dignified, fascinating work at good pay—everywhere—all the time! It provides wholesome, productive employment for mind and body. It satisfies all of the cravings of inventive and constructive genius. It perhaps transcends all other fields of human endeavor in providing developments that affect the welfare and activities of mankind. It is the backbone, the nerve and the sinew of thousands of other fields of endeavor. It is self-perpetuating and can never die out. It is rich and noble, and prodigious in size and importance.

YOUR BOY IS YOUR BOY! He will continue to be yours even after you have passed on and he has been left to shift for himself. Make him a credit to himself and to you! Help to put him into a field that offers rare opportunities for service to others and rewards for himself.

Win his everlasting gratitude by presenting him with a Course in Practical Electricity at OYNE, America's oldest practical school of electricity, located in CHICAGO, the Electrical Center of the World.

A. E. Lewis.
The Decision Rests With You

Here we are at the end of the book, and at the beginning of a New Day for you!

Step by step I’ve shown you through the great shops of Coyne. With your own eyes you’ve seen the vast outlay of electrical machinery. You’ve read the letters of men and young men who now are getting big money for working on this same equipment but out “on the job.”

You’ve seen the mountains of proof, living, breathing facts that no man can deny. You’ve read of the fellows who came here under handicap, probably far greater than yours could ever be, but who are today a success.

Will You Put Your Dreams Into Action?

If my big book has done what it should have done, it has made you realize the great fact that success is NOT hard to achieve, that it lies right now at your very finger tips, waiting for you to grasp it.

The moment you do this, the moment you have made the big GO AHEAD decision, you have, at one stroke, put your dreams into action; you’ve put behind you, forever, all dilly-dallying and those cold sobs of despair, and in their place you’ve put at work for you the fierce fires of ambition.

Keep them on the job and they’ll carry you through and put you on top!

You want the fine things of life. You know that nothing on earth but training will bring them to you. You are tired of being the world’s “goat” any longer.

But remember, Old Man Procrastination won’t agree with you. He’ll go to the floor with his boots on. He’s a tough opponent and not easily licked. He may be down, but he’ll never be out just so long as there is a single doubt or a single put-it-off thought in your mind.

The decision rests with you. The great battle between your “Tomorrow” self and your “Go Ahead, Do it Now!” self will be the supreme test. If you have the right stuff, there’s only one kind of victory possible.

No Man Can Cash Excuses at the Bank

Excuses find fertile soil in the minds of mankind. They flourish and multiply like weeds on every hand. Most men are victims of them. They dream, but find excuses for not carrying their dreams into action. Successful dreamers like Edison and Steinmetz carried their dreams into ACTION because they laughed at obstacles and ignored “excuses.”

There isn’t a successful man living today who can look back and think of excuses for not succeeding. Instead, they looked ahead for reasons why they should succeed—and they found them! No, Sir! There’s no excuse for “excuses.” Excuses don’t go in this world. They don’t pay bills. You can’t cash them at the bank. They don’t even bring sympathy; no, indeed, they only bring scorn and pity.

Show Me You Want Coyne Training and I’ll Show You a Way

You may need help before you get here. Or you may need my assistance after you get here. Either way, or both, let me register you now, and I’ll get real pleasure in doing anything I can for you.

The moment you send me your advance enrollment the faith I am putting in you is confirmed. I know you are Sincere, Earnest, and a Man of Action. I know that you are deserving and worthy of every bit of assistance I can give you.

If Everything Isn’t Clear Write Me a Letter Today

Write me a long letter today if there are any questions you want to ask me, or if there is anything that isn’t clear to you. Take me into your confidence. You’ll get a personal reply and a personal plan that will just fit your case. It will seem to you almost “too good to be true.”

Nothing in the day’s work means more to me than the opportunity to write these personal letters to offer a helping hand to those who need a little friendly counsel, a word of encouragement, as well as definite assistance along other lines.

Please write me that letter today if there are any problems or obstacles seeming to stand in your way.