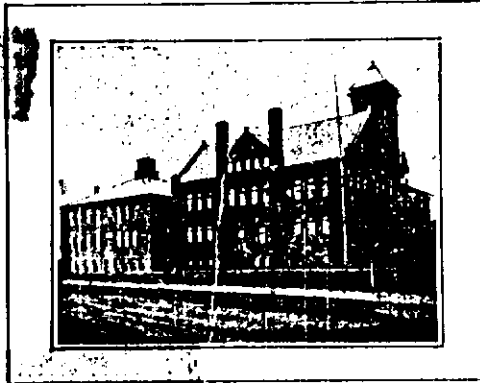


PHARMACY  
DEPARTMENT

OF THE

Ferris Institute

BIG RAPIDS, ... MICHIGAN



1904-1905

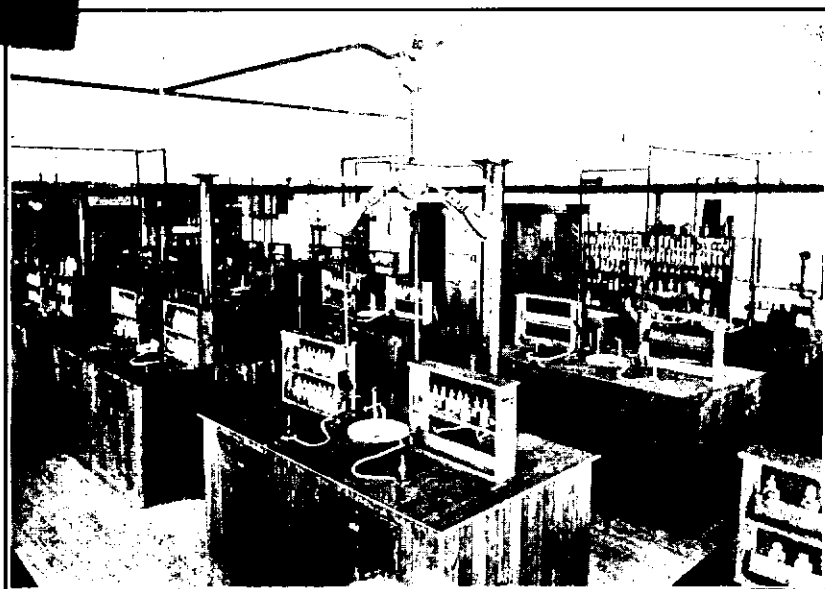
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## MISSION OF THE FERRIS INSTITUTE.

The Ferris Institute is not a college. It has, however, a definite and special mission. It reaches a class of young people that cannot be reached by higher institutions of learning.

While thoroughly in touch with the University of Michigan and institutions of like standing, the Ferris Institute recognizes that there are hundreds of young men who have a liking for pharmacy, but who have no possible chance of ever taking an expensive college course; young men who have to pay their own way; young men who have had but few educational advantages and who are looking for a school in which the fundamentals of English are taught, as well as the science bearing upon pharmacy — to this class it says "Come." To the young man who is anxious to make something of himself, anxious to be of some use in the world, the Ferris Institute gives a hearty welcome. It has helped hundreds, financially, mentally, and morally. It is the people's school. Its doors are open to all, its only requirements being manhood and a willingness to work.



CHEMICAL LABORATORY.

## EQUIPMENT.

The Pharmacy Department occupies the entire first floor of the new building which was completed in September, 1901. It consists of a **Lecture Room**, capable of seating ninety students, with a table suitable for class room experiments. Adjoining the lecture rooms is the **Main Laboratory**, which will accommodate eighty-five students. Work is carried on there in the various branches of pharmacy and chemistry. A special **Prescription Department** is also a part of the laboratory equipment. A complete **Scale Room** is furnished for quantitative analysis, so that accurate chemical work may be done. Students taking laboratory work are furnished with most of the necessary apparatus, but have privilege of borrowing more from the store room, free of charge, if returned in good condition. Chemicals are furnished at cost price.

## PHARMACY COURSE.

### FIRST YEAR.

#### First Term Sixteen Weeks.

<i>Subject.</i>	<i>Class Work.</i>	<i>Laboratory Work.</i>
Pharmacy	One hour daily	
General Chemistry	One hour daily	Two hours daily
Botany	One hour daily	One hour daily
Latin	One hour daily	

#### Second Term, Twenty Weeks.

Pharmacognosy and Materia Medica,	One hour daily.	
Physiology	One hour daily	
Analytical Chemistry		
(Qualitative Analysis)	Three hours weekly	Three hours daily
Latin	One hour daily	

### SECOND YEAR.

#### First Term Sixteen Weeks.

Analytical Chemistry		
(Quantitative Analysis)	Three hours weekly	Ten hours weekly
Organic Chemistry	Two hours weekly	Five hours weekly
Official Pharmacy	One hour daily	

#### Second Term Twenty Weeks.

Official Pharmacy	One hour daily	Eight hours weekly
Toxicology	Two hours weekly	Five hours weekly
Prescription Practice	One hour daily	Two hours weekly
Review	One hour daily	

## THE COURSE.

### PHARMACY.

**Lectures and Quizzes Five Hours a Week-** This course includes a systematic study of weights and measures, units and tables, and comparison of the English and Metric systems. Lectures and recitations will be given on the various processes and manipulations which find application in pharmaceutical practice; as comminution solution, precipitation, filtration, evaporation and dialysis. Care will be taken to show the calculations which find application in practical pharmacy.

### GENERAL CHEMISTRY.

**The work in chemistry consists of five hours in lectures and quizzes, and ten hours' laboratory work each week.** The lectures are illustrated by experimental work and chemical equations. A study is made of common elements, including both metals and non-metals, with respect to their occurrence and properties. Acids, bases, salts, chemical laws, valence, chemical reactions, and chemical problems are carefully studied. The purpose of this course is to acquaint the student with the general laws of the science and give him sufficient grasp of the subject to comprehend the processes involved in the actual work required of the practical pharmacist. The laboratory work illustrates the principles underlying the science.

Three weeks of the course is given to outlining the essentials of qualitative analysis so that students may be able to test for common metals and radicals. Special stress is laid upon laboratory work, as it is the only way the student can master the essentials of Chemistry.

### BOTANY.

**Structural Botany of Phanerogams**—Daily recitations accompanied by laboratory work. This course involves a study of the structure and functions of root, stem, leaf, flower and fruit. Common and typical forms are used as a basis for study.

**Structural Cryptogamic Botany**—Text-book and laboratory work, supplemented by lectures, special attention being given to economic phases of the subject.

**Systematic Botany**—Class exercises and field work. This course is carried on simultaneously with preceding botany courses.

From one to three analyses a week in plant analysis are given throughout the term.

### **LATIN.**

Experience has shown that students who have not studied Latin are at a great disadvantage when compared with those who have a fair knowledge of that language. They are found to be much slower in mastering the terminology and securing a firm grasp of the subject presented; and, without a clear knowledge of terms, satisfactory progress is impossible. Therefore, all students of pharmacy at the Ferris Institute are now required to have one year of Latin.

This course involves a special drill of the Latin of pharmacy and medicine, including a consideration of declensions, conjugations, and rules of agreement as bearing upon prescription practice and pharmacopœial nomenclature.

### **PHARMACOGNOSY AND MATERIA MEDICA.**

**Lectures and Quizzes One Hour Daily** - The instruction in this important subject will be chiefly by recitation and quizzes, special attention being given to the source, important constituents, medicinal action and uses, official preparations and doses of drugs. Dangerous or poisonous doses and antidote will be carefully considered in both organic and inorganic substances. The course will be made practical, and the student will be drilled in repeated practice with commercial samples until he is able to recognize the more important drugs and preparations.

### **ANATOMY AND PHYSIOLOGY.**

**Structure and Functions of Organs of Human Body**—  
Daily recitations and laboratory exercises.

**Hygiene** - General laws of health. Alcohol and narcotics. Communicable diseases and laws relating to them. Poisons, their effects and antidotes. Emergency cases.

The work in physiology is conducted on the laboratory plan. The use of the microscope for the examination of minute structure, class demonstrations of the internal structure of the cat and experiments on the living human body— all tend to give the subject a scientific disciplinary value far beyond the scope of ordinary text-book physiology.

## QUALITATIVE ANALYSIS.

**Three Recitations and Fifteen Hours' Laboratory Work a Week**—This course is a continuation of general chemistry and must be taken before quantitative analysis, organic chemistry, or toxicology. The laboratory work in this course will be devoted to the metallic elements, their chemical properties, method of analysis, separation and identification. Balancing of difficult equations and the principles of various reactions are studied in detail. The complete analysis of fifty dry unknowns, containing from one to eight substances, gives the student a practical knowledge of the science. The correct solution of thirty-six out of fifty is required for credit in laboratory work.

## QUANTITATIVE ANALYSIS.

**Three Lectures and Ten Hours' Laboratory Work Each Week**—This course is designed to furnish the student with methods for determining quantitatively the amount of a substance present, and to aid him particularly in pharmacopœial testing. The work begins with a determination of the specific gravities of the important acids. Then follows the preparation of standard solutions, volumetric estimations, gravimetric determination and separations. Students must complete the work in qualitative analysis before being allowed to take this course.

## ORGANIC CHEMISTRY.

**Lectures and Quizzes Two Hours a Week. Laboratory Work Five Hours a Week**—Elementary organic analysis is considered. After this the study of organic bodies is taken up in regular order, beginning with hydrocarbons, their substitution products, alcohols, aldehydes, organic acids, esters, etc. A knowledge of qualitative chemistry is required before taking this course.

## OFFICIAL PHARMACY.

**Lectures and Quizzes Five Hours a Week. Laboratory Work Eight Hours Weekly**—This course is a systematic study of the United States Pharmacopœia. Each preparation is taken in order and carefully studied, special stress being laid upon manipulation and chemical reactions. Work will be done comparing the old Pharmacopœia with the new one. The course also embraces the practical demonstration of the fundamental principles of Pharmacy. The work performed in the laboratory is designed to sup-

plement the course, and to give the student experience and skill in the manufacture of official preparations. Special attention is given to Pharmacopœial testing, and preservation, together with standards of strength and purity.

### TOXICOLOGY.

**Recitations and Quizzes Two Hours Weekly. Laboratory Work Five Hours Weekly** — Instruction is given in the recognition of the more important alkaloids, both qualitatively and quantitatively. Urine is examined for pathological and normal constituents. This enables the pharmacist to be of great help to the physician. Analysis of milk and water is also a part of the course. A knowledge of quantitative analysis is required before taking this course.

### PRESCRIPTION PRACTICE.

**Lectures and Quizzes One Hour Daily. Laboratory Work Two Hours Weekly** — The work consists of prescription reading, including Latin terminology, pharmaceutical nomenclature and Latin phrases. Special attention is paid to doses, solubility, and to composition of pharmaceutical preparations. Incompatibility is illustrated in class and laboratory. Students are given prescriptions to fill, illustrating the various laws of combination and incompatibility.

### THE SHORT COURSE.

This course is offered to those students who have had the required store practice—four years for registered and two years for assistant's certificate—and who wish to prepare for examination in the shortest possible time and at the least possible expense. It must be borne in mind that this course is not offered as a substitute for the regular course. The candidate is always urged to take the regular course. The short course is designed to reach a class of drug clerks that would otherwise not be reached—clerks who are trying by the aid of "Quiz Compendis," etc., to pass the examination.

It involves the study of those subjects that bear directly upon the examination. The school aims to build upon what the student already knows. He is not compelled to enter

classes too elementary nor too advanced, but is given such work as will enable him to make the most of his time.

The course is in no sense a "crash course." The work in every subject, so far as it goes, is done thoroughly and with reference to its permanent educational and disciplinary value, as well as to its special bearing upon the student's immediate needs.

**Metrology** may be defined as the science of weights and measures. While the course is necessarily brief, yet the work is reasonably thorough, only the essential principles being emphasized. A brief study is made of the English and metric tables of weights and measures, after which many problems are given in reduction from one unit to the other of the same system and also in changing from the English system to the metric and vice versa. In specific gravity and thermometry, both demonstrations and problems are given.

**General Chemistry**—Recitations and laboratory work covering the fundamental principles of the subject. Special attention is given to chemical reactions as bearing upon the preparation of common non-metallic elements, relation of acids, bases and salts, oxidation and reduction, and common tests. During the latter part of the course daily laboratory drill is given in analysis and testing. Much drill is given in writing chemical equations, etc.

**Official Preparations of Pharmacopoeia** In this subject the student is given from one to three drills daily. This work includes recitations and drills on the official preparations with respect to name, both Official and English, composition, analysis, important properties, and uses.

**Materia Medica**—Each substance is studied with reference to its origin, properties, uses and dose. Especial attention is given to powerful and poisonous drugs, in addition to the regular class work.

**Identification of Crude Drugs**—Specimens of all official crude drugs put up in convenient form, are kept in the laboratory for the student's use.

**Incompatibilities**—Recitations from text-book and drills. From ten to twenty prescriptions are given each day for criticism.

**It must be borne in mind that the student is given the privilege of selecting from the course such studies as he most**

needs. He may take few or many, as his ability and scholarship will warrant.

### PHARMACY DURING THE SUMMER SESSIONS.

While the course is not continued during the summer months, students can always take studies that will prepare them for examination.

### HISTORY.

The tenth annual session of the department opened Aug. 31st, 1903, and the enrollment for this year has increased about thirty per cent. over that of the preceding year. From the beginning the success of the department has been little less than phenomenal. From time to time changes have been made in the course and each has been a step in advance.

The course of study has been carefully arranged to give the student a comprehensive and thorough knowledge of the several branches essential to the education of pharmacists. The laboratories are well equipped with apparatus and supplied with material for the essential features of a pharmaceutical course, involving actual laboratory work.

The success of the Department is due largely to the fine quality of young men who attend it. They are conscientious, and hard working young fellows who come here for a purpose. Most of them pay their own way. They come from the drug store, the high school, the work-shop, the mill, the factory and the farm. With but very few exceptions, they succeed and go into the world of Pharmacy to win laurels for themselves, elevate the profession, and reflect credit on the school.

### THE METHOD.

Throughout the course the method adopted is a judicious combination of text-book work and laboratory exercises. In his text the student finds a guide; at his case he puts into actual practice the theories of the recitation room. One method is not emphasized at the expense of the other, the idea being to secure all that is good from both. The minimum time requirement for pharmacy students is ten hours' classroom work a week, and fifteen hours' laboratory work.

## **PRELIMINARY PREPARATION.**

Entrance examinations are not required. The candidate, however, should possess a good English education. He cannot afford to ignore the demands of a progressive age, an age that frowns upon illiteracy and incompetency. The ability to speak and write clear and forcible English, the ability to make rapid and accurate arithmetical calculations and the ability to appreciate modern scientific methods, makes success in Pharmacy certain.

## **WHEN TO ENTER.**

The Michigan State Board of Pharmacy recognizes the Pharmacy Department of the Ferris Institute. Students who wish credits that will be accepted by the Board of Pharmacy must enter the Ferris Institute in September and do satisfactory work for nine continuous calendar months.

## **REQUIREMENTS OF THE STATE BOARD.**

N. B.—The following resolution has been adopted by the State Board of Pharmacy and these requirements will be enforced after July 1st, 1904:

Resolved, That all applicants for examination as Registered Pharmacists must have had at least four years' actual experience compounding drugs in a retail drug store, under the supervision of a Registered Pharmacist; and all applicants for examination as Registered Assistant Pharmacists must have had at least two years' actual experience compounding drugs in a retail drug store, under the supervision of a Registered Pharmacist.

The time spent in a recognized College of Pharmacy shall be counted the same as time spent in a retail drug store, but not more than two years of such college work shall be counted as actual experience for a Registered Pharmacist; nor more than one year for a Registered Assistant Pharmacist; Provided, That the Registered Pharmacist must have had at least two full college year's study, and the Registered Assistant Pharmacist at least one full college year's study, to be entitled to such credit for actual experience. The college year shall consist of not less than ten hours' class work and fifteen hours' laboratory work a week, and of nine calendar months from September or October to May or June, inclusive.

### **EXPENSES.**

Tuition payable in advance. For nine months it is \$15.00; for six months, \$7.50; for three months, \$3.75. Students of pharmacy have the privilege of electing studies in the English course, penmanship, business correspondence, arithmetic, etc., without extra charge.

Laboratory fees are payable at the beginning of each term. The student pays for what he actually uses in the way of chemicals and apparatus. The average fee is about \$15.00 for each nine months. Books for the entire course will cost about \$14.00.

### **BOARD AND ROOMS.**

In no other school town in the United States are the student's expenses less. Seventeen years of sharp competition on the part of families keeping boarders enables the school to offer the lowest rates possible. The following figures show what the students are actually paying at the present time: Board, room, lights, etc., in private family, per week, \$2.00 to \$2.50; board, room, lights, etc., in club, \$1.85 to \$2.00; self-boarding, room, lights, etc., \$1.35 to \$1.50.

Living expenses at Big Rapids are so much lower than in other cities that students can pay considerable railroad fare and save money.

### **POSITIONS.**

Candidates sometimes ask if we guarantee positions. We answer, emphatically, "No." No reliable school of Pharmacy that we know of guarantees positions. We have, however, been unable to answer all the demands upon us for registered and registered assistant pharmacists. Our students who have gone to work in drug stores have given such universal satisfaction that druggists wanting clerks send to us for them. As a result of this, we feel no hesitancy in saying that we can place our students in lucrative positions when they are competent.

### **FURTHER INFORMATION.**

If you are interested in pharmacy, if you think of attending school, if you wish further information, write the president,

W. N. FERRIS,  
Big Rapids, Mich.

# FERRIS INSTITUTE

BIG RAPIDS, MICH.

## TUITION RATES—Payable in Advance.

Beginning September 2, 1907.

<b>ENGLISH,</b> (Including Third Grade Certificate Subjects.)	One week .....	\$ 1.25
	Twelve weeks .....	\$12.00
	Twenty-four weeks .....	\$21.60
	Thirty-six weeks .....	\$30.00
	Forty-two weeks .....	\$35.00
	Forty-eight weeks .....	\$37.80
	Seventy-two weeks .....	\$54.00
	One hundred weeks .....	\$70.00
<b>Normal, College Preparatory, Kindergarten, Drawing and Music, Professional Penmanship.</b>	One week .....	\$ 1.50
	Twelve weeks .....	\$15.00
	Twenty-four weeks .....	\$27.00
	Thirty-six weeks .....	\$37.50
	Forty-two weeks .....	\$43.75
	Forty-eight weeks .....	\$47.25
	Seventy-two weeks .....	\$67.50
	One hundred weeks .....	\$80.00
<b>Shorthand, Telegraphy, Business, Civil Service.</b>	One week .....	\$ 2.50
	Twelve weeks .....	\$25.00
	Twenty-four weeks .....	\$40.00
	Thirty-six weeks .....	\$50.00
	Forty-two weeks .....	\$55.00
	Forty-eight weeks .....	\$60.00
<b>Typewriting.</b>	Two intervals a day, 12 wks.	\$3.00
	Four intervals a day, 12 wks.	\$4.50
<b>Pharmacy.</b>	One week .....	\$ 2.00
	Twelve weeks .....	\$20.00
	Twenty-four weeks .....	\$35.00
	Thirty-six weeks .....	\$45.00
<b>Individual Instruction in Vocal or Instrumental Music.</b>	One lesson .....	\$ .50
Two lessons in <b>Vocal or Instrumental Music</b> per week and choice of sub- jects from the <b>Normal, Col- lege Preparatory, English, Kindergarten or Drawing and Music Departments.</b>	Twelve weeks .....	\$22.00
	Twenty-four weeks .....	\$40.00
	Thirty-six weeks .....	\$55.00

## LIVING EXPENSES.

Board and room, with roommate, \$2.25 to \$2.50 to \$2.75 per week.



L. J. BUDGE.



CLARK TREAT.



ROBERT E. LOREE.

Coleman, Mich., May 17th, 1904.

I entered the Ferris Institute January 4th, 1904, having had three years' experience in a drug store. I passed a very satisfactory examination in June, 1904. My living expenses were about \$3 per week, including good room and board. I not only value the time spent at the Ferris Institute for the help received in securing my registered certificate, but also for the many things I learned that will help me to be a better Pharmacist.

L. J. BUDGE.

Detroit, Mich., May 17th, 1904.

Having entered your school in January, and after eight weeks training having passed the State Board in March, I take pleasure in recommending your school to all young men in need of a thorough and practical knowledge of Pharmacy. The school is one of the best in the country for a young man of small capital.

CLARK TREAT.

Petoskey, Mich., July 10, 1904.

Having completed the Pharmacy course of the Ferris Institute, I can heartily recommend it to anyone wishing a thorough and practical knowledge of Pharmacy.

Very truly yours,

ROBERT E. LOREE.



CARL M. BARRY.



GLEN SIPES.



WM. J. HERBARD.

Big Rapids, Mich., July 10, 1904.

I attended the Pharmacy Department of the Ferris Institute five months. I then took the Michigan State Board of Pharmacy examination for full registered papers and received them with an average of 82 per cent. I found that my training at the above school made the examination exceptionally easy for me.

CARL M. BARRY.

Jackson, Mich., July 7, 1904.

I take pleasure in recommending the Ferris Institute Pharmacy Department to anyone who wishes to prepare for the State Board examinations. I entered the Ferris Institute Jan. 4, 1904, and after twenty-two weeks of study was able to pass the State Board examinations held at Star Island, June 20-21-22. My expenses for the twenty-two weeks did not exceed \$150. I most heartily thank the Institute for the instruction I received.

GLENN D. SIPES.

Marquette, Mich., June 6, 1904.

For economy and thoroughness, the Pharmacy Department of the Ferris Institute is unsurpassed. For the eight weeks I spent there, including my fare to Ann Arbor and return to Marquette, it cost me only \$75. Had I not taken this course, I think I would have spent a year or more longer in a store before being qualified to pass at the fairly good standing I received at the March examinations.

Very sincerely yours,

WILLIAM J. HEBBARD.



J. L. SIMMONS.



FRANCIS A. GRAHAM.



WM. W. MORSE.

Flint, Mich., July 29, 1904.

I completed the Pharmacy course in June, 1904, and can recommend it to anyone wishing a thorough, up-to-date, course in Pharmacy.

L. F. SIMMONS.

St. Charles, Mich., July 7th, 1904.

I would say in regard to the Pharmacy department of your school that it is one of the best, if not the best, in the state. I was able to pass the State Board after six months of preparation. I would recom-

mend this school to all who wish to prepare for the State Board examinations.

Yours truly,

F. A. GRAHAM.

Kalkaska, Mich., April 19th, 1904.

I take pleasure in stating that with a drug store experience of three years, and an eight weeks' course in Pharmacy at the Ferris Institute, I succeeded in passing the State Board of Pharmacy examinations held at Ann Arbor, March 1st and 2d, and received a certificate as a registered pharmacist. My advice to any young man who wishes to prepare for the State Board examination is to attend the Ferris School.

WM. W. MORSE.



A. A. STRONG.



JOHN VANDER VEN.



A. B. GOFFAR.

Reed City, Mich., July 4th, 1904.

I wish to thank you and the Ferris Institute for my success at the recent State Board examination. I was with you less than six months and at a total cost of less than \$150. I feel I owe my success largely to you and heartily recommend the Ferris Institute to anyone desiring good practical work in Pharmacy.

Yours very truly,

ALONZO A. STRONG.

Grand Haven, Mich., July 7th, 1904.

After attending the Pharmacy Department of the Ferris Institute six months, I took the State Board examination, secured registered pharmacist's papers, with a creditable percentage. Prior to this time, I knew very little of the theory of Pharmacy. I therefore acquired all of my knowledge from the thorough instruction at the Ferris Institute given by Mr. W. A. Pearson. Any one desirous of passing the State Board examination will make no mistake in entering the Pharmacy Department of the Ferris Institute. Expenses during the six months need not exceed \$125.

JOHN VANDER VEN.

Lansing, Mich., July 8th, 1904.

After having two years' experience in a drug store, and one year in the Pharmacy Department of the Ferris Institute, I applied for

assistant papers, taking the examination at Ann Arbor, March 1st and 2d, 1904. I received a very good standing for assistant. I then wrote at Star Island, June 20-21-22, for registered papers and was successful. I recommend anyone wanting a course in Pharmacy to attend the Pharmacy Department of the Ferris Institute.

Yours respectfully,

A. B. GOFFAR.



T. W. CREECH.



J. E. WHALEY.



JOHN T. NORTON.

Alma, Mich., July 5th, 1904.

I entered the Pharmacy Department of the Ferris Institute in Jan., 1904, and received my full registered papers in the June examinations. The course is thorough and up-to-date in every respect. I would recommend it to anyone contemplating a course in Pharmacy.

T. W. CREECH.

Milan, Mich., July 6, 1904.

I attended the Pharmacy department of the Ferris Institute for seven months and passed the examination at Star Island in June, 1904.

J. E. WHALEY.

Rockford, Mich., July 6th, 1904.

I attended the Pharmacy Department eleven months at a total expense of about \$175. I passed the examinations in June, 1904.

Respectfully yours,

JOHN NORTON.



RICHARD TEAHAN.



JOSEPH BROWN.



C. T. HORNBERGER.

Bad Axe, Mich., May 24, 1904.

I was a student in the Pharmacy Department of the Ferris Institute for seven weeks, from January until March, and was successful in passing the March examinations with a good standing. I cannot say too much for the school. I would advise anyone wishing to pursue Pharmacy to take a course in the Ferris Institute. It will pay.

RICHARD TEAHAN.

Battle Creek, Mich., May 6th, 1904.

I enrolled in the Pharmacy Department Jan. 2d and after two months' study passed the examination prescribed by the State Board of Pharmacy with very satisfactory averages. My total expenses from the time I came to your school until after I had passed the examination was less than \$100. I can heartily encourage anyone who means business and who really wants to get an education to come to your school.

Very faithfully yours,

JOSEPH BROWN.

Lansing, Mich., May 10, 1904.

I entered the Pharmacy Department of the Ferris Institute, Jan. 4, 1904, and after eight weeks' of study I succeeded in passing the State Board examinations as registered Pharmacist. I recommend the course to all persons who intend to go before the State Board for examinations.

Yours respectfully,

C. T. HORNBERGER.



CLARE E. WILKINSON.



JAMES A. WOODS.

Saranac, Mich., April 25th, 1904.

The eight week's instruction I received from Mr. Pearson of the Pharmacy Department of the Ferris Institute enabled me to pass the examinations at Ann Arbor, March, 1904, for full registered papers. The work is of great value to every practical pharmacist.

CLARE E. WILKINSON.

Grand Rapids, Mich., July 13th, 1904.

I attended the Pharmacy Department of the Ferris Institute thirty-six weeks at a total expense of \$102. At Star Island in June, 1904, I passed the State Board examinations.

JAMES A. WOODS.

**STUDENTS ENROLLED DURING THE SCHOOL YEAR  
BEGINNING SEPTEMBER, 1902.**

Adamski, F. S.	Gain, B. T.	Macdonald, N. R.
Anderson, Elmer N.	George, Percy F.	Martineau, Donat.
Armstrong, W. N.	Globensky, A. E.	Mattison, W. W.
Aspin, Charles.	Goffer, A. B.	Maynard, C. I.
Atkin, I. H.	Gould, James.	McQuillen, L. P.
Avery, C. W.	Groshaw, Thos.	Mills, Ernest.
Ballentine, Fred.	Grover, C. W.	Mills, R. B.
Bell, F. W.	Guile, George A.	Miller, Roy.
Bertram, L. W.	Harris, John F.	Murray, Walter A.
Bertraud, J. W.	Harrison, R. H.	Naregan, J. Earl.
Bolton, Roy E.	Hemens, Laura B.	Nye, A. L.
Brock, Arthur.	Henderson, Clare.	Parish, Charles.
Briggs, A. C.	Hickey, Leo D.	Real, E. I.
Brown, C. E.	Holden, Floyd E.	Richmond, D. W.
Bruner, Alex.	Howard, Geo. B.	Roberts, John.
Buchman, Abraltam.	Howell, W. A.	Royce, Arthur.
Buckrell, James.	Hoyt, John G.	Sherwood, G. W.
Burston, Wm.	Hudson, Mattie B.	Simmons, J. L.
Campbell, A. B.	Hutchings, F. E.	Smith, Lucl H.
Carveth, Albert.	Huyek, C. H.	Spiegelberg, Harvey.
Cooper, A. M.	Jacobson, Paul.	Streeter, A. B.
Cornish, E. R.	Jandron, Wilfred.	Terpening, R. A.
Davis, Elmer G.	Johnson, H. E.	Tiffany, A. C.
De Frem, A. F.	Kennedy, L. J.	Torberson, Nels.
Dell, Chas. E.	Kirtland, A. L.	Travis, Leon.
Deno, A. C.	Kirtland, W. Dean.	Van Deirse, Dora.
Eaton, Ben.	Kloeffler, H. L.	Walker, Hugh.
Elderkin, George.	Knill, Lee.	Wheeler, K. H.
Fannaff, Fred.	Knorr, John.	Whitmore, Park.
Farrell, Frank.	La Rocque, E.	Wilcox, Carl.
Foster, Guy C.	Lewis, Ernest.	Wilson, H. J.
Fowler, J. F.	Lipp, John P.	Wood, George.
Fowley, Harper.	Lorce, Robert.	Zinkie, W. A.
Fuller, Edmon.	Lowthian, Mont.	

STUDENTS ENROLLED DURING THE SCHOOL YEAR  
BEGINNING SEPTEMBER, 1903.

Albert, John H.	Hornberger, C. T.	Notter, Harvey J.
	Hard, Wm. J.	O'Neil, Edward.
	Roscoe.	Orr, Miss Rebecca.
	ick, Lorne.	Parkell, Ralph J.
	Arthur P.	Paquin, George.
Barnes, John O.	Hixon, Mrs. Martha.	Phelps, Frank D.
Bentley, Theo.	Hopkins, J. D.	Pinney, Lyman L.
Blakely, Arthur.	Howard, Bert T.	Pittwood, John.
Brower, Claude Ernest.	Hoyt, John G.	Platts, Guy D.
Brown, Charles E.	Johnson, A. C.	Potter, J. W.
Brown, Joseph.	Johnson, E. A.	Pulkinghorn, W. Ross.
Brack, W. J.	Jones, Wm. D.	Quarton, Fred V.
Budge, L. J.	Kennedy, Frank.	Ramey, Leslie.
Bullock, Jay L.	King, Charles.	Randall, Claude A.
Castle, C. E.	Kivela, John W.	Randall, Roy.
Cooper, Thos. Harry.	Knapp, Darr J.	Ratz, Henry J.
Cobb, Herbert E.	Knorr, W. J.	Renaud, M. A.
Cory, V. L.	Knuth, A. G.	Rice, Ashley B.
Cowdrey, Roy.	Lanway, Will.	Richmond, Mabel C.
Covey, W. B.	Lee, C. E.	Robertson, Claude E.
	Lemire, E. H.	Roberts, John.
Curtis, John L.	Leiphart, Erwin H.	Rollins, Frank.
Daner	Letts, Floyd C.	Rouse, H. M.
De Coe, Merton C.	Levy, Percy H.	Sharrard, Guy T.
De F...	bert E.	Shirliff, Clyde.
De P...	l C.	Simmons, J. L.
	hu.	Simpson, Nye.
	undy, George P.	Sipes, Glenn.
Emmitt, Orlando.	Mauley, A. M.	Sly, Arthur.
Farrell, Claude B.	McCabe, Ralph.	Smelker, Alvin M.
Fashbaugh, Fred R.	McClintock, Hollie H.	Steidle, C. E.
Finch, Earl R.	McGeorge, Albert.	Stewart, John J.
Foley, W. D.	McGrath, Monroe M.	Stocklin, Clifford.
Ford, Lester H.	McKeighan, John.	Stroug, A. A.
Foster, Ernest.	McLennan, Murdock L.	Stringham, Mrs. W. R.
Foster, J. A.	McNeely, Frank.	Swanson, J. T.
Gervers, John.	Miller, Dwight R.	Teahan, Richard.
Gilray, John.	Miller, Ellsworth G.	Tompkins, J. Oscar.
Goffar, A. B.	Miller, Paul J.	Treat, Clark.
Gordon, John F.	Miller, Claude R.	Vander Ven, John.
Gould, Charles E.	Mitchell, Nora.	Walker, P. G.
Graham, Francis A.	Moore, George H.	Wallace, J. E.
Gray, Bert.	Morrice, W. H.	Ware, I. W.
Green, Frank.	Morrison, J. A.	Weisel, John H.
old, Don E.	Mourish, Marshall J.	Whaley, J. E.
	Morse, Wm. W.	Wilkinson, Clare E.
	Dalton.	Wilson, Arthur T.
	Charles R.	Wilson, Robert E.
	Wm.	Woodall, Wm.
Hammond, Wm.	Musch, Arthur.	Woods, James A.
Hampton, Clarence.	Newell, George.	Zeigler, Paul.
Hansen, Charles H.	Norton, Frank J.	
Hare, Everett B.	Norton, John T.	
Harper, Harry.		

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