

The CLOCK TOWER

This Number Sponsored
by the
Pre-Medical Department

Welsh Singers to Appear
here
Next Saturday Evening

VOL. V

COLLEGE VIEW, LINCOLN, NEBRASKA, MARCH 26, 1931

No. 24

ORCHESTRA IN PUBLIC CONCERT

Union College Orchestra Renders
Compositions in Its First
Program of the Year

LEDINGTON DIRECTS

Other Numbers Include Girls' Glee Club,
Girls' Trio, and Violin Solos by
La Merne Walker

The Union college orchestra appeared in concert Saturday evening in the college chapel, assisted by the Treble Clef club.

The first number, "March Dignitaire," was composed by Ed. J. Walt, of Lincoln. The second number of the first orchestra group was "In a Moonlit Garden," by L. Oehmler.

A vocal trio—Esther Nelson, Doris Kirstein, and Ferryl Garvin—sang "Flower of Dreams," by Clockey.

The next orchestra group consisted of "Hungarian Dance No. 5," by Brahms; and "Amaryllis (Air Louis XIII)," by Ghys.

The Treble Clef club, the young women's choral society, appeared in the next group, singing three numbers, "In the Time of Roses," by Reichardt, arranged by Professor Ledington; "Calm as the Night," by Bahm; and "That is Jean," by Godard.

La Merne Walker, violin soloist, played two selections, Mylnarski's "Mazurka," and Kreisler's "Trasquita," being accompanied by Ada Townsend.

The final group was played by the orchestra: "The Swan," by Saint-Saens; "Pizzicato Polka," by J. Strauss; and an overture, "Magic Flute," by Mozart.

(Continued on page three)

Children at Orthopedic Enjoy Music and Stories

Ermina Powell and Gladys Huffman hand in the following reports of Sunshine band visits.

At the Tabitha home this week the program was mostly musical. A quartet, Francis Jones, Joe Christensen, Ralph Cash, and Arthur Leno, sang three songs. Henry Preston spoke on "the pearl of great price." Esther Nelson sang two solos. Arrangements were made to give a secular program during spring vacation.

At the Orthopedic hospital last Sabbath the band visited the children in the wards, since so many of them could not be brought downstairs to the auditorium. First they visited the girls' ward, talking with them personally and giving a short program, then going to the boys' ward. Ellen Swayze and Helen Bousman told stories, and music was furnished by Lucile Fleming, who sang and played her guitar. Doris Kruse and Mr. Charles McWilliams also visited with the regular members of the band.

Medical Students Should be Familiar With Other Fields for Proper Balance

By Dr. G. R. UNDERWOOD

It is very interesting when one who has completed a given course looks back on the years of his preparatory work and points out to himself some changes which, if he had understood what was to follow, he would have made in the preparation.

This is particularly true if the chosen course is one which will lead him into matters which are far afield from the ordinary routine of life. The medical course admirably fits this condition. When a person chooses his life's profession, he usually considers several things: first, his adaptability to the profession; next, his likes, based upon previous experience; and last, his ideal which he strives to attain, this usually being an acquaintance or some person toward whose attainments he aspires.

The common complaint against medical men is that they are poorly versed in subjects outside their own field. The only place that this can be remedied satisfactorily is during the time of preparatory college work. Many students, in their desire to gain further scientific knowledge, fail to realize that theirs is not the only profession, and that reciprocation with other fields is necessary for a well-balanced knowledge of life. Do not fail, in your preparation work, to take advantage of the knowledge of the many arts, which every college of arts and sciences affords.

A great many of the medical schools in this country have seen the need for a broader preparatory pre-medical educa-

Students Enrolled in the Pre-Medical Course at Union College

From left to right, beginning with the front row: Jess Hayden, Theodore Wedde, Professor E. B. Ogden (physical science), Professor Marvin D. Knoll (biological science), R. E. Nelson, Harrison Evans, Theodore Howard, Wesley Plinke, Henry Specht, Joe Christensen, Everett Christensen, Harold Christensen, Gilbert Christensen, Sam Werner, Roger Runck, Eldon Dorman, Arthur Kellums, Leslie Riechel, Robert Heine, Otto Engen, Milton Fischer, Floyd Ander-



son, Abraham Merkel, Glenn Wood, Kenneth Mathieson, Lincoln Owen, William Olson, Carol Culver, Walter Carroll, George Thornton, Wallace Nethery, Donald Paige, Kenneth Purdom, Mabel Ellwanger, Mabel Gosnell, Haskell Baker, Richard Gibson, Donald Kroll, Wilfred Emery, Clarence Heiland, Russell Atkinson, Albert Seltman, Joyce Hall, Hester Mathes, Idamae Nelson, Genevieve Fiman, Everett Miracle, Earl Reimche, Daniel Keldsen, and Stanley Hilde.

A Medical Student Writes to Pre-Meds

By LEON BAKER, PRE-MEDIC, 1930

Really I think it a great pleasure to write something for THE CLOCK TOWER. If the ones who contribute to the paper every week enjoy reading it like we who are miles from the old doors of Union, I must say it is wonderful.

I don't know what I can say to best advantage concerning the life of a medic and what he should have known before entering medical college. To reveal what he should have known would take too much of my time looking up in books to even finish this letter, so I will try to bring out a few observations which I have made.

You may have spent several years in advanced study, but this is of no value or advantage if you do not know how to study. Of course I'll admit that if you don't know how to study that you soon learn, or—well, you know what happens next.

It doesn't necessarily take a man with super-intelligence to take the medical course, but it does take one who can give up almost all side issues, throw all efforts into one channel and "stay in the buggy."

One of the most important things a pre-med should know before coming here is that he wants to be a doctor, not because some friend suggested it, but because he has within his own veins an absolute desire to help suffering humanity, no matter how much it costs of his own strength and energy.

He who hasn't this settled in his own mind had better spend a few hours of serious thinking on the subject and then think it over a few more times so there is no question as to what the outcome will be.

"No flower can bloom in Paradise which is not transplanted from Gethsemane."

PASTOR V. JOHNS IS SABBATH SPEAKER

Prayer Week Leader Addresses
Church on the Unchanging
Character of God

"Our God is a God who never changes," said Pastor Varner Johns, evangelist and pastor of the Des Moines, Iowa, church, in his sermon in the College View church last Sabbath. "New methods may be changed, but the mind of God never changes."

"It is for that reason that the New Testament cannot be separated from the Old. There are many instances in which the writers of the New Testament refer to the Old. The divine warnings given to the people of Old Testament times apply to us who live at this time."

"Wherein is the key word of Malachi. Outwardly the people had the appearance of righteousness. They conformed to God's will, but sacrificed animals that had blemishes. They did the ritual services, but their hearts were as black as night. Their sacrifices were void of God."

"The standards which God gave the people and which were lowered in the days of Malachi have been lowered to the dust in our day. The churches have forms; they have beautiful churches, beautiful music, and effective ceremonies, but they are void of the love of God. They are no longer separate and distinct from the world, but they dress, talk, and act like the world; the only difference is that their names are on the church books."

"Another way in which God's people have separated themselves from God is in the tithes and offerings. In Malachi 3:10 God makes a challenge to His people to bring the tithes and offerings, and with the challenge He makes a promise to those who are obedient in paying their tithes and giving their offerings."

"The Sabbath commandment is still another divine test of righteousness. If the Christian gives a tenth of what he has, he is more likely to give a seventh of his time. But if we give because of fear or hope of reward, then we are no better than those people of Old Testament times. They served God because they wanted the advantages which obedience brought to them. This same condition existed in Christ's time. There was strife among the disciples because of the position they wanted in Christ's kingdom. "Malachi 3:16 contains a beautiful thought of a people who stand for the fundamentals of faith and who are loyal and true, whose names are inscribed on God's records above."

"A thought that is almost beautiful, a thought that you speak not, but that you cherish within you at this moment, will radiate through you as though you were a transparent vase."

"The religion that can't be seen won't keep."

CANVASSERS GIVE CHAPEL PROGRAM

Colporteurs From Several States
Tell Varied Experiences in
Canvassing Work

Six students told of their canvassing experiences in chapel Friday. Emil Fick, leader of the colporteur band, was in charge.

Although Benjamin Hassenpflug canvassed the first day with no dinner or supper, and found a place to sleep at about ten-thirty at night, he stated that he has only pleasant memories of the three and one-half weeks he worked before going into ministerial work in a tent meeting.

Russell Valentine has been a gospel colporteur for five summers and highly recommends it, not only for the spiritual help the canvasser receives, but also financially. He earns enough each summer to help himself attend Union in the winter.

Mrs. H. W. Bass related several experiences she had while she and Mr. Bass were canvassing together last summer. She said that they always carried a number of the "Home Physician" books with them, as some of the people would want their books delivered at once.

Della Rice canvassed in Missouri last summer. She earned her scholarship selling the *Watchman* magazine. She told of the time she was stopped on the street by a policeman and told that it was against the law to sell magazines there. After she has gone with him to the office across the street and he had looked the matter up he told her it was all right for her to continue. She turned and canvassed him and several other men who were there. Another time a man walked up to her and asked her for a *Watchman* magazine. She later found that he and his wife had been Adventists, and that he was longing again to have the peace of mind he had once known.

It is interesting to work among the Mexican people, according to Theodore Gray, who told of the first time he canvassed one of the Spanish families. He received his order, and delivered it too.

How would you like to be in a strange house and have a large man with a big knife in his hand walk into the room where you were? This was what happened to Theodore Howard last summer while he was waiting for a taxi. He says that he was not afraid, though he really didn't enjoy the experience.

Each speaker testified to his confidence in the keeping power of God to care for those who are willing to work for Him, and highly recommended the colporteur work to those who wish for a deeper experience in the Lord.

"The choice reward of a true man's work is not the applause of the street which comes and goes, but the pride of them that love him."

Medical Work is A High Calling

By FLOYD ANDERSON

The call to be a consecrated physician is one of the highest callings a person can receive. What is of greater service to humanity than to be able to attend to the physical and spiritual needs? A physician following such a course in life is not only a benefit to humanity, but serves God and gains satisfaction for himself.

Sickness is one of the most apparent of the results of sin. It should be attended to by the most efficient of medical men because it is not God's purpose that humanity should suffer if there is a preventative. In most cases physical needs are not the only needs, for when a person is left alone and has time to think about the serious things of life, he realizes a sickness of soul and yearns for a cure for the malady of sin. There are few others besides the Christian physician to whom the sufferer turns with such trust and confidence as he does to the physician who has soothed his physical suffering and who can also bring him remedy for a sick soul.

The medical department is the "right arm" working in the mission field. Why is it a success? First, because Christ, the great Physician, gives us His example of ministering to both the physical and spiritual needs in His mission work here on earth; secondly, because there are consecrated men who consider the golden riches of this world but dress and put their entire energy into working for the bodies and souls of humanity.

It takes earnestness, firmness, and a continual foresight in mind to be a consecrated physician. That is the reason for our pre-medical and medical schools—to inculcate the ideals of unselfish service into the young people who will then go out to relieve the physical and spiritual suffering of humanity.

"The door to success is labeled 'Push.'"

SPRING WEEK OF PRAYER BEGINS

Speaker on Friday Evening Urges
Students to Consider Now
Spiritual Life

PASTOR JOHNS LEADS

Chapel Exercises and Prayer Bands
Are Aids in Bringing Definite
Spiritual Benefits

The spring Week of Prayer at Union college opened with the Friday evening vesper service. Only a slight change has been made in the program for the week, in that the usual schedule of classes will continue until Wednesday, when the periods will be shortened to make room for daily chapel and prayer band meetings. No meeting was held Monday evening because of the full class periods the following day. Tuesday evening began the seven o'clock meetings in the chapel, which took the place of the usual worship in the two school houses.

Pastor Varner J. Johns, of Des Moines, has been secured to take charge of the Week of Prayer. Pastor Johns is a graduate of Union, and his years of experience in the evangelistic work have given him an understanding of world conditions today, and of the problems which young people must face in living the Christian life. *Review* and *Herald* readers will remember the account in a recent issue of his work of encouraging the laymen of the Des Moines church in evangelistic efforts.

Pastor John's sermon Friday evening was based upon Ecclesiastes 12:1. "Remember now thy Creator in the days of thy youth, while the evil days come not, (Continued on page three)"

Interesting Facts About Some Vaccinations Given

By J. E. DORMAN

"Ouch! Let go of my arm!" or "Hey you, help me put on my coat," seems to be the most popular expression among the pre-medics, twelve of whom were recently vaccinated by Doctor Lovell for typhoid and para-typhoid.

It is interesting to note the number of bacilli in one of these vaccinations. There are a total of three injections. The first "shot" contains five hundred million killed typhoid bacilli, two hundred and fifty million killed para-typhoid bacilli. Each of the two succeeding injections contain just double that amount, making a total of five billion bacilli per person, or a grand total of sixty billion bacilli for the twelve people. Each of these bacilli is about .00006 of an inch long, so that if they were placed end to end, each person has injected into his arm a total of about four miles of bacilli—ouch!

"If blind to duty we are blind to beauty."

Comparisons Show Great Variation in Expenses for Complete Medical Course

By PROFESSOR MARVIN D. KNOLL

It would lead to some interesting information and possibly valuable statistics if figures could be compiled from the founding of the first medical school in Athens in 522 B. C. to the present time. Increase in cost must be expected with increase in requirement.

While visiting a hospital recently I accidentally found some information regarding the cost of a four-year medical course. Since many of us are compelled to study the financial aspect of the question, I pass on the information.

The following figures comprise reports from forty medical schools with a total enrollment of 10,947 students. Of these students 1161 passed in reports on expenditures during the year 1929-1930. The students reporting were divided as follows: 348 freshmen, 361 sophomores, 258 juniors, and 144 seniors. The data submitted by married students and students living at home will not be calculated.

It has been found that the tuition and fees varies from \$66.00 to \$610.00. Non-resident students' additional charges vary from \$10.00 a term to \$300.00 a year. The average for the College of Medical Evangelists is \$432.75.

Board and room vary from the low average of \$271.75 reported by two students at the Illinois college of medicine to the high average of \$569.45 representing the reports from Harvard school of medicine. The students at the College of Medical Evangelists average \$283.59.

The cost of medical books, instruments, etc. lies between \$66.57 and \$183.83. Fifty-three per cent of the schools reporting show an average report costing below \$100 and forty-seven per cent above \$100. At the College of Medical Evangelists the average cost is \$97.35.

Clothing and laundry vary from \$61.68, University of Missouri (only three students), to \$178.61 (forty-seven reports from Tulane, Louisiana), College of Medical Evangelists average \$104.07.

The expense of travelling varies considerably, depending on the local requirements, distance from boarding places to school, professional expenses, etc. It varies from \$24.70 (Missouri) to \$140.14 (Dartmouth, New Hampshire); College of Medical Evangelists, \$66.24.

Recreation costs from \$20.86 (Women's Medical College of Pennsylvania), to \$153.53 (Dartmouth College). At the College of Medical Evangelists, the average cost is \$30.38.

The lowest for miscellaneous items is \$23.43; while the average high report is \$130.37 (two students). College of Medical Evangelists reports \$35.71.

The average total cost for students reporting is \$1716.75 (Dartmouth) and \$1621.75 (Howard), to \$811.63 (Augusta, Georgia). The College of Medical Evangelists shows a total of \$1048.34.

The earnings vary from \$417.14 (two students at Dartmouth), and \$413.55 (Harvard), to \$41.95 (two students from (Continued on page four)

CALENDAR OF EVENTS	
Friday, March 27	Monday, March 30
Sunset..... 6:46 p. m.	Union College Glee Club..... 5:45 p. m.
Church Choir Rehearsal..... 6:45 p. m.	Spanish Club..... 6:00 p. m.
Gospel Workers' Seminar..... 7:00 p. m.	Vocal Ensemble..... 7:00 p. m.
Vespers..... 8:00 p. m.	
Sabbath, March 28	Tuesday, March 31
Men's Prayer Club (church) 8:00 a. m.	Treble Clef Club..... 4:45 p. m.
S. S. Teachers' Meeting..... 9:00 a. m.	
Sabbath School Choir..... 9:15 a. m.	Wednesday, April 1
Rehearsal..... 9:15 a. m.	Union College Glee Club..... 5:45 p. m.
Sabbath School Song..... 9:45 a. m.	Young Women's Club..... 6:40 p. m.
Service..... 10:00 a. m.	College Orchestra..... 7:30 p. m.
Sabbath School..... 11:00 a. m.	Village Prayer Meeting..... 7:30 p. m.
Church Service..... 11:00 a. m.	
Welsh Singers..... 8:00 p. m.	Thursday, April 2
	Commercial Club..... 6:00 p. m.
Sunday, March 29	Young Men's Club..... 6:40 p. m.
A Capella Choir..... 4:00 p. m.	Vocal Ensemble..... 7:30 p. m.

(Editor's Note: Dr. Underwood is a former Union college student who has finished the medical course at Loma Linda, and is now doing intern work at the Lincoln General hospital.)

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WHY A PRE-MEDIC COURSE?

The Clock Tower is presenting this week one of Union's progressive departments. The prominence given to this department is not out of proportion to the work it is doing. As stated elsewhere in this issue, the College of Medical Evangelists at Loma Linda, California, ranks third in the United States for the attainments of its graduates in National Board examinations; and Union college is an important source of Loma Linda students.

In any advanced course, such as the medical course, much depends on the quality of the groundwork that has been done preparatory to the course. That Union is giving a thorough pre-medical course is indicated by the creditable standing of her graduates in the medical school and in National Board tests.

Medical missionary work necessitates the worker's having a broad cultural training as well as technical knowledge. This training Union is giving, for her pre-medical course is by no means confined to scientific subjects but includes a reasonable amount of work in the broadly cultural lines, such as literary and historical.

The pre-medical student who takes advantage of these opportunities for broadening his education is wise, for his success will depend as much upon his personality as upon his technical training.

H. B.

Joseph an Example of The Steadfast Christian

Pastor Varner Johns, who is here during the Week of Prayer, spoke at the service Sunday evening, upon the dangers of drifting into sin.

"There is no man that is pictured for us in the Bible that is so stainless as the man Joseph," he said. "I realize that it is entirely possible for a man to drag himself in the depths of sin and still be found in the kingdom. This is made possible by the recreating power of the Lord Jesus. But a man can never be what he might have been when he stains himself with sin. We read about the prodigal's return, but it is a rare thing for one to return who has once left the love of Jesus after having known it. But how wonderful it is for one to remain true to the love of Jesus. Joseph amidst all the wickedness of his day, without the guidance of a father or the prayers of a mother, gained the victory.

"Mr. Moody has made the statement that character is what a man is in the dark. The character of Joseph is the character of one who was true when only God could know what he is doing. It is far easier to maintain our Christian experience than to lose it and then gain it back.

"We do not realize how deadly sin is. Sin has binding power. In most instances it binds one for eternity. We do not realize how hateful sin is. Sin pays its dividends in full; the final installment is death.

"Dear young people, I say with all earnestness tonight, that if you place on one side of a balance bad books, cigarettes, and every other evil influence you may think of, and on the other side place bad company, the worst is bad company."

"Christians too often trust in themselves to gain salvation instead of depending completely on God," explained Pastor Johns in the first week-of-prayer chapel talk Monday morning.

To follow up Sunday evening's talk on Joseph, he pointed out the traits of character in the life of Peter, one of the Saviour's chief apostles. "Peter," he said, "when called by the Master, immediately left his nets and followed Him, without any questions or hesitancy. Peter had great faith in Jesus and realized that He was the Son of the living God. It was Peter who answered Christ's question with 'Thou art the Son of the living God.'

"But there was something lacking in the experience of Peter. He had not yet caught the vision of the cross; he could not realize that Jesus must suffer and die for men, that the way of victory is the way of the cross.

"Young people, in order to be victorious we must have trials, polishing experiences, to take out the undesirable qualities of our characters. Like Peter we lose our grip and grope in darkness forgetting the love of Jesus. Peter lost his experience and became a backslider. As the Lord had said, before the cock crew he had denied his Lord thrice, even though he had vowed though all the world should forsake Him, he would not. We must get rid of self-confidence and live victorious lives in spite of circumstances, as did Joseph in Egypt.

"But why do we have these defeats and lose our hold on God? Is it because of

trials?" Pastor Johns cited incidents showing that trials have made the persons stronger in faith and Christian experience.

"But later we find Peter transformed, so that instead of a weak, vacillating Peter, we find a strong Peter, who declares we ought to obey God rather than men," a Peter who is not afraid of the cross, a Peter who is willing to go all the way to Calvary.

"What wrought the change? The more he beheld Jesus and saw His love, the more he saw his own insufficiency and the power of God. We must be willing to let God manifest His power in our lives and let Him have His way and say 'Not I, but Christ! It is because of His love for us that he permits trials and hard experiences to come that they may be used as chiseling and molding experiences.

"As Jacob woke from his dream of the ladder to heaven and said 'Surely the Lord is in this place and I knew it not,' so God is with us though we don't realize it. But we must come to the place where we realize that Christ is with us every moment of the day, and we shall become as Peter, transformed, one who is willing to go all the way."

New Composition Sung As Duet at Sabbath School

The songs "Hold On," "Never Give Up," and "Walk in the Light" announced to many as they neared the college building that the song service of the college Sabbath school had already begun. On the stroke of ten the officers walked upon the platform and all devoted a moment to silent prayer that God would bless the school.

The Scripture reading was given by Donald Page, and he led in prayer. An instrumental duet by Messrs. Arthur Leno and Roger Runck was a variation of the familiar strains of "I think when I read that sweet story of old, when Jesus was here among men, how He called little children as lambs to His fold, I should like to have been with Him then."

The report of the last Sabbath's meeting was a word picture of a former Unionite, in a mission field, as he recalls a Sabbath school service at Union many years before. This was in Africa, where the overflow of mission funds will go this quarter. Theodore Howard told of some of the needs of this field, and of some of his acquaintances from Africa who had been helped by missionary endeavor. This quarter's overflow will build a nurses' training school in South Africa, and will also build an administration building for the training college there—if the Sabbath schools will give enough of the means that God has given them.

Before the classes passed to their rooms, a duet was sung by Mrs. P. L. Thompson and Mrs. William Kirstein.

"The higher our ideals, the fewer our idols."

"Life is an arrow—therefore you must know what mark to aim at, how to use the bow—

Then draw it to the head, and let it go."
 —Van Dyke.

Zoology Discloses Broad Field for Scientific Study

By HENRY SPECHT

"In nature's infinite book of secrecy a little can I read."

In the first half of the last century the popular conception was that the chief aim of zoology is to furnish every animal with a name and to characterize it according to some recognizable features. It has now taken a new aspect. Morphology and physiology today dominate the sphere of the zoologist's work. For morphology, as with every other science, the mere accumulation of facts is not sufficient to give the subject the character of a science. An additional mental elaboration of this material is necessary. Such a result is reached by comparison. The morphologist compares animals according to their structures to discover their relationship. As the morphologist studies the structure of animals, so the physiologist studies the vital phenomena of animals and the function of their organs. The vital processes peculiar to organs is now believed to be the summation of complicated chemo-physical processes.

Ever since the creation nature has been a means whereby God has revealed Himself to mankind. Throughout the whole realm of nature the hand of God is clearly seen. From the minute single-celled amoeba to the large mammal, the life-giving power of God is shown.

Every great naturalist who utters his true convictions believes that some cosmic force upholds the universe. Some, however, do not like to call that super-human force God. Some think it is too simple to believe the Bible story of the beginning of life and so invent some man-made theory in an effort to explain it all.

From the beginnings of the study of the science of animal life, man has endeavored to reproduce in the laboratory what he has found in nature. Indeed wonderful things have been accomplished in the field of biochemistry. The chemist is now able to synthesize by difficult means

of the most complex molecules found in the organic substances present in nature. Yet these are very simple compared to the more complex which have not been analyzed. Since the discovery of the cell many scientists have tried to make one in the laboratory. They have been able to make the cell, but it lacked one thing—the living protoplasm. Man cannot create life.

Just recently Dr. Crile made some cells which looked like live amoeba. In fact, they do a number of things that a live cell does. They increase in size by eating or absorbing proteins out of the liquid in which they lie. One sometimes pinches in two as if divided by fusion. By manipulating the acidity of their bath they motivate by means of lobes as does the amoeba. Not only do these cells respire, but the rate changes with the health of the cells. They can be poisoned by many chemicals, while others act as stimulants. If they are really alive Dr. Crile has done something that scientists ever since the days of Greece have been dreaming of. He does not claim they are alive, however, and I believe man will never be able to create life.

The study of zoology should act as an incentive to the student to study more about God in nature. It should reveal to him some of the outstanding designs of God in nature. It should create in him a love for nature. If it does not it is no doubt because he has not applied himself properly. The person who cannot see beauty in nature must have a perverted sense of beauty, if he has any at all. One of the most beautiful sights I have seen is the wing of a butterfly under a microscope. It consists of numerous scales overlapping each other as the shingles of a roof, and the combination of colors is wonderful.

Few of us are acquainted with even the common things about us in nature. For instance, how many could recognize the Monarch butterfly, which is so common everywhere? How many could distinguish the Viceroy from the Monarch, which it mimics for protective reasons. How many have ever seen the bright colored swallow-tailed butterfly or the Cecropia moth, which is responsible for much of our silk? How many can name and distinguish at least twenty different species of birds? Do you ever stop to think when you see a spider's web how it was made and how a spider can walk across it without getting caught when any other creature would? Has it ever occurred to you how many bees sacrificed their lives to furnish you with one bite of honey? Have you ever noticed the great strength and wisdom of the common ant? We can surely exclaim as did the psalmist, "O Lord, how wonderful are Thy works."

Several churches were visited last Sabbath by members of the Gospel Workers' seminar. Lowell Welch, assisted by Gideon Kruger, conducted services at Cortland. Mr. Welch's topic was "Submission." R. R. Beitz, assisted by Jacob Walcker, spoke at Beatrice on "The Everlasting Kingdom of Christ," basing his sermon on Daniel 2. Special music consisted of two duets by Mr. Beitz and Mr. Walcker.

INDUSTRY IS NEEDED

Must Early Consider the Place We Are Going to Fill in Life

"When we come to the serious years of life, the time when we must begin to think of our future work, many of us realize that we have to turn around," declared H. U. Stevens, professor of Biblical exegesis, in chapel Wednesday. "We have not formed the habit of industry."

Pastor Stevens recounted the experiences of several acquaintances. Some had not shown any outstanding qualities while in school, nor did they make any distinguished achievements in the years following, but they had steady work because they were faithful in the little tasks that came to them.

The story was told of a young man in Argentina who made no success in his studies. He left the school looking gloomy and depressed. Pastor Stevens met him a year later, and with a cheery smile the boy told him of his great success in the canvassing work. He had sold thousands of books.

"Everyone of us," concluded Pastor Stevens, "must study his own abilities and find the proper niche in which to fit. If one forms the habit of industry while in school this niche can more easily be found. They who wait for an external stimulus to urge them on will never find their niche."

Many Spiritual Benefits Received by Colporteurs

"A canvasser may not be successful in winning a scholarship, but he will be successful in gaining a Christian experience," was the thought expressed in the colporteur band's second chapter of its program. "The colporteur and his personal spiritual experience," in Gospel Workers' seminar Friday evening. "A colporteur must have daily consecration. Before going to each door, he must dedicate his life to Christ," said Emil Fick, leader of the band.

"The thing that helped me most was that I knew God was with me and wanted me to sell his books," was Mr. Bass's testimony. Naomi Stringer says colporteur work pays a hundred fold. Floyd Gregerson believes that canvassing is more than selling books. The colporteur should have a message to give, he said.

If one wants a spiritual experience, one in which he can come closer to his Master, Emil Fick advises him to go canvassing.

Why Should I Take Pre-Medic Course?

By MABEL ELLWANGER

Why am I, a girl, taking pre-med? This is a question I have tried to solve for myself, especially during examination week. Why did I ever step into such deep water? I had about come to the conclusion that I didn't know. Being the only girl in most of my classes makes me feel somewhat out of line. I have always known I wanted to be a doctor, but I had never really stopped to find the reason why. Examinations are good for stimulating thought in more ways than one.

To me, the medical work has always held a certain attraction. Even my dolls were continually suffering from some dreaded malady or disease. Of course, then it was pretty easy to cure them, and I made a fairly successful doctor.

But now the word doctor has a larger meaning. Back of it there lies a science that unfolds a never-ending study—new diseases to diagnose, new medicines to analyze. My first introduction to science proved to be a successful one because I liked it.

Everywhere one can see the pitiful state brought about by sickness and disease. It is within the doctor's power to relieve suffering humanity and to give more enlightenment on the body and its care. "Others" must be the motto of the true doctor.

And where is the medical work more successful than in the opening of new mission fields? It is often spoken of as the opening wedge. Many times the only way the missionary has of reaching the heart is by first easing the physical pain. Right now, almost every Sabbath, we hear a call from Africa for more doctors and nurses. However, it must have been a story of the need of India's women that encouraged me to be a doctor.

I realize there are some disadvantages in being a lady doctor, but I cannot help that. I have chosen that line of profession because only in that will I be satisfying the desire of my heart. However, sometimes when laboratory experiments go wrong, and examinations are hard, I think I have "hitched my wagon to a star." But then I remember there is some more to that little rhyme which says, "keep your seat and there you are."

"Whatever our egotism and our rancor may be, a mysterious respect springs from events in which we are sensible of the collaboration of someone who is working above man."

Seminar Members Holding Bible Readings in City

The city of Lincoln is offering new fields of work for the Gospel Workers' seminar. According to members who are taking part in the various lines now open, there is work for every student who desires to help. To those who are not taking part in the weekly programs, Pastor Beans calls for volunteers in distributing announcements of the meetings which are still being conducted by Pastors Baer and Butterfield. They state that the distribution of these hand-bills plays an important part in the work of securing a good attendance for the meetings. The three cars of students who went last Sabbath placed about eighteen hundred announcements and one thousand tracts and copies of *Present Truth*.

Those who desire to do personal work will find opportunity in the cottage meetings and Bible studies being conducted by seminar members. These places have been found by Mrs. Gordon and Mrs. Rosendahl, of the College View church, through house-to-house literature work. The meetings will be turned over to seminar members.

Four families were represented at the cottage meeting conducted at the home of a colored family last Sabbath. Jacque Spohn gave the Bible study. Special music consisted of a violin solo by Harold Cedol and a vocal duet by La Vona Gordon and Myrna George. Mrs. Gordon, Mrs. G. C. George, and Burl Gaines, who drove his car, accompanied the group. An old colored man was visited after the meeting.

The first Bible studies to be conducted by the young women of the seminar were given Sabbath afternoon. Professor Jorgenson and Mrs. Rosendahl accompanied four young women to Lincoln. Sophia Van Buskirk and Ramona Ellis visited a colored family, where Miss Van Buskirk gave a Bible study on creation, and Miss Ellis told the children stories. The stories preceded the study, and so aroused the children's interest that they listened attentively to the study and took part in it. They promised to bring in their little friends to hear more stories next week.

Two families were represented at the Spanish home where Nora Lankford gave a Bible study on "The Word of God," assisted by Bessie McCumsey. Some of the older people in this neighborhood who cannot understand English will be visited by Spanish-speaking workers. The study appeared to be appreciated, and the two ladies proposed to invite their neighbors to the meeting next week.

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Laboratory Study Shows Wonderful Mechanism of Body

By MILTON FISCHER

One does not realize how infinitely wonderful the human mechanism is until he thoroughly studies the physiology of its different parts. Taking a little trip with the student as he proceeds with his laboratory course would be one way to get a smattering of knowledge about the human body. When school begins and the student settles down to work after a summer of play or work, such as his case may be, he is full of vigor and usually does his work with great zeal. First he works for about six weeks with a microscope studying the various tissues, bones, and cell structures. This is very interesting work and develops great patience. This observation along with the drawing of the observations develops some great artists (the laboratory assistant often wonders why more folks don't draw comics for the colored section). The microscope reveals the wonderful perfection of even these minute portions of the body. Then after the student has become an efficient microscopic technician he begins work on the kynograph (a device for measuring muscle contraction and relaxation periods). A white paper sheet is placed on a large revolving drum and then blackened by revolving the drum in a bunsen flame which has a minimum of oxygen supply, thus depositing carbon on the sheet. When this has been completed the drum is placed on the kynograph proper and it is ready to be used in recording various muscle contractions. The blackening of the sheet is very sooty work and it usually suits (soots) everyone. The student next proceeds with the study of the sheep's brain is almost identical with the for the undesirable smell of formaldehyde in which the specimen is preserved. It is very irritating to the nose and eyes. The sheep's brain is almost identical with the human brain. Something which might be mentioned at this time is laboratory quizzes. (These are little slips of paper on which the student places a virtual image of his gray matter.) Quizzes come frequently and are often quite a matter of concern to the lazy student, but the industrious student usually appreciates the opportunity to tell the assistant what knowledge he has acquired.

When all is done the student can realize to a fuller extent the valuable information he has acquired from his laboratory work. Then it is that the student realizes with wonderment the greatness of his Creator who created all things perfect even to the smallest micro-organisms.

ORCHESTRA IN CONCERT

(Continued from page one)

The string trio was scheduled to play in the concert but did not appear, because of the illness of Mrs. Hayden. Gladys Munn played the accompaniments for the orchestra and Catherine Turner for the Treble Clef club.

The personnel of the orchestra is as follows: First Violins: Hazel Kipp, La Merne Walker, Theodora Ridgeway, Franklin Jepson, Harold Cedol; Second Violins: Lyle Freemeyer, Helmut Wakeham, Robert Heine; Cellos: Dr. Cecil Lovell, R. Wakeham; Basses: Idamae Nelson, Lamont Thompson; Clarinets: George Thornton, Margaret Nelson; Saxophones: Joyce Hall, Wilfred Emery, Dallas Strawn; Baritone: Arthur Leno; Trumpets: George Emery, Delbert George; Trombone: Roger Runck; Tympani: Gordon Sturdevant.

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ENSEMBLE TO SING

Great Britain's Famed Organization To Appear in Concert Here

Great Britain's "greatest male ensemble," the renowned Welsh Imperial Singers, under the celebrated master conductor, R. Festyn Davies, will appear as the fourth lyceum number at Union college Saturday evening, March 28. The ensemble is making its first American tour during the concert season of 1930-31. Union college was able to secure the chorus only by a fortunate turn in the engagements of the organization.

The ensemble has had the distinction of a royal hearing. The Duke of York exclaimed when he heard them at that time, "A credit to Wales. A wonderful party." Lloyd George, ex-premier of England, said, "I have heard the greatest singers of the world. This band of singers is different. Old melodies were new—because they were in the hands of a master." Sir Dan Godfrey, said to be one of England's greatest musical geniuses, says of the singers, "I don't remember ever hearing a finer combination of male voices."

The Welsh singers have sung before more than three million people in Europe in five years. They have been touring in the United States since September and from Chicago and other large cities comes enthusiastic praise of the work of the chorus. Each member of the chorus is a noted Welsh soloist and the conductor is said to be one of the truly great directors of the generation.

Says a music critic writing in the Chicago Tribune, "They go in for singing as such, with no attempts to be a human orchestra, to imitate a pipe organ, or do any of the queer things that some modern choruses like to go in for. They are good at projecting English, and just as good, I suppose, at Welsh, though I claim no authoritative knowledge of that tongue."

"The program was of glees, folk songs of the British Isles, part songs, and choruses, with a pronounced if not entirely explicable passion for the works of the late Charles Gounod. The audience liked his 'Bye Babylon's Wave,' but it gave signs of liking better a song of the sea, author unknown, full of yo-hos and ha-ha-ha's. My preference was for 'Bonnie Doon' and 'Killarney.' They were charming. Conductor Davies is evidently both an able musician and able trainer.

"Choruses were interspersed with soloists, among them Henry Jones, who sang the 'Credo' from *Othello* in a way that showed that the English language and Verdi's music do not the slightest violence to each other, incidentally displaying a voice that would compare favorably with the most of those who do the excerpt in Italian. Other individual artists included Jack Newbury in the bass solo from Mozart's 'Magic Flute,' Harry Williams in a tenor solo from Dr. Parry's 'Blodwen,' and Jabez Trevor and Howell Williams in a duet again by Dr. Parry."

The personnel: Harry Williams (Bethesda), D. Morris (Trawsfynydd), Emrys Jones (Abercynon), Elwyn Edwards (Gwersyllt), Watkin Edwards (Rhosllanerchrugog), Jabez Trevor (Tryddyn)—tenors; Hywel Williams (Abergele), Henry Jones (Conway)—baritones; and R. J. Williams (Rhostryfan), Jack Newbury (Swansea), Ullam Hughes (Ffrith, Wrexham), and E. M. Wrench (Gardolbenmaen)—basses; and Norman Evans, (Summerhill)—pianist.

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Likes and Dislikes Revealed in Lab

By J. ELDON DORMAN

In a recent laboratory "quiz" in organic chemistry an effort was made to find out what the students liked or did not like about their laboratory work. Here are a few of the answers which were received.

Three students mentioned that what they like best is to watch the reactions take place, while several more like the practical side of the course, that is, the making of things they had heard about all their lives.

One girl likes to prepare ether, chloroform, and ethyl iodide. She also enjoys unknowns, and the fact that she is always afraid that something is going to blow up. Another likes the laboratory work because it helps her see the principles involved in organic chemistry. She also likes to compare her yield with the theoretical yield and adds, "It is disgusting when things don't work out right."

One student likes the new hood and the fresh air that is available, while another says the windows do not provide enough fresh air, while at the same time they blow out his Bunsen burner. A girl says she likes the breeze because it brings her relief from the odors across the desk.

A boy says he likes organic laboratory because it is a place where one learns to follow directions. On the same subject another says he knows what will happen if the right steps are taken, but he also says, "If the right steps are not taken, I know better next time."

One student says that what he likes best about the laboratory is the position of his locker, while another student in practically the same position doesn't like his locker because of the frequent shower baths he receives from the near-by water tap.

One boy says he doesn't think enough time is allowed to do the work, but in contrast to him another believes that the making of various compounds carries with it a spirit of adventure and that the work creates a desire to be efficient in order to get the work done in the required time. There is yet another student who says he likes long busy laboratories with long experiments because they develop an iron nerve or else shatter the ones that one already has.

There is one student who says he dis-

likes the unnecessary noise, the crowding, and the way some students work, but enjoys the practical work, the seeing of results for his work, and the proof of classroom theory by experimentation.

"Another student says he doesn't like it 'when somebody turns loose some bad smelling dope' and concludes, 'I never was a washer woman, and I don't like to clean apparatus.'"

There are, according to one student, three reasons why he likes organic laboratory: First, he likes the situation of the laboratory because it impresses upon the mind of the people in the building at higher levels that the embryo chemists are really doing something; secondly, he likes the idea of having a lot to do so at the end of the period he can see how far short he came of accomplishing the assigned task, and thirdly, he likes "best of all an explosion that blows the apparatus to pieces, ruins the experiment, but does no further harm."

"In the old days we thought a man was shiftless if he lived from day to day, consuming today what he earned today. Now, our problem is to curb the man who is consuming today what he will be earning six months from now."



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WEEK OF PRAYER BEGINS

(Continued from page one)

nor the years draw nigh, when thou shalt say, I have no pleasure in them." The speaker called attention to the fact that this text sums up Solomon's spiritual experience. "The great king, who had said, 'I gave my heart to know wisdom, and to know madness,' realized in his old age that true happiness is not found in pleasure seeking, in drinking, and revelry.

"Remember now thy Creator.' Unless we gain a real Christian experience in our youth, we may pass the danger line. The majority of conversions come well under the age of twenty-five, statistics show. It is so easy for an individual to say, 'Not just yet.' Such persons lose their desire to live the better life as they grow older and see the pleasures of the world.

"It is dangerous to delay. Now is the time to decide."

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THE PARTY LINE

William Kuehl and Donald Madison have recently moved into South hall.

Dorothy Davis left school Thursday. Miss Davis was forced to leave Union because of ill health.

Donald Hartwell has been absent from classes for some time on account of a recent tonsilectomy. He is recovering rapidly and will return to classes this week.

Harold Showers moved into South hall last week and will take up the work which he was obliged to drop a few years ago on account of the illness of his mother.

Pastor Albert Kruger and his wife were guests in South hall last week. Pastor Kruger addressed the boys briefly on Sabbath morning during the worship hour.

Mr. and Mrs. Evans, of Marsland, Nebraska, arrived in College View Friday afternoon. Mr. Evans spent the week-end here and Mrs. Evans will be here with Theone for some time.

South hall boys played indoor ball from five forty-five until six-fifty Wednesday evening of last week. After the game they met in the worship room for a song and were dismissed to their rooms.

Mrs. Gernet has taken charge of the care of Hallie Updyke in her illness, so that Miss Petty, regular nurse, will not miss so many of her classes. Miss Updyke is still very ill, although a slight improvement is shown over last week.

Misses Atwater and McQuerrey received pins from the Gregg company as awards for reaching a speed of sixty words net per minute on the typewriter with five or less errors. Miss Edna Sells received a certificate with honorable mention for her typing attainments.

Earline Taylor and Marion Busse entertained a group of friends at an informal afternoon party Monday. Those present were Evelyn Busse, Marie Olsen, Sue Russell, Hazel Heinsman, Norma Hilde, Dorothy Foreman, Walter Howe, Alvin Hartzell, Harry Peterson, Harrison Evans, Vernon Becker, Bert McBroom, and Alten Bringle. The afternoon was spent in playing informal games and the hostesses served light refreshments.

Professor and Mrs. Stanley Ledington entertained at a dinner and social evening in their home Wednesday, the vocal students of the Union College School of Music not residing in the dormitories. Those present were Lilah Baer, Esther Nelson, La Vona Gordon, Willie Dee Wilson, Doris Kirstein, Ruth Nelson, Eldarita Leslie, Elmer Schmidt, Harold Cedol, Frank Baer, Calvin Gordon, Dale Strawn, Richard Gibson, Walter Carrol, and Burl Gaines.

Marion Paap went to Omaha with her parents Friday.

Wendell Graham, of Oak Park Academy, Nevada, Iowa, was a business caller at Union college.

The South hall improvement fund is still growing and a committee is working on plans for improvements.

David Eickhoff, who recently underwent an operation for appendicitis, is again in South hall and is recovering rapidly.

Pastor Varner Johns, pastor and city evangelist of Des Moines, Iowa, is assisting during the spring Week of Prayer. He is staying in South hall.

According to the state weather department, Nebraska has had a "zero-less winter." The lowest temperature reported this winter was two degrees above, according to a report published in the *Lincoln Star*.

Theone Evans sang "There's a Lark in My Heart" as the opening number of the Philomathian society Tuesday evening. After readings by Miss Keith and Myrna George, the society went to the science room where they saw moving pictures showing the progress that has been made in the rural districts of the United States in the last fifty years.

At the regular Thursday evening meeting held by the Gospel Workers' seminar at the state reformatory, Walter Howe explained the last part of the seventh chapter of Daniel, showing how perfectly the prophecy was fulfilled by actual happenings. Special music was a duet by Hazel Brebner and Doris Kirstein, accompanied at the piano by Mrs. Kirstein.

The young women's club meeting held March 18 was in charge of the sophomore girls of North hall. Sue Russell introduced the program with a talk on the class which is an ever-present group and a necessary as well as a vital portion of the college. Mary Hannah Thompson played a piano solo, "Rustle of Spring." Viola Christensen gave the current news topic for the evening, speaking of the Russian situation. Ruth Johnson and Olivia Harder, accompanied by Ada Townsend, sang a duet.

A practical joke by a resident of South hall turned out to be a boomerang Wednesday evening. One of the boys hid an alarm clock in the worship room timed to go off at the close of the worship period. Exactly at seven o'clock the bell chimed its rousing ring. Dean Nelson, after a short search, discovered the location of the clock and immediately proceeded to auction it off to the boys. Rapidly the bids rose from ten cents to forty three cents. It is still a question who donated the clock, but Walt Howe is the owner of it now.

COMPARISONS SHOW VARIATION IN EXPENSE

(Continued from page one)

the University of North Carolina). Sixty-seven students of the College of Medical Evangelists report an average of \$401.57.

The following is a comparison of the average of forty medical schools in the United States with our own school at Loma Linda and Los Angeles: Tuition and fees—average, \$298.60; cost at our medical college, \$423.74. Instruments and books—average \$105.68; at Loma Linda, \$97.35. Room and Board—average, \$388.54; College of Medical Evangelists, \$283.59. Clothing and Laundry—average, \$137.30; our college, \$104.07. Travel—average, \$71.63; our medical school, \$66.24. Insurance and Interest—average, \$77.45; Loma Linda, \$53.68. Recreation—average, \$76.63; our medical college, \$30.38. Miscellaneous—average, \$62.22; cost at Loma Linda, \$35.71. Total—average, \$1163.05; at College of Medical Evangelists, \$1048.34. Earnings—average \$283.48; at our college, \$401.57.

It is interesting to note that the College of Medical Evangelists ranks third in total number of successful students taking and passing National Board examinations.

An examination of the average annual expense for each major item according to class periods shows that tuition and fees are apparently highest for freshmen and lowest for seniors. Sophomores pay least and freshmen most for medical books. Sophomores seem to spend least and seniors most for board and room—although this does not vary appreciably. The freshmen spend least for clothing and laundry, while seniors spend most.

The total expense seems to fall lightest on sophomores and heaviest on seniors. There is a wide variation of expenses, \$424.99 being reported by one freshman, to \$2839.80 for one sophomore. The median for all reports is \$1120.86, the average \$1163.05. Board and room call for 33.4 per cent, and tuition represents 25.7 per cent, making a total of 59.1 per cent.

In 1920 it appears from statistics that tuition and fees have increased most, more than 50 per cent. Books and instruments now cost about 50 per cent more than in 1920. The total increase now over 1920-1921 is approximately \$275.00 a year.

Mrs. Hilts and College Trio Give Lyceum Number

The lyceum association of Shelton academy at Shelton, Nebraska, presented as a number on their regular course Ivamae Small-Hilts, reader; Gwendolen Lamphire Hayden, violinist; and the Union College string trio. The trio is composed of Hazel Elsie Kipp, violin; Gwendolen Lamphire Hayden, viola; and Mary Hannah Thompson, piano.

Their program Saturday evening was enthusiastically received. As an opening group the trio played "Gavotte," by Grosse; "Ou bord d'un Ruisseau," by Rene' de Boisdeffre; and "Moment Musical," by Schubert. Mrs. Hilts opened her portion of the program with the humorous

selection, "A Pair of Lunatics," by Walkes.

The trio used as their third group Beethoven's "Farewell to the Piano," and "Andante (from Concerto in D Minor)," by Bach. The "Valiant," by Hall-Middlemass, was Mrs. Hilts' second presentation. Mrs. Hayden played "Maiden's Wish," by Chopin-Macmillan; "Waltz in A Major," by Brahms-Hachstein; and "Serenade du Tzigane," by Valdez, as violin solos.

Mrs. Hilts read "When Ignorance is Bliss," by Fielding, after which the trio closed the program with two numbers from String Quartette op. 192, by Raff: "The Miller's Sweetheart" and "The Mill."

In the Sabbath afternoon Missionary Volunteer meeting Miss Kipp played a violin solo. After the program Saturday evening, an informal, supplementary recital was held for the girls of the academy in their parlor. Mrs. Hilts read, Mrs. Hayden played a violin solo, and the trio played. The pastor of the church at Shelton has a weekly period of broadcast from station KGBZ at York, Nebraska, and Sunday morning he presented the string trio to his radio audience.

SISTER SCHOOLS

SOUTHWESTERN JUNIOR COLLEGE

President Kellogg, Mr. Woodward, Mr. Hanson, and Mr. Carter went to Oklahoma City to attend a board meeting last week.

The afternoon home economics class entertained the morning class with a hike and picnic on Wednesday afternoon.

The astronomy section of the Nature club has been meeting at night and studying the moon through the telescope.

The Keene Knights entertained at Improvement club on Thursday night in West hall.

A student recital was presented in the college auditorium on Saturday evening. "Smile," was the first number on the program, given by the glee club. Coleen Patton, Doris Ebner, Loetta Garver and Ruth Reed played piano solos. Frances Frisby read "Billy Brad and the Big Lie." Laura Howell, L. G. Small, and Alice Mae Crutcher sang solos. "Kentucky Philosophy" was a reading given by Ruth Lovan. The college orchestra played three numbers in closing.

Elder Ferren, of the Pacific Press, showed pictures of the interior of the Pacific Press Publishing house in the auditorium Monday evening.

Elder Wesley Amundsen spoke to the young people in the mission band meeting on Friday evening.

The Modern Language department, under the direction of Miss Blanche Gilbert, presented a program in the college auditorium consisting of dialogues, songs, and readings in the various languages taught by the school.

At culture club on Wednesday evening a miscellaneous program was presented. Dorothea Weiland sang, "Dream Ships," and Elizabeth Mosley, Clara Fick, Ada Penn, and Ouida Cloninger gave readings. Alvina Reisig and Lucille Wagner sang a duet as the closing number.

Commercial Head From Lincoln School Speaks

Mr. W. J. Bryant, head of the commercial department of the Lincoln School of Business, spoke at the Commercial club March 19 on the subject "Modern Business and the Modern Business Man."

"There never was a better opportunity than there is now for the young person to find success in the business world," said Mr. Bryant. "We are living in a highly organized world where things are done very rapidly. The business man must be alert. He must be able to think and to analyze. The young man or woman who enters business today must have a more thorough training and more education than was formerly necessary."

Mr. Bryant told of the changes which have been taking place in the business world through the years. He told of the invention and introduction of the telephone, the telegraph, the adding machine, the posting machine, and the typewriter into the business world.

"For years people have realized the need of education and training in the professions of law, medicine, and ministry; but training for the business man has been the last to come. Men now realize that in order to get anywhere in business, one must be a thinker. Young people must be taught to think and to analyze. Any subject taken in college which teaches one to think or to analyze will be of value to him in his business training," said Mr. Bryant.

Men's Club Sees Film On Modern Farming Progress

The "Yoke of the Past," a General Electric film, was presented at the regular meeting of the young men's club Thursday evening. It portrayed the progress that has been made in doing farm work. Tractors and modern machinery have taken the place of hand tools for tilling the soil.

Water was carried from a nearby stream or spring by means of a yoke placed across the shoulders from which the buckets were suspended, "the yoke of the past." Water no longer has to be carried from the spring or even pumped out in the yard. Electricity provides running water right in the house. It is no longer necessary to wash the clothes of the family on a board. Even the hand-power washing machine is a thing of the past. In this modern age the aching back and blistered hands are relieved by the electric washer and iron.

Turning again to the field, one finds that we don't beat the grain on the ground floor to thresh it, and the treadmill and steam engines which operated the threshers have gone. Instead we use a portable electric motor to give more efficient service. Hay is carried into the barn by an electrically operated hay fork. The cows are milked by electric milking machines and the milk is separated by electric cream separators. Churning is no longer drudgery as it was in the past.

Farmers recognize the fact that electricity is valuable to them and are making use of it. Individual plants have been installed and power lines form a network over the country.

Weekly Review of World Affairs

BY HAROLD LINCOLN

Mahatma Ghandi, accustomed to adulation and worship, and commanding the respect even of his British antagonists, on March 17 heard jeers, hoots, hisses, and catcalls from a labor audience at Bombay. Communists taunted him with failure to provide for release of labor agitators in his truce with Lord Irwin which led to abandonment of the civil disobedience campaign, and charged him with betraying the workers.

The sealer "Viking" exploded at sea in the ice-choked White bay off Newfoundland Sunday, March 15. The number of dead and unaccounted for reached twenty-eight.

The slaughter of three thousand peasants at the Hueph-Szechwan border has been reported. This portion of China is near where Mrs. Vera M. White and Mrs. Victoria Marian Miller, Seventh-day Adventist missionaries, were slain.

As a result of a long trans-Atlantic telephone conversation, Secretary Stimson announced it would now appear necessary for the United States to participate in the work of drafting the Franco-Italian naval accord. The new Anglo-French-Italian naval agreement is to stand as a strictly European matter. Its formal drafting will be started March 18. Neither Morrow nor any other representative of the United States will be present officially or unofficially, and neither will Japan be represented.

Col. Umberto Maddalena, famous Italian flier and finder of the dirigible Italia survivors, Cecconi and Damonte, was killed March 18 when his seaplane fell into the sea.

Miss Christabel Pankhurst, daughter of Emmeline Pankhurst, noted British militant suffragist of the last generation, believes that the second coming of Christ is at hand. She is confident it will occur in her lifetime. Her faith is based on the fulfillment of prophecies first uttered by Moses and reiterated through the Bible to the end of Revelations. Rather than violence and destruction, Miss Pankhurst believes, the return of Christ will mark the beginning of a millennium of perhaps a thousand years in which He will rule the world—an age of such peace and progress and splendor as the earth has never seen.

Climbing more than five and one-half miles over Jersey and Manhattan, Ruth Nichols, Rye, New York, flier, set an unofficial altitude record for women. Her altimeter showed nearly 30,500 feet.

Under explicit instructions from President Hoover, Secretary of State Stimson has issued an order to all American diplomatic and consular officers directing them to refuse visas to persons holding diplomatic or special passports for entry into Soviet Russia. No American official on official business or otherwise, or private individual entitled to the courtesy of a special passport may use it even to cross Russian enroute to another country. Any member of Congress entering Russia would do so at his own risk, it was pointed out.

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