

## Historic And Natural Beauty Of Copper Country Revealed To N. S. T. C. Travelers

Enjoyed Trip Through Copper Mills and Over Brockway Mt.; Explored Fort Wilkins.

A party of adventurous travelers reports a most delightful experience in an exciting trip to the Copper Country. Included in the party were some who had made the trip many times and some who had never been near this interesting region before, but one and all were enthusiastically agreed upon the beauty and educational value of the excursion. The worth of the experience was enhanced by the fact that Mr. Lee, who conducted the tour, is appreciatively familiar with the beauty of the country, the interest of its occupation, and the splendor of its view.

The party left Marquette in high spirits on Friday afternoon at two o'clock. The first stop was Houghton where the eager sightseers stretched their cramped limbs and satisfied their appetites. After a dinner the party moved on to Lake Linden. Here they enjoyed the fascinating trip through the copper mills. The advantage of having a popular guide showed itself plainly. Mr. Lee knew the workers and received the utmost cooperation in showing the plant and explaining the process of milling copper. The group was taken through the stamp mill to the elevated railway, from which point the interested might trace the process of separating copper from the imprisoning rock. The long sweep of track covering the four miles from Calumet to Lake Linden and rising in a 300-foot grade, was an interesting sight from this vantage point. The copper-bearing rock is guided down this slope in cars which enter the mill and deposit the rock in a slope-sided bin. Through the aperture in the bottom of the bin the rock is guided into a large metal tank called a jigger.

An interesting detail of this process is the monotonous job of the man who sits eight hours a day, how in

## ABBAS CONCERT PLEASES CROWD

Music Interspersed With Bits of Humor and History.

Music, instruments, and costumes of the eighteenth century were delightfully interpreted by Mr. and Mrs. Phillip Abbas in one of the most interesting programs ever presented at Northern State Teachers College. The audience was entertained for almost two hours with a choice selection of pieces played on the viola-da-gamba accompanied by the harpsichord. A charming surprise was the appearance of Mr. and Mrs. Abbas in authentic costume of nearly 200 years ago. Mr. Abbas humorously displayed his own gay attire and then gallantly presented his wife's costume as the thing of interest. He explained that Mrs. Abbas's gown was worn at a ball given by George and Martha Washington. A graceful bit of lace about the lady's neck belonged to Martha Washington herself.

Mr. Abbas interspersed choice bits of humor and history with his music. He cherishes his viola as one of the grand old instruments of the eighteenth century and a possession of the Mozart family. Mr. Abbas gave his audience an understanding of the nature of a viola-da-gamba. He insisted that there be no confusion of the original viola-da-gamba with the modern viola. The viola-da-gamba was the instrument par excellence of the nobility in the early centuries of music. Shakespeare mentions it frequently in many of his writings. The viola-da-gamba belongs to a different family from that of the violin and cello. It has descended from the lute as is evidenced by its shape and quality. The viola-da-gamba has six strings and its tuning has remained the same for nearly 1000 years. It is smaller, less robust, and more nasal in quality than the modern viola or cello. For this reason, it is not as popular in concerts today with their large auditoriums and consequent need for volume. The modern viola, which the artist considers but an overgrown violin, is better suited

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hand, scraping out the rock which might clog the opening. Here is truly a lesson in patience and persistence. This job was formerly allotted to an old man no longer fit for hard physical labor. Since the number of able-bodied unemployed has increased so alarmingly, young and strong men are employed at this weary task.

In the jigger the rock is crushed by a huge piston extending through three floors and operating a massive metal shoe which is steadily comminuted up and down, at the same time revolving slowly. A stream of water, forced into the container from Torch Lake near by, washes the crushed rock slowly through the grated bottom and out into large flat tables. Here the slow steady action of the water and movement of the table coaxes the heavy copper into a straight line across the table, leaving the crushed rock to waste. The moving line of copper drops into a trough where it is collected.

Another fascinating process was the almost superstitious manner in which deposited in a huge tank of water constantly agitated. A coating of fine tar is spread on top of the water. The agitation whips the oil into a sudsy foam. By some strange unfathomable freak of Nature, the copper collects in the foamy bubbles which are continuously removed by a mechanical scraper. The suds drops onto a large drum where it is dried, leaving a fine, smooth deposit of copper.

The reclamation process is not in operation now. This part of the work has been eliminated through the functioning of the N. R. A. code. Due to limited production provided by the code and with the intention of employing more men in the mines, only freshly mined copper is milled. The reclamation of copper from the sand in the tail race is sufficient to supply work for seven years.

The high-light of the excursion for most of the sightseers was the trip over Brockway Mountain along the beautiful newly built drive. All were impressed and awed by the magnificent panorama which stretched around them on all sides. From this elevation, which is 1244 feet above sea level, the wide expanse of Lake Superior was visible with seven steamers playing their way over its surface. The view on the other side was just as thrilling. Looking down a 100-foot drop one could see a beautiful stream winding its way along the valley below. Beyond rose the backs of other mountain ranges. Two lovely little lakes added interest to the landscape. If the whole-hearted enthusiasm of each and all is any indication, the scene was glorious and awe-inspiring. A dark, menacing storm appeared over the lake, lending its touch of drama yet not approaching too close for comfort.

The travelers moved on to the historic beauty of Fort Wilkins, exploring the old buildings and reliving its history. Here, one group lost itself in an entrancing little curio shop while the rest of the party went on to explore the canal at sunset. The beauty of the sheltered harbor with its picturesque lighthouse and natural scenery remains as one of the lovely pictures of the country to those favored few who were able to view it. The curio yielded interesting souvenirs to compensate those who could not see this spot.

Coming back from the point a delightful scene thrilled the adventurers. The rain was pouring down hard and fast and the sun was shining just as vigorously as on the brightest day in June. This unusual phenomenon produced a dazzling light on the movement which almost necessitated stopping the cars. Fascinated members of the excursion party reported it as strange as being in a sparkling shower of diamonds. Then the hail came down with vengeance, followed by a radiant rainbow.

A well contented party drove home Sunday morning through their fleecy blanket of fog which threatened and yet enchanted. The excursion was acclaimed by all as well worth while for its beautiful pictures as well as its valuable information about the Upper Peninsula.

## CALENDAR

Thursday, July 26  
10:00 A. M., Assembly  
Three One-Act Plays by Dramatic Production Class

Thursday, July 26  
6:15 P. M.  
Baseball—Faculty vs. Browns

Saturday, July 28  
7:30 A. M.  
Excursion to Grand Island and Pictured Rocks

Thursday, Aug. 2  
10:00 A. M.  
Commencement, August Graduates

Thursday, Aug. 2  
1:00 P. M.  
Examinations Begin.

## Dramatics Class Presents "No-Count Boy", "Song of Solomon", "Grandma Old-Style"

Summer School Thespian Stars Entertain in Comedy, Drama, Tragedy.

The Dramatic Production class has been working full speed at and will be given at various times in the near future.

The first group in the series will be given at the Assembly program on Thursday, July 26, at 9:55. It consists of the following: "The No-Count Boy" by Paul Green, "The Song of Solomon" by Mark O'Dea, and "Grandma—Old Style" by Walter Prichard Eaton.

"The No-Count Boy" is an unusual drama played by four dark characters. It depicts negro exaggeration, imagination, and ignorance. You will be kept busy following the experiences of Phellic, the seventeen year old girl, Enos, "her benighted lover," "the no accountant boy ever was seen," and "the old woman."

The cast for this play follows: Phellic.....Thalia Campbell Enos, her beau.....Martin LaVillette "The No-Count Boy".....Wallace Neault An Old Negro Woman.....

Doris Waring  
The author of this play, Paul Green, has spent almost all of his life in the region of North Carolina, about which he writes so realistically. He is, perhaps, America's foremost writer of folk drama. Two of his best known plays are "The Field God" and "In Abraham's Bosom."

The second play, "The Song of Solomon," shows the tragedy brought about by man's selfishness in his mastery of the soil—a heavy burden to recognize the tremendous part enacted by women. The type of domestic conflict presented in this plot is more of the past than of the future—thanks to progress.

The very difficult role of Mrs. Mary Sykes is taken by Miss Lydia Artz of the Marquette High School faculty.

The remainder of the cast is as follows: Solomon Sykes, a farmer.....

Paul Keeton  
Mrs. Smithus, sour and peppery.....  
Elna Kenny  
Mrs. Bamberger, motherly and genial.....Margaret McGuire  
"Grandma Old Style" is an American comedy. The story might take place in any household where there is a pair of fun loving young people of seventeen and eighteen years, a pair of interesting grandmothers, and some concerned parents.

## MALLOCH GIVES ENJOYABLE TALK

Poems Are Examples of His Optimistic Philosophy.

Last Thursday at assembly hour we were entertained by Douglas Malloch, "the poet who makes living a joy." He was introduced by President Pearce as an excellent entertainer, an exemplification of a fine American citizen, and a loyal friend to the boys and girls of our country. He was born in Michigan, and although he has long lived in Chicago, he is somewhat Michigan's poet.

Mr. Malloch read many of his poems, interspersed with bits of his sparkling wit and sense of humor. The first poem was one he had written in Illinois—a poem on Lincoln. This was followed by one in dialect, "I Ain't No Coward," and then another, "The Blotted Page."

Grandma Bowdoin is 70. She is humorous, a bit acid, but lovable. In spite of her age, she is most interesting not feeble. Her sweet understanding makes you like her from the start. This play is played by Dorothy Wiggins.

Irene Giacchino is the 65 year old Grandma's Clerk. She is the kind who is going to show Father Time where he gets off!

Bessie Clark, interpreted by Elizabeth Gibble, is a fascinating club woman—the kind who goes about giving speeches and loving it—in spite of the fact that the nervous strain is almost wearing her out. Richard Finnegan, as John Bowdoin, the father, finds his greatest difficulty in dealing with his headstrong offspring.

Willie Bowdoin (Maurice Richards to us) is the prep school boy of 17 who divides up with the family Paekard—in spite of his mother's warning—simply because he can not take this "dame out of the old tin can."

Mildred Bowdoin, a pretty, naive little girl of 17, is being played by Rita Johnson.

The last play will be given during regular class hours. Anyone who is interested is most cordially invited to attend.

On Friday afternoon at 2:05 "The First Dress Suit" will be presented. All sorts of difficulties can be experienced on a wedding day. It is about these experiences that this clever little comedy has been written.

The following members of the class are to appear in this play: Teddy Harding.....Harold Simpson Mrs. Harding.....Doris Cardew Betty Harding.....Marjorie Matson Johnny Drake.....Donald McLean  
The last of the series, "Saved," will be given at 9 o'clock on Tuesday morning.

Grace Way, Beryl Sprong, Edith Peterson, Saima Olsen, Elsie Karas, Ebba Ekland, and Farrell Beaucouk will have parts.

All of the plays are being coached by Mr. Roberts, head of the speech department in the college.

For the benefit of the housewives in the audience he read his poem, "Broken Dishes." The next was "Got Along Somehow Smith," which has often been heard on the WLS radio program.

He read particularly enjoyable to the audience was the dialogue poem in which his daughter, Miss Jean Malloch, participated. This was followed by bits of humor, "The Night Maw Heard the Burglar," "Me," read especially for little boys who always get the blame, and a dialect poem, "Our Occasional Bear."

The next reading was one of more serious nature, "Got To Be Another," in which he expressed his belief that there must be another world, just to straighten matters out, we've made such a mess of this.

One Mr. Malloch is always expected to read is one which is very widely quoted and is often attributed to other authors, "Today."  
"Maiden Fair" was read for the benefit of the "teen-age" (an age, as Mr. Malloch defines it, when one begins to drive a car.)  
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## CWA and FERA Students Improve Buildings And Roads Around School

Much Hard Work Has Improved Northern's Plant.

The redecorating, renovating, and general fixing-up around school has been carried on mainly under the C. W. A. and F. E. R. A. work, most of it being done by students.

In the winter the corridors of Longyear Hall, Peter White Science Hall and the Administration Building, as well as the Auditorium, were cleaned and redecorated. Nearly all of this work was done by student C. W. A. workers, who worked as efficiently and quickly as any workmen could do, besides having a good time working together. This certainly improved its appearance of the school and was evidently appreciated by the students who frequented the corridors in even greater numbers than before.

Besides the redecorating, a floor was added to the attic rooms in the Peter White Science Hall. These rooms, as well as the storerooms, are now used to store stage properties, extra chairs, etc. They were also used as a workshop by the Junior Prom decorating committee during the winter term. These rooms are quite safe to walk in now, but students who were in Dr. Lewis's classes in the Winter term can tell you of the amazing incident of a foot being thrust through the ceiling during class period one day, knocking down some plaster and startling the students. This happened while the floor was being laid in the rooms above. No one was injured but the incident did become quite a joke.

In the Peter White Science Hall all the wiring was replaced. In place of the old exposed wiring, rigid pipe conduit was installed. This not only did away with unsightly wiring but added to the safety and beauty of the rooms.

During the Spring between Spring and Summer terms the Chemistry department received some added attention when it was redecorated by F. E. R. A. student workers. Before painting the Chemistry Laboratory, however, Dr. Garby experimented with different brands of paint to find the one least susceptible to change in color on exposure to chemicals, and this was used in the decorating.

Have you noticed the new bubblers for the fountains? They are a most decided improvement to the school and a much needed one. The fountain by the General Library and the two fountains in Longyear Hall have been equipped with new bubblers.

The John D. Pierce School also shared in this fixing-up. They have a new bulletin board which is 60 feet long and 4 feet wide, long enough to post a great deal of material. The John D. Pierce teachers and pupils will tell you that the bulletin board is a very welcome addition to their equipment.

Not all the new equipment and

## FURNACE VISITED BY ENTHUSIASTS

Develops From Library To Large Scale Activities.

"Research begins in the library," 15 Northern chemistry enthusiasts were told during an inspection tour of Cleveland-Cliffs Company's Pioneer furnace in North Marquette recently.

The grads and undergrads who learned of the manufacturing processes at the "furnace," as it is called locally, were headed by President Webster H. Pearce and Dr. Lucian F. Hunt, professor of chemistry. Dr. Olson, head of the research department of the Pioneer company, conducted the group.

Books in several languages are available in the "library," from which members of the industrial research staff keep informed of developments in the chemical world.

Among the principal products of the Pioneer company, the group was told, are acetate of lime, acetic acid, acetone, U. S. P., activated carbon, benzaldehyde, charcoal and cresosols. Others are ferrous metals, hardwood pitch and tar, methanol, as well as wood alcohol and formic acid.

Three hundred men are employed

fixing-up has been for the college building. The heating plant has three boilers and the largest of these has been equipped with a modern mechanical stoker. This will save both much work and fuel. It will probably eliminate the use of one boiler. The firemen certainly appreciate this addition.

You have no doubt noticed the boys working on the roadway in front of the college. The position of the driveway has been changed and the new driveway, when completed, will be macadam, with a cement curbing. All the preliminary work is being done by F. E. R. A. student workers. The city will put in the macadam. This new roadway will be completed in the next three or four weeks. The soil that is removed is being hauled back of the tennis courts and is used to fill in the low places. The old frog pond has been entirely filled in. The frogs will have to look elsewhere for homes now.

The boys are working hard to complete this new driveway which will be an important improvement to the appearance of the college. These boys deserve a lot of credit for their hard work with pick and shovel in the hot sun in addition to carrying regular school work.

## CLEVER MOTIFS FOR DESIGNS

Interesting Exhibition By Art Class.

The art classes under Miss Spalding and Miss Ward are making some very interesting designs. The class in Color and Design under the supervision of Miss Spalding have been studying color harmony and color relationships, and the composition of color in light and in paint. They have made a repeated design from a motif suggested by an experience they had over the week-end. The ideas for these clever designs were common things—one was a mine with shaft house and stock piles, another was rocks and a bit of Lake Superior, another was a trip to Houghton, Agate Falls, etc. They were most interesting and unusual interpretations of ordinary things.

In Miss Ward's class in Composition and Applied Design the students have been making books, portfolios, and purses. The designs for these were worked out by each student, so all are different yet equally interesting.

The art classes are planning an exhibition of their work for the first part of August. They invite everyone to come up to the corridor on the third floor, where the exhibition will be held, and see what they have been doing during the summer term.

in the Marquette industrial plant, of the Cleveland-Cliffs organization.

The library being the first step, Dr. Olson told the students, he advanced to the other stages in research and production. The next step is the duplication of large plant conditions in miniature, in which the peds saw formic acid being made in a laboratory similar to the one at the college.

Large scale manufactures follows success in these experiments. A sample of each shipment of products leaving the plant is retained. In the event of a fault being discovered, the sample may be analyzed, it was pointed out.

Beech, birch and maple—hardwoods which make good charcoal—are sawed into small blocks in the mill. The company obtains logs from its own land near Munising. The blocks are loaded on small cars, run into drying kilns and made into charcoal. Twenty-four hours is required. Gas and liquid are caught and separated, with a loss of 25%, the group was told.

Three days are needed to cool the charcoal blocks, after which they are sifted and packed.

Some of this product is used in production of activated carbon in employed to remove impurities in vari-  
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JULY 26, 1934

EDITORIAL

Summer Work

SOON another school year will be over, and the students will again be scattered far and wide. Many will go out as graduates and will enter the teaching profession this fall, if they are fortunate enough to secure positions; others will continue here for the summer session; still others will take up some temporary work only for the summer, with the intention of returning to school next fall. Although jobs have been scarce during the past few years, it is certain that quite a large number of students will find such work.

The work taken up by all these students will be of a varied nature. Some will be clerks; others salesmen; and some, manual laborers. There will be others, however, who will be spending the summer in leisure and ease. Oftentimes we are inclined to envy the latter individuals but we should always remember that it is not necessary to be free from any regular employment in order to enjoy the summer, and to have the proper rest. And yet there are some students who think so. It is often remarked that it is unfortunate that we must spend the summer in some form of employment; that we ought to be free from any regular work after having spent nine months' hard work at school.

But this is not anything unfortunate. Instead, it is most fortunate that we should be thus employed. The change of work and environment will furnish sufficient vacation and rest. Besides, what greater enjoyment would we wish than just that which grows out of our very work, when we are properly employed?

It is also during the summer that we have opportunity to acquire some practical knowledge, for book learning, as we know, is not all that we need. As we increase our practical knowledge our theoretical knowledge increases in value.

For these reasons we should be glad of the opportunity to spend the summer in some worthwhile activity, in actually working, rather than simply "taking a rest."

Clocks

CLOCKS are the enemies of mankind. They make a mechanical thing of life. They make for accuracy and precision, and these elements are enemies of freedom and carefree happiness.

Thousands and thousands of years ago people didn't have clocks, and they were happier without them. They didn't have to live through the daily drudgery of a scheduled activity for every hour and minute that passed.

Life has become a machine because of clocks. Everything goes on a definite schedule. Schedules make for monotony, and monotony is no enjoyment. All around us we hear: "I haven't time for that." "There are only a few minutes left." "We must hurry; it's almost time to be there." All these things result in nervous anxiety and a dangerous nervous tension.

Just the thought of time drives some people to distraction. I know a man who takes out his watch about every five minutes to see what time it is. And he is not a timekeeper either! But he is nervous about the time. He is always afraid that time is getting ahead of him, and he wishes that he could stop it for awhile.

Clocks also cause disputes. Think of the arguments that people have every day on the subject of time! You have a date. The date is for seven o'clock. As you arrive at your girl's home you look at your watch. It is exactly seven o'clock. You are on time, as usual. However, you are met at the door, not by your girl friend, but by your future mother-in-law! And for more than one-half hour you sit and talk with her about the weather, the depression, or any other suitable subject. Finally the object of your visit calmly enters the room. "Isn't your watch a little fast tonight, dear?" she sweetly asks.

The argument which later in the evening follows, would have been pleasantly avoided if there were no clocks!

But let us go a step further than mere dates. Can you imagine a clock being used on a honeymoon? Impossible! You remember the statement: "Time stands still when I look into your eyes!" Of course it does! Time stands still on every honeymoon! If it wouldn't, there would be no honeymoon. Imagine the darling bride asking for a kiss (as darling brides always do, because they're never satisfied) and the lover saying: "Not yet, dear. Your next one comes at nine o'clock."

Then there are the years (and ages) after the honeymoon. Now the one-time lover looks into the eyes of the former sweetheart and says: "Your face would stop a clock." Also in this case we find that the argument which follows would naturally have been avoided if there were no clocks!

However, going back again to the subject of the honeymoon reminds us, of course, of the first paradise here on earth—the Garden of Eden. Can you imagine a clock hanging in the Garden of Eden? Of course not! Nobody can imagine a clock in any paradise. Eternity, we are told, is timeless; and one of the pleasant things to think about is that there will be no clocks in the Hereafter.

But what a grand and glorious thing it would be if we could have just a little more of paradise right here on earth! Think, for example, how perfect it would be if all clocks were destroyed, and nobody in this English class knew, and nobody in the whole world could tell us, when it is 2:05 p. m.!

**1934**

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This and That

"Emily Post, on the etiquette of eating corn on the cob, says, 'Attack it with a little ferocity as possible.'"  
 "A woman's promise to be on time carries a lot of weight."  
 And they were married and lived happily ever after.

"The moon effects the tide and the untied."  
 "As the income tax bureau sees us: America, land of untold wealth."  
 "Modern music takes the rest out of restaurant and puts the din in dinner."  
 "The girl who marries a man with money to burn usually makes a good match."  
 "Before marriage a man yearns for a woman. After marriage the 'y' is silent."

Mr. Lee came dashing in With his tallest self and a genial grin.  
 "What goes on in here?" asked he. "Is dramatic production! Ah!" say we  
 ('Tis a great little course with lots of fun, Plus plenty of work for everyone.)

Get up in the morning— The sky is gray— So you put on woolen To start the day. Good old Marquette weather!

Rise the next morning— The day is bright, So cotton and anklets Seem just right. Fine—this Marquette weather!

But when the night comes You never know Whether 'twill rain, Or hail, or snow. Charming Marquette weather.

"College boy's invitation to a dance: 'Come on, young, let's wiggle!'"

E. J. Young, member of Parliament, gives comfort to minorities. He says, "It is not so much the size of the dog in the fight as the size of the fight in the dog."

Eddie Cantor says: "If I've said anything for which I am sorry, I'm glad of it."

Nicholas Murray Butler: "Many people's tombstones should read: 'Died at 30. Buried at 60.'"

"Conscience is that inner voice that tells you someone else is looking."

PEDAGOGICAL EXPERIMENTS

U. P. Teachers In Van Of Progress.

The improvement of teaching technique seems to be the goal of the modern teacher, if the results of a series of interviews with summer-school students be taken as a gauge. The growing needs of changing times is seen in the desire to revise courses of study, systems of marking, and the curriculum. The "News" reporter obtained interviews with several former summer school students, and requested material regarding what was being done in schools that was new or experimental.

**Integration of Curriculum Material.**  
 One of the difficulties of the modern school system with its specialized teachers, and one that could even occur in a system where children are under the supervision of one teacher for the entire day, is the failure on the part of the educational system to aid the child in enriching his knowledge and developing his personality so that all remains on an even keel during the process. More often than otherwise the child's house of knowledge proceeds to be built with one corner completed before another corner is even started, and the first floor is completely furnished before a roof is put on.

Miss Martha M. Bauerle (Life Certificate, Ypsilanti), Principal, Washington Irving School, Oak Park, Ill., told something of what is being done in an effort to solve this problem by the Oak Park system. They are working on a plan called "Integration". The aim of this plan is to, "Find points of contact between different fields of knowledge and to place heavy emphasis on these points in organizing and presenting subject matter," and to aid the pupil in building up a well rounded personality.

During the last year, considerations of what might be done along this line have been the topics of discussions and questionnaires in panel meetings of supervisors and principals. Some quotations from reports of these meetings show the direction the movement is taking. "Concepts, methods, and procedures that were good last year may not be entirely adequate next year."

We must keep in mind the purpose of integration—to help the pupil to see life, the school, the program of studies as a whole." It seems to me we are using the integration of subjects to a great extent in our lower grades but are not speaking much of it as such." "Can it be assumed that a program of education having as one of its chief characteristics a high degree of correlation between subject fields, automatically, per se, tends to produce the integrated personality we seek? With a curriculum properly set up with vertical and horizontal articulations, there will be a saving of time, a clarity of presentation, and an application of fundamental understanding not now possible under the traditional type of independent course construction in which is offered in the elementary grades."

There is no desire to eliminate special subjects. It is felt that special subjects and special teachers are essential. The variety of opinion found by contact with different teachers is felt to be more beneficial for the pupil than to have a single teacher for all subjects. At the same time it allows a teacher to become a specialist in his field.

The work has progressed to the point where it is concluded that the school work should revolve around a "core" subject, with the social sciences being favored for the core subject. An example of this sort of presentation is that in the John Burroughs School, St. Louis, Mo. The unit consisted of the subject: European Life in Days before the Machine Age. The integration made by introducing Medieval ballads and romances in English, mystery and miracle plays in Drama, Gothic art in Art, a study of work-life in pre-machine days in Practical Arts, the work of medieval alchemists in Science, and Medieval music in Music.

**Health Work**  
 Much work is being done in the schools with Health and Hygiene. An interesting report of the work being done at the University of Michigan was furnished by Miss Gladys Wiggins '31, M. S. T. C. (M. S. P. H. '34, U. of M.).

The Health Service of the University under the direction of Dr. Forsyth has been interested in developing a course in Health and Hygiene which would be required of all students attending the University. Because of a dearth of material the University decided to investigate the situation. Assignments for investigation were given out to students working for masters or doctors degrees, the results of the investigations to be incorporated into thesis for the degree. Miss Wiggins' thesis was "Correlation between Health Knowledge and Health Status." This was an attempt to discover if there was any correlation between what students actually knew about hygiene, and their health. The basis for the work was an examination in the essentials of health and hygiene, consisting of a number of completion, multiple choice, and true and false, questions, given to 1,000 students representing a cross-section of the various schools making up the University. Miss Wiggins worked with 200 first-year women, picked at random so as to get a representative cross-section of the class. Health knowledge was determined from the results of the hygiene examination. Health was determined from a complete physical examination by the University health service. The result of the investigation revealed no correlation between Health Status and Health Knowledge.

A minor problem in the investigation was an attempt to determine the relationship between health of an individual and the amount of work done by the individual in biological sciences in high school. It was discovered that such a small percentage of the students had taken work in the biological sciences in high school that an attempt to determine a relationship was impossible.

**Grading System**  
 Mr. Theodore Helgen (Life certificate '30) told of a system of marking which aims to eliminate the personal factor in issuing grades which was worked out recently by the department of manual training at Wyandotte, Mich. It also enables the teacher to standardize marks. Under this system equal emphasis is placed on five factors: the results of tests, the quantity of work done, the quality of the work, the industry of the pupil, and the co-operation the pupil shows as part of a social group. The pupil is graded in each factor and the results are averaged for the final mark.

**New Report Card**  
 At Ironwood, a new report card is being tried, which aims at getting the individual student to work to full mental capacity. Mr. Roland Gleisner, '31, described this card. On it the subjects are listed in the usual way but instead of a pupil being graded in the customary manner a check is placed after the subject in case the pupil is not doing satisfactorily (Continued on page 3)

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 —George Washington

"Save, and teach all you are interested in, to save; thus pave the way for moral and material success."  
 —Thomas Jefferson

"Pay the price in poverty and distress."  
 —Andrew Jackson

"Extravagance robs character; the habit of saving money while it suffers the will also brightens the energies. If you would be sure that you are beginning right, begin to save."  
 —Theodore Roosevelt

"If a man has not that care for the days that have not yet dawned which we sum up in the whole idea of thrift and saving, then he has not opened his eyes to any adequate conception of human life."  
 —Woodrow Wilson

"Teach economy. That is one of the first and highest virtues. It begins with saving money."  
 —Abraham Lincoln

"Experience teaches that it is the men and women who pay attention to small savings that become wealthy."  
 —James Garfield

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# INTRAMURAL BASEBALL RACE TIGHTENS

## BASEBALL BOOMS! BATTLING BROWNS WIN FROM REDS

Close Game Ended With 4-3 Decision.

The Browns upset the dope bucket on Thursday, July 19, and won 4-3. With the R's as favorites the Browns recruited a new pitcher from their ranks who did miracles. Kolemäinen, pitching his first game, kept the hits scattered and, striking out 9 men, made the game an excellent one to witness.

The Reds lost the toss and got the ins. The first inning looked bad for Browns with Reds chalking up 2 on the scoreboard. The rejuvenated Browns repeated, tying the score. From then on it was anybody's game. Both teams settled down to play cool, conservative baseball.

In the 3rd Kolemäinen fanned the first 3 men to face him and errors by Reds proved to be their undoing, as the Browns capitalized and tallied twice, making the score 4-2.

The Reds made a strong bid in the 4th when they scored once. The Browns failed to advance the score. Perfect fielding and heady playing kept the Reds from getting a hit in the 6th. Thus the game ended—really a team victory, not a pitcher's duel as box score may indicate.

**POSTPONED GAME**  
The Faculty-Browns game of July 12 was postponed because of rain. This game will be played Thursday, July 26. This week there will be two games between Browns and Faculty.

REDS				
AB	R	H	P	O
Miheve, c.	3	1	1	4
Simonen, lb.	2	0	4	1
Jetta, p.	2	0	0	0
Waytoniis, ss.	2	1	1	1
Ranguette, p.	2	1	2	2
Nordbeck, 3b.-cf.	2	0	0	0
Gustafson, lf.	2	0	0	0
Laurie, cf.	2	0	0	1
Seppala, cf.	2	0	0	0
Totals	19	3	4	12

BROWNS				
AB	R	H	P	O
Kolemäinen, p.	2	1	0	1
Sain, c.	2	1	0	2
Pizziali, lb.	2	1	5	0
Carter, 2b.	2	0	1	0
Robichaud, ss.	2	0	0	0
Simpson, cf.	2	0	1	0
Bonnell, lf.	2	0	0	0
Paajanen, lf.	2	0	0	0
Korby, 3b.	1	0	0	0
Totals	17	4	3	15

Score by innings:  
1 2 3 4 5  
Reds ..... 2 0 0 1 0-3  
Browns ..... 2 0 2 0 x-4

Struck out: By Kolemäinen, 9; by Ranguette, 4. Hits: Reds, 4; Browns, 3.



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## FACULTY TAKE BROWNS 4-3

The Faculty beat the Browns Tuesday in a game that showed much good baseball. Kolemäinen pitched for the Browns, striking out two men and walking one; Meyland, for the faculty had six strike-outs and issued one pass. Kolemäinen's triple and Frost's double were the only long hits of the game.

This game was the last of the regularly scheduled games. However, the Faculty and Browns will tangle again on Thursday to play off an earlier game that was rained out, and then the Reds and Faculty will play off their tie game, which will decide the school championship.

Box scores:				
Browns	AB	R	H	P
Pizziali, lb.	3	0	1	0
Sain, c.	3	0	0	2
Robichaud, ss.	3	1	1	0
Kolemäinen, p.	2	1	2	0
Simpson, rf.	2	1	0	1
Korby, 3b.	1	0	0	1
Carter, 2b.	2	0	1	2
Simonen, cf.	2	0	0	1
Paajanen, lf.	2	0	0	0
Totals	20	3	5	4

Faculty				
AB	R	H	P	O
Ferns, lb.	2	1	0	3
Clucas, c.	3	0	1	2
Meyland, p.	2	1	0	0
Frost, ss.	2	1	0	1
Hamilton, 3b.	2	1	0	0
Slick, lf.	2	0	0	0
Gustafson, rf.	2	0	0	0
Ranguette, cf.	2	0	0	2
Nordbeck, 2b.	2	0	0	3
Totals	19	4	3	15

### Teaching Experiments

(Continued from page 2)  
tory work according to his ability. A pupil working to maximum capacity in all subjects receives a report card without any checks, whereas a student capable of doing "A" work and failing to do so would receive a check after the subject. If the student is only capable of doing "C" work he would receive a check only if he failed to do "C" work. If improvement is shown during the following interval a cross is placed after the subject. On the other side of the card is a list of traits—self-reliance, conduct, effort, honesty, etc. The student is also checked on these. A duplicate of the card showing the grades each individual receives is also kept by the school office for the purpose of final marks. The purpose of this card is to stress cooperation rather than competition for marks.

### Tennis Popular, Tournament In Offing

Interest in tennis is reaching a new high at Northern. Forty-six have enrolled in the women's classes, and under the supervision of Miss Owen are receiving instruction in the fundamentals of the game, such as serving, forehand and backhand drives, scoring, etc. At the first of the term the girls found proper coordination in serving and driving difficult, but in the succeeding four weeks they have shown a "wonderful improvement," according to their instructor.

Only three men signed up for the combined swimming and tennis course under Mr. Ferns. The first three weeks were devoted entirely to the rudiments of tennis, but since mid-term they have met at the Shiras pool. Two of these men are practicing swimming strokes and the other is preparing to pass the Senior Red Cross life saving tests. Because the scarlet fever epidemic made it necessary to close the pool for three weeks, out of a women's swimming class of twenty, only eight chose to swim, six continued with tennis and six dropped the course. There is a possibility of a small tennis tournament in singles and doubles between the girls' classes at the end of the term, according to Miss Owen.

### Short Sport Snaps

Northern's thanks go to the girls in the tan sedan for their services at the Faculty-Reds baseball game. Their sideline coaching and efforts as a cheering section was, no doubt, the inspiration which caused the two teams to battle through two extra innings only to have the game called because of darkness.

To "Dude" Ranguette goes the honor of having hit the longest homer we have ever seen on the local diamond. In the Faculty-Reds game he wallopped the sphere to a point not far from the north-end cross bars.

This same game was about the most exciting scrap witnessed by Northerners in the school history—intercollegiate games included. One doesn't see extra inning games called because of darkness every day in the week.

The Reds looked like a sure bet to cop intramural honors until they hit the Browns for the second game and lost 4-3. In the first game they took the Browns into camp to the merry tune of 25-11. What was it, R's, over-confidence or Koly's pitching?

BIG SIX BATTING AVERAGES				
(2 games or more)				
	AB	H	Pct.	
Ranguette (Reds)	12	8	.667	
Frost (Fac.)	5	3	.600	
Waytoniis (Reds)	11	6	.545	
Carter (Browns)	9	4	.444	
Kolemäinen (Browns)	12	4	.333	
Clucas (Fac.)	6	2	.333	
Ferns (Fac.)	6	2	.333	

With forty-six women enrolled in tennis classes this term we have a right to expect Northern trained Wightman cup stars showing 'em how it's done at Forest Hills ere long.

The Olive and Gold's course are getting the wear these days. From dawn to dusk, so to speak. Six clay courts are making tennis a favorite campus sport.

At the last term's eventful and long to be remembered men's night we were promised a cement court by President Pearce and Coach Hedgecock. Let's get together soon, eh?

There are three games left on the intramural calendar. This column predicts the Reds will take the Faculty into camp in their game and the Browns and the Faculty will split even in their two-game series.

Crystal gazing is being resorted to by ball fans far and near in an effort to find out what has happened to the Detroit Tigers. At the beginning of the season, dopesters could not accredit the Bengals with more than a third place American League berth. However, at this writing the club is sitting comfortably on top of the league pile. At the start of the fight Detroit's pitching strength seemed inadequate for a winning team, but since then, paced by the former problem child, Lynwood (Schoolboy) Rowe and Tommy Bridges, their hurling staff is more than holding its own. They lead the Leagues in batting and are a close second in fielding. If the Flivver City team is nosed out between now and the season's end it wouldn't be the first club to fall in that stretch. The season, by the way, ends in October.

Strike three, I'm out.

## BEAUTY SHARED BY MR. ANDERSON

Secluded Garden Across Street From College Campus.

People often think that to see something very beautiful they must go a long way from home. I wonder how many students have seen Mr. Anderson's garden, across the street from the college campus. It is one of the most unique and picturesque private gardens in the state.

No doubt you have often passed by and noticed the tall pine hedge growing around, but never suspected the wealth of beauty hidden inside. Since Kaye avenue was pushed up to the athletic field and broadened (and a lilac hedge had to be demolished) the Anderson garden has had many furtive admirers. Now, thanks to the generosity of the owner, you are always welcome to go in and see his garden.

Entering to the right or left of the picturesque stucco house, delightful vistas are opened to the visitor. The entire garden, about three city lots in extent, is secluded by an evergreen hedge.

Perhaps it is the sudden silence—or perhaps it is the huge All Baba jar that looms from the center that gives a momentary impression of Arabian Nights.

Then there is the pool, near the entrance, if one saunters from the owner's cottage along the left hedge. Lily pads, massed ferns, and a great shady maple—all are there. There, too, is a large burl of a birch, used as a home for a family of squirrels.

To the novice there are too many blooms (Linnaeus would be ecstatic). There cannot be names for them all. Dominating the southeast corner is a maple, and standing under it one's eye can sweep those cunningly planned stretches of marigold, baby's breath, geraniums, lilies of the valley, forget-me-nots (to name the miniature), and the taller beauty of poppies, foxgloves, and a host of pecked, spiraled and diaphanous unnameables.

And all this is but the outer court, and though the pilgrim would wish to recline and dream on the inviting green mound of the natural couch, he should push on into the inner garden—where the sober green of the spruce is slashed with gray fog-lobes. It is here one finds the droid's seat, a weathered perch on a gnarled trunk.

But tread softly now, and look to your magic chants: there is yet the sanctus sanctorum, the fairy ring. There, surrounded by an inner circle of greenery, one looks up to a blue sky from a fairy ring.

At any time Mr. Anderson is ready and willing to answer any questions. On one occasion I asked him about a tree which I believed to be a black haw, or a kind of thorn-apple, but Mr. Anderson smilingly informed me it was a Japanese crab.

After seeing this loveliest of gardens, I had the privilege of seeing his house and workshop. His work with hammered copper has as lovely as his garden, but I must leave that to another story.

## ABBAS CONCERT PLEASES CROWD

(Continued from page 1)

In depth and strength of tone to this new need. Mr. Abbas delivered a striking indictment of the modern age when he said that we are not more musical but less musical than our ancestors. They fostered music in their homes. We hire an artist to bring the occasional beauty to us.

Mr. Abbas's first selection was a melody from the first book of music written for a string instrument alone. The beautiful little melody was written above four chords. The composer tried to see how many times he could repeat the four chords and still retain the interest in his music. A Minuetto by Ariosti followed, which combined a lively rollicking violin melody with a plaintive, lilting cello on the harpsichord. Here the audience had the opportunity to enjoy the artistry of Mrs. Abbas. The harpsichord accompaniment came out in the second part with delightful melody. The haunting, pathetic strains of Marsell's Adagio for the bag pipe thrilled the audience. Handel's harmony for viola and harpsichord enchanted with its dainty, tinkling tones.

Mr. Abbas was sensitive in his choice of selections. The melodies were varied in tone and mood. A minute waltz for Louis XIV was a delicate, dancing tune followed by the slow, mournful Sarabande, played by viola alone. Mr. Abbas played with such fervor and stateliness that the audience could almost picture the dignified Cardinal Richelieu dancing this beautiful dance with Queen Anne of Austria. The rare possession of it is fascinating music long after the dance has disappeared makes us aware, Mr. Abbas suggests, of the great loss to the world of music due to the fact that the great masters played their stirring melodies at home and left no record for posterity.

The musicians left the stage for a brief intermission, returning just as charming in modern dress but still refusing to play modern music. A Gavotte written for the wedding of the daughter of Catherine de Medici was featured. Mr. Abbas explained that this was the first music written for musical instruments of the violin family. A lively tune from Valentine, "The Oxen Minuet," by Haydn, enlivened by a humorous account of its history, the more delicate strains from Boccherini's Rondo lent grace and beauty to the program. Schubert's Cradle Song, followed by Brahms' Lullaby and Chopin's Mazurka, completed a most delightful concert.

The audience left feeling that they had been favored with an artist's conception and an artist's rendition of the fundamental moods and urges of humanity.

## REDS-PROFS TIE IN 7 INNINGS.

Darkness finally ended one of the most thrilling games ever played on the Northern diamond after the Faculty and the Reds had battled through seven heart-grIPPING innings of real baseball to a 7-7 tie.

Both pitchers performed skillfully on the mound, Meyland fanning eleven Reds, and Ranguette coming up with ten strikeouts. Good fielding by both teams kept the score down.

The Faculty got the jump in the first inning when they shored three runs across the plate to the Reds two. In the second inning neither team scored but in the third the Reds did some heavy sticking and evened the count when they drove in two runs while the Reds were left with a single runner. In the fourth and fifth stanzas the pitchers kept the few hits well scattered and both teams failed to tally, leaving the score locked at 4-4. In the first extra inning the Faculty brought one run across but after two had struck out the Reds came through with a tying run. Again in the seventh the Faculty scored to have the game in the bag but again with two out the Students banged over the needed counts.

The game was then called on account of darkness, and will be played over at a later date.

Box score:				
Faculty	AB	R	P	O
Clucas, c.	4	1	1	1
Meyland, p.	4	0	1	2
Frost, ss.	4	2	2	0
Slick, lf.	4	0	1	0
Pizziali, rf.	4	0	1	0
Kelus, cf.	4	0	1	0
Carter, 2b.	4	2	1	0
Sein, lb.	3	0	0	1
Korby, 3b.	3	0	0	1

REDS				
AB	R	H	P	O
Mehve, c.	4	0	1	1
Kohlemäinen, lb.	4	1	2	6
Waytoniis, ss.	4	1	2	3
Ranguette, p.	4	2	2	0
Robichaud, cf.	4	2	1	0
Laurie, 2b.	4	0	0	2
Simonen, lf.	3	0	0	0
Nordbeck, rf.	3	0	0	0
McLean, 3b.	3	0	0	2

Totals				
AB	R	H	P	O
Faculty	33	6	21	8
Faculty	1	2	4	5
Reds	2	0	2	0

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## Library Notes

The following books have recently been added to our library:

Abbot, Edith.

The great painters.

A history of painting in Europe, with emphasis upon the greater painters themselves, and showing the continuity of what the author calls "the European tradition" in painting.

Assn. for childhood education. Told under the blue umbrella.

Realistic stories and poems, for children of ages covered by the kindergarten, first and second grades.

Ayres, L. P.

Economics of recovery.

"It reviews the origins and progress of the depression in this country, and considers the nature of its most characteristic symptoms."—Preface.

Beach, J. W.

The twentieth century novel, studies in technique.

Notes in certain aspects of present novel-writing, rather than a complete history of the novel of today.

Blunden, E. C.

Charles Lamb and his associates.

The author, a poet, in this critical biography of Lamb, presents a charming picture of a man "of almost perfect sympathies and possessed of a genius for friendship."

Cambridge history of the British empire, v. 7, part 1, Australia; part 2, New Zealand.

Additional volumes of a valuable and scholarly set.

Capek, Josef and Karel.

The world we live in.

A Czech-Slovakian fantasy in which a philosophical vagrant falls asleep in a forest and observes a curiously interesting analogy between the lives of insects and those of men.

Clark, V. S. and others.

Porto Rico and its problems.

An economic and social survey conducted under the auspices of the Brookings institution.

Cook, E. C.

Reading the novel.

"The question of the reader's attitude toward reading has become steadily more important with the complexity of modern life."—Preface.

Forster, E. M.

Aspects of the novel.

Lectures delivered at Trinity College, Cambridge, in 1927, and widely quoted in later books dealing with the same subject.

Graydon, A. B.

General metal work.

"Offers a correlated course of elementary sheet metal work and light machine work . . . in junior high schools or continuation schools" —Preface.

Herman, Arthur.

Metternich.

A biography of the famous statesman, with a strong background of the history of Europe during his period.

Holcombe, A. N.

The new party politics.

The realignment of parties today, with discussion of trends and tendencies.

Lorris and Meun.

Le roman de la Rose.

Mis en français moderne par André Mary. Prose translation of the medieval romance.

Moore, Henry.

Textbook of intermediate physics.

Mallon, G. W.

Bankers vs. consumers.

A modern study of our economic difficulties, setting forth the idea that basically our system is sound, and that all that is needed is the application of one or two new principles—the return of the power of coining and valuing money to Congress, and the distribution of consumers' dividends for two years—ideas worth considering, as Stuart Chase says in his introduction.

Scott, Hyma and Noyes.

Readings in medieval history.

From both primary and secondary sources, intended to awaken the interest of college students in the reading and study of history.

Slack, E. P.

Elementary electricity.

The book is intended for use by students who have not studied electricity before and whose mathematical training may not have gone beyond arithmetic.

Sontag, R. J.

European diplomatic history, 1871-1932.

Spring, L. W.

Non-technical chats on iron and steel.

Illustrated volume of informal discussions of iron ores, different processes, and different alloys.

## Alumni Notes

Williams, Grace, '17, teaches a first grade in the public schools in Flint.

Van Riper, Charles, '24, received his Doctor of Philosophy degree from the graduate college at the State University of Iowa in June, 1934. He has his bachelor of arts degree and his master of arts degree from the University of Michigan, and has also attended the University of Minnesota. He was research assistant at the University of Iowa for two years and is a member of Phi Beta Kappa and Sigma Xi.

Luke, Bernice A., '25, is teaching a fourth grade in the Ironwood schools. She is now in attendance at Northern taking work toward her degree.

Moffett, Mr. and Mrs. Stanley (Helen A. Salisbury, '25, of Crystal Falls), are spending the summer in Marquette. Mr. Moffett, '30, is an instructor in the Crystal Falls high school. They have a son, Pallip, about eight years of age.

Seppel, Beatrice M., '25, is vacationing in the West, visiting Mesa Verde National Park, Yellowstone National Park, and other points of interest. She plans to be back in time to begin her teaching in the Vulcan public schools in the fall.

O'Hara, Mrs. J. J. (Vivian McCarthy, yr. '25), formerly of Marquette, is teaching physical education in the Detroit public schools. Mr. O'Hara is an instructor of manual arts in the same system. Mr. and Mrs. O'Hara and son, John J., plan to spend several weeks visiting in the Upper Peninsula during the summer.

Wiggins, Gladys, '27, B. S. '31, was one of 45 residents of the Upper Peninsula who received degrees from the University of Michigan in June, 1934. She received her master of arts degree, majoring in public health work. Miss Wiggins was an instructor of physical education in the L'Anse public schools for two years following her graduation from Northern. Later she taught in Iron River for several years, after which she entered the University. She is a member of Delta Omega, the national honorary public health society. She has recently accepted a position as physical education instructor at Aberdeen, South Dakota.

The following Northerners were also among Upper Peninsula graduates at the University of Michigan in June this year:

Carlson, Delphine C., '26

Bachelor of Arts

Carlson, Gust G., A.B. '32

Master of Arts

Murphy, Percy J., '25, A.B. '30

Master of Arts

Thoren, Rollin K., A.B. '33

Master of Arts

LeMieux, Raymond W., A. B. '27, graduated with distinction from the Eastman School of Music with a bachelor of science degree, June 18, 1934. Mr. LeMieux has been an instructor of music at Ferris Institute and in the Negaunee public schools.

Derleth, Paul E., '28, A.B. '30, is assisting in the laboratory at St. Luke's hospital in Marquette during the summer months. He is a student of medicine at the University of Michigan. Mr. Derleth taught in the Norway public schools prior to enrolling at the University.

Wooster, Harold B., '28, who taught in the Crystal Falls high schools for a number of years, has resigned his position and is managing a Gamble store in Lower Michigan.

MacDonald, Henrietta M., A.B. '30, has accepted a position teaching English in the L'Anse junior high school. Miss MacDonald taught in the Wakefield schools for several years.

Teddy, Florence L., '30, has been teaching a third grade in the Gwinn schools for the past four years.

Wassberg, Oscar E., B. S. '30, instructor in athletics in the Manistique schools, was elected president of the teachers club for the year 1934-35.

Broullire, Lucina M., '33, has accepted the principalship of a rural school in Aurora, Wisconsin.

Hedman, Jennie M., 5 yr. C. '34, and Lorraine A. Leaf, '33, were appointed on the teaching staff of the Republic township schools for the coming year.

Holman, Grove B., B. S. '34, will

Tobenkin, Elias.

Stalin's ladder.

A study of the rise of Stalin in the Russia of today.

## FURNACE VISITED BY ENTHUSIASTS

(Continued from Page 1)

ous chemical processes. Activated carbon also is a bleaching and oxidizing agent—used, for instance, in slaughter houses to purify rancid fat. It is twice as effective as ordinary charcoal. The activating plant here has been in operation but a month, since it is a recently discovered process.

Other products and processes were inspected—methanol, used as an anti-freeze, and in dye, rubber and formaldehyde production; benzaldehyde, used in pharmaceuticals, dyes, flavoring compounds, synthetic resins, photographic chemicals and rubber.

Seventy tons of coal are consumed each day in the huge steam boilers. Sawdust from the mill is burned as well.

The inspection of the Northern chem group was concluded by visits to the store house and machine shops.

## MALLOCH GIVES ENJOYABLE TALK

(Continued from page 1)

The next poem was particularly interesting because of the story connected with it—the story of an aviator whose plane, on flying from San Diego to New York, went into a tail spin and crashed. Having anticipated an accident, she left directions for her funeral service, requesting only the reading of Mr. Malloch's poem, "We Call This Life."

There was one more poem for the children, "Mrs. Moo and Bow-wow-wow," and the program was concluded with "You just begin to get acquainted about the time you have to part."

Mr. Malloch's poetry is especially enjoyable because there is no hidden meaning and it has a bright thread of optimism woven throughout.

"Do not think of loss too long. Do not think of self too much."

During the hour, Mr. Malloch explained his method of writing a poem, but does not recommend it to you. Some days he does not write at all, but other days he may write two or three poems. He never writes with a definite object in view. Some one once asked him how he found his rhymes, and he replied that he writes the first line and goes on to the second. When he gets to the end the rhyme is sitting there waiting for him. When the poem is finished he discovers he has put in it a thought that he used to know.

His poems in the newspapers, "Lyrics of Life," syndicated by the McClure Newspaper Syndicate, of New York, are read by hundreds of thousands of people.

Mr. Malloch is the author of eight books, the latest, "Come On Home" and "The Heart Content," published by the Reilly and Lee Co., Chicago.

teach in the athletic department of the L'Anse schools next year.

## MARRIAGES

Campbell, Elizabeth H., '31, of Newberry, and Dr. Frank Robert Koff, a member of the medical staff at Grace Hospital in Detroit, were married May 12, 1934. Mrs. Koff attended the University of Michigan and taught kindergarten in the Newberry schools for a year. At the time of her marriage she was connected with the social service department at the Ypsilanti State hospital. They are living in Detroit.

Lane, Valerie K., '25, and W. Howard Hitchens, both of Iron Mountain, were married June 28, 1934, in Iron Mountain. Mrs. Hitchens has been teaching in the Kingsford schools since her graduation from Northern. They are making their home in Iron Mountain.

Sibitsky, Helen I., '28, of Laurium, and Leonard Johnson, of Marquette, were married June 16, 1934, in Laurium. Mrs. Johnson has taught in the Chicago public schools system several years. Mr. Johnson is employed by the Sinclair Oil company in Marquette, where they reside.

## BIRTHS

Anderson, C. Roland, A. B. '30, and Mrs. Anderson, are the parents of a daughter, born September 22, 1933, in Ishpeming. Mr. Anderson teaches history and English in the high school in Marine City. They are spending the summer months in Ishpeming.

Murray, Mr. and Mrs. William E. (Florence M. Billings, B. S. '28, formerly of Marquette), are the parents of a son, Douglas Robert. They are residents of Muskegon Heights, where Mr. Murray is a member of the high school faculty. Mrs. Murray was a director of physical education for girls in the Muskegon schools prior to her marriage.

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