THE SUMMER SCHOOL.

An Outline of the Splendid Work that Was Done.

MANY SUBJECTS TREATED.

Instructors are Much Gratified at the Result—Practical Nature of the Work.

The closing exercises of the Summer School at the University closed yesterday.

At 2 o'clock in the afternoon a gathering took place, and brief speeches by the instructors were made, each entertaining his hearers in an interesting manner, the program forming a fitting close to the successful session held.

The character of the instruction given has been in the highest degree commendable. From all who attend come expressions of satisfaction relative to the thoroughness and practical nature of the subjects presented. The outcome cannot but be beneficial to the University, as the instruction given is typical of that imparted in the institution, and the personnel of the faculty has appeared in a favorable light.

The instructors express themselves as being much pleased with the results of their labors, and with the large attendance and the interest manifested. Believing that a outline of work in the several courses offered may not be devoid of interest, a brief synopsis is herewith given:

ELEMENTARY BOTANY.

Botany, Zoology and General History, Prof. Whiting instructor.—The subject was treated from a botany evolutionary standpoint. The work began with a study of the roots, stems, leaves, flowers and fruits were treated in succession.

Few things were spoken of in the class which were not fully illustrated by specimens actually in the hands of the students. The keynote of the course was to make botany a study of plants rather than a study of books about plants. One day each week was especially devoted to microscopic investigation.

ADVANCED BOTANY.

The work in advanced botany was confined to a study of our native Algæ. All of this work was microscopic. Specimens from the Hot Springs at Monroe, from our Hot and Warm Springs, from fresh water ponds and ditches, and from Great Salt Lake were carefully examined and, so far as possible, were classified.

ZOOLOGY.

The work on zoology was based upon Orton's Comparative Zoology. An earnest effort was made to distinguish between the essentials and the non-essentials of the subject, and attention was directed to the philosophy of zoology as well as to its facts. The whole course was illustrated by museum and fresh specimens. One day each week was devoted to laboratory work, and typical animals were dissected to illustrate their internal characteristics. An attempt was made to make the students careful, accurate, concise, close observers of nature.

GENERAL HISTORY.

A short course in general history was given. The work covered the crusades, the reformation, England from 1400 to 1763, and the new German empire. The philosophy, as well as the facts of history were discussed, and a foundation for future study was laid.

LATIN AND GREEK.

Latin and Greek, Prof. Cummings, Instructor.—There seems to be a sentiment more or less prevalent through the western country that we have no time to devote to the study of Latin and Greek; and yet, in spite of this fact, there have been four courses, three in Latin and one in Greek, given at the session of the University Summer school just closed. People are realizing more and more the educational values of the classics in providing a well equipped mind and a broad culture.

The largest class of the session was the one in beginning Latin. The work was taken up with earnestness and zeal and the class have succeeded in mastering the regular forms of Latin syntax, have a fair vocabulary and are beginning to translate the second book of Cæsar.

Another class have been making themselves familiar with the literary style of Cæsar and studying the structure of Latin complex and compound sentences. This class has read about half of the first five books of Cæsar's Gallic War.

The third class in the study of the Latin language has read the four orations of Cicero against Catline, investigating the strength of the Latin oratorical style and becoming somewhat familiar with Roman life.

The young men who have been testing the beauties of the Greek tongue have completed their mastery of the regular noun and verb forms and constructions and translated nine chapters of the first book of the Anabasis.

DRAWING AND PRIMARY TEACHING.

Drawing and Primary Teaching, Miss A. E. Rotherwood, instructor.—In the drawing course given in the Summer school, rapid drawing with chalk and with crayon was first taught in illustrating stories, elementary science, geography and history, to show that from correct drawing by the teacher, the children unconsciously acquire the elements of perspective and light and shade. Drawing of colors was followed in connection with the work in a beginning course was begun in clay.

Next to the drawing from natural objects, the type which gives a most teach independently by observation and drawing.

A series of lessons on scientific perspective showed how this supposed difficult subject may be made intelligible and easy to sixth grade pupils by using it as a tool.

Twenty-six students enrolled in this course.

A course in water color painting was given on the same principles as the drawing course. Two students enrolled.

The course in primary teaching was devoted to give special attention to development since kindergarten. The mechanical principles of going up were developed at the beginning and the relation of each subject to the whole curriculum was discussed.

The right method of teaching all modes of expression was thoroughly illustrated by lessons in clay modeling, painting, sand modeling, drawing and color.

Several members of the class conducted model lessons subject to criticism by the class. Especially valuable were two science lessons taught by Mr. R. V. Smith on the subject of meteorology, in which he explained the principles and use of various meteorological instruments. Ten students enrolled.

PSYCHOLOGY.

Advanced psychology, Mr. Hayhurst, instructor.—The work in advanced psychology was continued in twenty-eight lectures, embracing the following topics:

(1) Introduction.

(a) The law of physical evolution. (b) The law of mental evolution, and the parallelism of physical evolution. (c) Difficult intellectual laws. The probability that all processes are accompaniments of a universal evolution energy.

(2) The development of the nervous system throughout the animal kingdom, and its special development in man.

(3) Intellectual development.

(a) The law of association. (b) Apperception. (c) Stages of knowledge.

(4) The evolution of feeling as the accompaniment of intellectual evolution.

(a) Interest as the most sensible element in mental activity. (b) Automatic action. (c) The unity of mind.

(5) The process of man morally.

(a) Internal the evolution of conscience. (b) External or social the growth of the institution.

The list of works consulted includes Spencer's First Principles, Principles of Biology and Principles of Psychology; Huxley's Lessons with Lessons; Romanes's Mental Evolution in Man; Lewes's Elements of Physiology; Ribot's Essays on the Growth of Attention; Ribot's Heredity; Baldwin's Mental Development in the Child and Race; Ladd's Physiological Psychology; Sully's Outlines of Psychology; Dewey's Psychology; Hyslop's Elements of Ethics; Fiske's Outlines of Cosmic Philosophy; Darwin's Descent of Man; Wundt's Lectures on Human and Animal Psychology.

U. S. HISTORY, ETC.

U. S. History, English Literature and English Literature, Prof. Marshall, instructor.—The work consisted discussions of the most important topics of American history and did not follow a mere chronological account of events. The reasons for colonizing, the legal aspects of colonization, the forms of colonial government, the causes and results of the French wars, the political aspects of Revolution, the formation of the Constitution, the geographical changes in the present limits of the U. S., and the Civil war, its far reaching causes were the principal topics.

ENGLISH GRAMMAR.

This was an advanced course, presupposing a fair knowledge of the subject on the part of the pupils. The topics discussed were the syntax of nouns, and the syntax and syntax of verbs, including the participle and infinitive.

ENGLISH LITERATURE.

A fortnight was devoted to discussing the various literary forms; several weeks were devoted to outlining a historical sketch of the development of English literature, the remainder of the time was spent in a study of Tennyson and of Shakespeare's Julius Cæsar.

KINDERGARTEN.

Kindergarten, Miss Chaplin, instructor.—Miss Chaplin is much pleased with the kindergarten work done in the summer school under her direction, and says the class have covered more ground than classes usually do in three months. Their power of continued hard work was a continued surprise. Arrangements have also been mentioned for a class in primary methods during next year among those teaching the lowest grade.

PEDAGOGY AND PSYCHOLOGY.

Pedagogy, psychology and normal arithmetic, Professor W. M. Stewart, instructor.—The class consisted of forty members, and was much interested in the subject.

1. Pedagogy.—This course included: (a) a study of the principles of education; (b) methods of teaching the common school subjects in all of the eight grades; (c) school management, school appliances, and kindred subjects; (d) a discussion of the modern educational "Theory of Concentration."

A course in pedagogical reading from books in the University library was also offered.

2. Applied Psychology.—This course consisted of a discussion of: (a) the elements of knowledge; (b) philosophy; (c) psychology; (d) process of knowledge; (d) stages of knowledge; (e) feeling; (f) volition; (g) psychology of the moral expression; (h) psychology of form, number, geography, science and history; (i) psychology of conduct, right and wrong.

3. Arithmetic was studied covering the subject as treated in Harper's Reading Book. Mental arithmetic received special attention and the principles of arithmetic with their practical application was thoroughly treated. At the completion of the course an examination was given, which will entitle the student to take the preparatory or normal schools of the University without further examination in that subject. In this course one hour each week was given to a careful discussion of the pedagogy of arithmetic.

GERMAN.

German, Prof. Richard T. Hays, instructor.—Some ten or twelve students applied for the elementary and advanced courses, but on account of these not being all fully prepared and having passed over the work covered by the class of the elementary course, only one class was organized in advanced German, and one class in German with five students. Although somewhat hindered at first, the work has been thoroughly enjoyed by the students and the instructor. Schiller's Maria Stuart was the great tragedy to be read and translated. The introduction included a sketch of the author's life by the instructor, with particular reference to the events of the drama. Schiller's Die Glocke was also read, the instructor, the language and the music were carefully explained. By this explaining all the finer shades of the exceedingly musical production, the flow, force and wave power of the language, and the music of the verse and the beauties of the language were brought to the class.

PHYSICAL CULTURE.

Miss Maud M. Harris, instructor.—The course was designed to meet the needs of teachers desiring a course in eight lessons in physical culture, or exercises. From one to one and a half hours each day were given to theory and practice.

The practical work included the movements necessary to gain a symmetrical form with relaxation, marching, the dumb-bell, wand, Indian clubs, delsarte, Swedish and controlling exercise, twisting, horizontal and parallel bars, flying and traveling rings, swinging appliances, Swedish Gymnastics, vocal training.

Special examinations and measurements were taken of each student, and a report of each, showing the relation of the standard to a certain type, given.

A large and interesting class attended this department.

PROF. KINGSBURY'S DEPARTMENT.

Assaying, General Chemistry and Physics, Prof. Kingsbury.—The course in assaying has become well acquainted with the crucible and scorification methods of determination of gold, silver and lead, and the wet methods of analysis of copper and iron ores for copper and iron.

GENERAL CHEMISTRY.

In general chemistry the common metals and non-metals with the most common compounds have been studied. Atomic theory, laws of definite and multiple proportions, Dragon's law, common reactions, determination of the atomic and molecular weights, have all more or less been studied. Each student has done a large number of experiments in the laboratory to acquaint himself with the principles and theories of chemistry and to familiarize himself with the elements and compounds embraced in the course.

DR. CHAS. ALLEN.

Arithmetic, algebra, geometry and bookkeeping—Prof. D. R. Allen instructor.

In arithmetic the following subjects have been treated quite thoroughly: Metric system of weights and measures; measures in common use; ratio and proportion; percentage, interest and discount; stocks and bonds; exponents; powers and roots; memorizing of tables, with development of the values thereof; and the use of Ware's Worth and Hill's High School Arithmetic.

The work done by the class in algebra signs covered the following subjects which were quite thoroughly treated: Definitions and notation; addition; subtraction; multiplication; division; factors; factoring; highest common factor; lowest common multiple; fractions; solution of simple equations, containing one unknown quantity; solution of problems, leading to simple equations containing one unknown quantity. Wells' Academic Algebra is the text book used.

In geometry the class in elementary algebra covered the following subjects: Solution of simple equations containing two unknown quantities; solution of two unknown quantities; involution; evolution; theory of exponents; radicals; quadratic equations; simultaneous equations; involving quadratics; theory of quadratic equations; solution of numerous problems, involving the quadratic named above. Wells' Academic Algebra is the text book used.

The class in plane geometry completed the first three books and half of the fourth book of Wentworth's New Plane Geometry. Considerable time was devoted to the solution of original problems.

In all this work the effort has been to teach the principles that underlie the work, rather than to have students commit to memory set terminus and rules.

The class in bookkeeping made very satisfactory progress. The principles of double entry bookkeeping were thoroughly mastered, and some special applications of these principles were considered. Williams and Rogers's New Complete Bookkeeping is the text book that was used.

PHYSICS.

The work in physics comprised a thorough presentation of the subjects of pneumatics, mechanics, heat, light, electricity, dynamics, together with such other subjects as are usually treated in the best text books on this science. The laboratory afforded an excellent opportunity for a thorough treatment of the above subjects. In the course of each day the students met and demonstrated by the aid of the fine apparatus of command, the theories and principles discussed in the morning sessions.

New Mercantile Company.

Articles of incorporation of the Evans Mercantile company have been filed with the county clerk. The capital stock is $10,000 divided into shares of the par value of $5 each. The officers are James M. Smith, president; James Moffat, vice president, and J. J. Thomas, secretary and treasurer. Those most interested are H. F. Evans, J. J. Thomas, C. W. A. Stolzell, James Moffat, Sharp Walker, Chris Diehl and John M. Bruce.

The Last Performance.

Professor Beatty's educated dogs and ponies will give their farewell performance tonight, making their ninth performance in this city this week, all of which have been well attended. The exhibition is decidedly the best of anything of its kind ever seen here, and the attendance has been the best. After the last performance tonight the organization will leave for Ogden, where they exhibit a portion of next week. Professor Beatty and his talented animals have made a great number of friends here who will be glad to see him return at any time.

As an Athlete

It is necessary that our entire should be in the best condition. Whether in training for running, sparring or heavy weight pulling, the athlete finds relief in taking Hood's Sarsaparilla. It keeps his system in good condition and is widely recommended by Lee Jeanette, 10 Ninth St., San Francisco.

Hood's Sarsaparilla

is the only True Blood Purifier Prominently in the Public Eye. Get HOOD'S

Hood's Pills cure Jaundice, constipation

FOR SIXTY LIVES.

The Damage Suit Resulting from the Almy Explosion.

$1,200,000 IS THE AMOUNT

Asked for by Widows and Orphans of the Men Killed—General Conditions at Almy.

RED CANYON, Uintah County, Wyoming, Aug. 1, 1893.

Editor Deseret News.

Dear Sir—The claims of the widows of Almy upon the Rocky Mountain Coal and Iron company for damages arising from the late disaster of the No. 5 Red Canyon mine, on the 20th of March, 1893, have been in the hands of the attorneys—C. D. Clark and Cyrus Beard for the company and J. C. Hamm, S. T. Cate, of Evanston, and Lacey & Vandevanter, of Cheyenne, for the widows, since the 20th of June. It was thought and generally believed that these gentlemen would be able to reach a basis on which the claims could be settled without the delay of the courts, as the gentlemen of both sides are known to be men of clear views, great experience and far reaching in the line of their profession.

But it seems that every effort put forth by either party has signally failed to attain this end. The attorneys, on behalf of the widows, have now filed suit for damages in the third district court at Evanston, Wyo., for the sum of twenty thousand dollars in each case, amounting in all to one million, two hundred thousand dollars.

The case will be laid before the grand jury before the court opens in September, and I am satisfied that it will be fought to the full extent that evidence can be got on either side.

I have no doubt in my mind but the widows will get judgment in their favor, but I feel quite certain the company will take an appeal from the district court to the supreme court at Cheyenne, and it is possible they may carry their case to the Supreme Court at Washington; all this will, of course, occasion further delay in the settlement and will likewise entail a considerable amount of expense.

The provisional committee for the widows and orphans of Almy, who were left unprovided for by the explosion of the C. P. No. 5 mine, inform me that the condition of these families is not over promising, by any means. The entire amount to the relief fund is not more than $2,500 and the previous to their state house will not exceed $200, so that if that only was required, the money would hold out for some months; but as it is the families are very badly off for clothing and shoes. The committee said they use the money for the clothing of these families it will take about all we have to the fund. They feel sorry that so many of their kind sympathizing friends should have sent their money donations to private friends instead of to the bank, so all were notified to do. Had they done so, say they, we would have orders from the merchants the clothing of these families requires, but instead of this the goods have been sent with blankets and shoes that were not suitable to these families under present circumstances.

The committee consider themselves under great obligation to all persons who have so generously aided them by their liberal donations to meet the requirements of so many destitute persons for the past four months, and they feel sure that the same humane feeling of sympathy and aid will be extended to the destitute families until a settlement between the company and the widows be effected. All money given to aid of the sufferers should be sent to North & Shean's bank, Evanston, Wyo, and all goods to the Provisional Committee, per Dr. Gamble, Almy, Uinta Co., Wyo.

The coal trade of Almy is very dull and has been so for some time. The Union Pacific has only worked a little more than half time of late, and the Central Pacific, I should think, little over quarter-time, the last month.

The 4th, our National holiday and the 24th, Pioneer day, passed off here in good shape, considering the dull trade and the late mine disaster.

RICHARD R. HODGSON.

Sunday School Outing.

The Second ward Sunday school and friends will make their annual outing at Hill's park Wednesday, August 9th, leaving the meeting house at 7:30 a. m. A program of races and various other games for prizes has been arranged and an enjoyable time is assured. Necessary conveyance will be arranged for all who wish to go.

Asking for Pioneers.

PLAIN CITY, Weber County, Utah, August 2, 1893.

Editor Deseret News.

As we have recently celebrated the 24th of July, or Pioneer day, in commemoration of President Brigham Young with his noble band of Pioneers numbering 148, including three women and two children, entering these valleys, the thought came to me, I wonder how many of that number are still alive, and where do they live? I know President Wilford Woodruff was one of that number. It would be very interesting to me, and I am sure it would be to many thousands of people to know who of that number still remain with us. They must be getting very scarce. I am aware that many of them are on the other side of the veil; and also the Mormon Battalion are getting pretty well represented on the other side. We need to have some in this part of the country left, and they are all gone. We always invite Father Joseph Skeens on our 24th of July celebrations now. He died some year ago, he being one of the Battalion. I think it proper that future generations should respect those noble men and women. It has become an established custom in Plain City to celebrate the 4th and 24th of July every year. I would like to learn through the NEWS if all the Pioneers now living.

WM. ENGLAND SR.

SALTAIR TRAINS on Page 8

TAYLOR, ROMNEY, ARMSTRONG, COMPANY.

WANTED.

HIGHEST CASH PRICES PAID FOR rags, rubber, iron, metals, rags, paper and all kinds. Hagan & Cannon, 12 East Second South.

THE READERS OF THE NEWS NOT to forget that there is a vacant first class employment agency now in Salt Lake City. An agent of long experience, and a list of situations vacant, everything that agency can supply.

Tyler & Hickman, employment agents, 85 East Third South street. Tel. 905.

SALTAIR TRAINS on Page 8

EVERYONE TO KNOW THAT WE ARE buying and selling more new and second hand goods than any other house in the West. M. Weinstein, 257-259 Main Street.

HAVE YOUR HOUSEHOLD GREASE or other stains removed and rooms cleaned by the Salt Lake Laundry Company. All work guaranteed satisfactory.

OFFICE, 45 MAIN STREET. TELEPHONE No. 576.

$900 MINISTERS, TEACHERS, LADIES, spare moments, wonderful Sacred Discovery. Over 50 new plates. Pages, beautiful. Fifty cts. Sample, 25 cts. Big money and all in all Bible lands. Illustrated circulars free. Address, Historical Pub. Co., Phila.

WE WANT SALESMEN EITHER SEX

To take orders for HARRISON HAMILTON'S NEW BOOK, "Home of the Bible." Sacred, inspiring and thrilling. Handsome new volume; bands, scenes, people and places. Money in it. Only one book, agents work for more than a month. Agents Buyers plenty. Give a certain percentage on sales. Agents report from $50 to $100 a week. Sample free. Address, Hamilton Publishing Co., Philadelphia.

SITUATION WANTED

BY INTELLIGENT YOUNG MAN, steady employment; business preferred; can give good of references. Address A. Deseret News office.

SCAVENGER No. 5.

Closets and Cesspools Cleaned. N. J. SANDBERG, Address: 420 East Second Avenue. Office, 50 Main Street.

THE UTAH JUNK HOUSE

WILL PAY CASH FOR RAGS, BONES, iron, rubber, metals, rags, paper and all kinds of junk. 56 East South Temple St.

HOME FOR SALE—CHEAP.

A NICE LOT WITH SMALL COTTAGE, in desirable locality. Apply at the

MONEY TO LOAN.

BARGAINS IN REAL ESTATE. STOCKS bought and sold. Money to loan on reasonable rates. Taylor Bros., 50 S. Main Street.

NOTICE

NOTICE IS HEREBY GIVEN THAT a meeting of stockholders of Tooele Investment Association, will be held at the office of the association, 48 and 49 Atlas Block, Salt Lake City, on August 26th, 1893, at 10 o'clock a. m., for the purpose of amending article of association, to increase capital stock of said association from $10,000 to $50,000 and transact such other business as may properly come before said meeting. HAROLD M. PITT, Sec. and Treas.

Way not bring us your Prescriptions? We can fill them—and our prices will please you.

BILL BROS.,

The TEMPLE PHARMACY, Opposite Valley House.

WISCOMB & COMPANY,

Staple, Fancy and Green Groceries. 39 East, First South Street.

Cleanse your blood with Godin' Pills Blood Purifier, made from herbs.

Excursion to Boston, August 17 to 22, via the Union Pacific.

The Union Pacific will sell excursion tickets to Boston, Mass., on above dates at $60.00, good returning until October 7. For particulars call at city ticket office, No. 201 Main Street.

BEST IN THE WORLD.

RISING SUN STOVE POLISH. For Burnishing and for cheapness this preparation is truly unrivaled. SUN STOVE POLISH. THE RISING SUN STOVE POLISH CO. PHILA. U.S.A.

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JAS. H. MOYLE, Attorney-at-Law, Rooms 43 to 50 Constitution Building, Tel. 36, 41, 51, 52.

ALEX McMASTER, Attorney-at-Law, Rooms 45, 46, 47, 48, Commercial Block.

L. M. WARDELL & THOS. ARANT, Attorneys-at-Law and Land Attorneys, 217-219 McCornick Block, Salt Lake City.

J. F. GUERIN, PATENT ATTORNEY. Patents in mechanical, electrical, chemical, and all other branches. Rooms 1, 2, 3, Dooly Block, Salt Lake City.

CHAS. M. CANNON, Dentist, Rooms 236 and 238 Constitution Block.

DR. E. M. REYNOLDS, Dentist, Rooms 2 and 3 Dooly Building, 164 Main St. Tel. 1017.

DR. J. THOMAS, Surgeon Dentist, 12 Main St. Above Salt Lake Advertiser.

Chicago Dental Parlors

Can extract teeth without pain; new method painless; no gas; best set teeth $5; gold fillings, $1 up; crown and bridge work a specialty; all work guaranteed; 10 years in Salt Lake; everything done in dentistry; 10 Main Street, Salt Lake City.

DR. J. D. REYNOLDS, Dentist, Parlors in the new Dooly Block, 23 Main Street. First door north of Walker House.

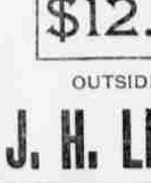
EVERETT HOUSE, UNION SQUARE, NEW YORK.

Favorite resort for Utah people. Fine rooms. Under new management. Thoroughly refitted. Further improvements will be made in the permanent future. In the very heart of the metropolis. Cars transfer to all points. Location convenient and healthy. Accessible from all parts of the city. Rates, $1 per day and upwards. W. H. H. MOTT, Proprietor.

DUNFORD'S SHOEMAKER

Has opened a Shoe Repairing Shop in the Tithing Yard. Shoes for deformed feet a specialty.

WATCHES. WATCHES. WATCHES.



OUR GREAT WATCH SALE CONTINUES. Scores of people came and examined our watches and found that no such values were ever before offered in Salt Lake City. The Watches we offer consist of high grade goods. Our cases are of the highest grade of manufacture, and our movements are all Waltham's and Elgin's. Every timepiece is fully guaranteed by us, and any defective movement, if found, will be cheerfully exchanged.

We will sell our high grade Howard and Swiss movements, cased in solid 14-karat gold AT COST. Also any Silver Watch in our house offered AT COST for SPOT CASH.

We will sell a Workingman's Watch that is dust proof and fully guaranteed, Waltham movement, for $6.50

We will sell a Gentleman's fine gold filled Watch, dust proof, Elgin or Waltham movement good enough to last a life time, for $11.50

We will sell a Ladies' Waltham or Elgin, either movement, in a high grade gold filled case, handsomely engraved or plain, fully guaranteed, for $12.00

We will sell a Ladies' dainty time piece, either Elgin or Waltham movement in a fine gold filled case—a Watch worth $20.00, for $13.00

We will sell a Ladies' 14-karat Solid Gold Watch, either Elgin or Waltham movement, that is worth $35 for $21.50

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