

NATURE STUDY AT THE U. OF U.

Prof. Horace Cummings Lec-
tures Before a Large
Class.

ON TOPIC OF INTEREST.

Synopsis of First Two Lectures Given
Below—A New Subject Which At-
tracts Teachers Everywhere.

(Reported by Prof. J. H. Paul.)

Nature study, said Prof. Cummings, is studying the common things that make up the environment of the child, with the view of describing the funda- mental laws of the sciences. The value of the children's making these discoveries for themselves, is that it stimulates the true scientific spirit and method. These original precepts, for truthfulness and reliability, are far better than those we receive at second hand by description. A high school girl of New York wrote a beautiful essay on the wild flowers of that state. It was a friend gathered and pre- sented to her these flowers, she did not even recognize them. Childhood is the time at which to make original impressions or percepts. The mind is then impressionable, curi- ousity is at its height. What the mind receives then is remembered; the im- pressions of childhood last until old age. These well known facts sug- gest the practice that should be fol- lowed. Place the child in contact with the natural objects studied, in order to give him many clear percepts as possible. It is better to let the children climb a peach tree and observe the flowers than to give them any kind of description of the tree and its blossoms.

The second fact is that new im- pressions can be assimilated, retained, only as they are related to the old and former ones. The child must see everything in relation. The new idea must apply to his previous knowledge. To accomplish this the subject of study must not be separated but should be interwoven or correlated.

NATURE IS TRUTHFUL.

A third aspect of the work is that nature rarely lies to us. Her im- pressions are truthful, and we habitually trust them. A child trusts his own eyes, the fol- low of the wise man, who could not believe Columbus when he showed them that the earth was round. But when we know how deep are the im- pressions made in childhood, we can understand why the wise men could not believe that which contradicted their early percepts and ideas; namely, that the earth is flat and the water level. Fortunately these lasting im- pressions are not often wrong, and we can frankly say that nature is trust- worthy; she always tells us the truth, say, whereas, we cannot tell how people will act. It is painful, however, to have these early impressions dis- torted, and it provokes anger, hatred, suspicion, sorrow, and even despair when they are questioned or refuted. These impressions are our fundamental be- liefs—the gods of our childhood, and we dislike to see them destroyed.

CAUSE FOR EVERY EFFECT.

Before follows that nature study should give to the child the real truth, of the laws of truth, which may be al- so as bad as a falsehood. If the young lady whose essay on botany was so foolish, had only known in the days of her childhood the flowers of the forest, their names, those which grew in shade, the sunshine, the damp, or the dry places, had she observed their colors and known their perfume, she could have written an essay of value. Contact with nature will give us the real truth, a broad foundation for the understanding of other truths. We learn, for instance, that every effect has a cause, that nothing happens, and this knowledge destroys superstition. The child no longer fears the number 13, even sailors are not now afraid to embark on Friday, the hangman's day. All such aversions are prevented early in life by contact with nature, but they will surely grow up without this con- tact.

Nature-study will enable us to con- trol our environment for our good. The modern age with all its inventions, conveniences and luxuries, is due to the application of man's knowledge of natural laws to his surroundings.

EFFECT UPON MORALS.

The study has its effect upon morals. It discourages wrong conduct, for we know that every act of ours will bring its consequences; the violation of law will bring its punishment; sin of any kind will have its effect upon our lives. We may cover up the effect of our acts for a time, but the result will sometime be manifest. In a social sense, nature-study ap- plies to our lives, whatever truth of science it unfolds. Each lesson is socialized in some way, its relation to daily life, its use, its mean- ing, are illustrated and applied in some kind of actual practice.

This subject has had a growth and evolution, like everything else in the universe. Froebel was the first to begin this nature work in the schools, but fifty years ago scientific knowledge was not applied. Even twenty-five years ago the subjects in arithmetic were correlated with each other, much less with other subjects. Today we bind the subjects together as much as possible. The Wilson Readers were the best books of their day. A fur- ther step was to give object lessons in the class, lessons which generally brought original persons to the class, the object to the class or the class to the object, the value of the work the child does, thus giving him a motive and interest in the study. The pur- pose is motive, determines what we shall retain. The relation of self-interest, or value, financial, moral, aes- thetic, is the prominent feature of nature study in nature study.

UNDERLYING MOTIVES.

The motives that underlie nature study, that is, the constant means by which the teacher is reaching the mind of the pupil, are seven in number: 1. Muscular activity. Children, like the young of all animals, enjoy action— an enjoyment that no doubt serves a wise purpose in the development of muscular strength; but in the child, muscular activity is always accompa- nied by mental activity. The mind thinks while the child acts. The wise teacher of the future will be the one who can correlate mental with muscu- lar action, as is done in the kindergarten when we dramatize the activities; that is, when we play fireman, play bear, etc.

2. A more potent motive is curiosity. Children bubble over with anxiety to see, to handle, to taste the things we bring into the schoolroom, on a tray, for example.

3. Love for the teacher will often cause the child to do this work.

4. The lowest motive is the child's fear of punishment.

PRINCIPLES OF METHOD.

The general principles of method that should guide us in nature work may thus be stated:

1. Provide for original precepts, plan for a field lesson; one frog seen in the pond is better than any number seen in a book.

2. Visit places of industry and use photographs and drawings of them, or make experiments in physics and chem- istry. Be sure to make a record of what is seen. The student may write es- says on what he sees, for language les- sons. We should avoid giving isolated nature lessons, but should visit a com- plete farm and study all of its activi- ties in relation to each other. In our farm-garden we plant the wheat, watch its development, put it through its vari- ous processes; we grind it, bake it, eat it. We trace the evolution of in- dustry; we observe the work from the time it leaves the back of the sheep till we wear it. We shear, clean, comb, card, and weave the wool. It is an error to personify natural objects to arouse the artificial interest of the child. One child was taught to think that trimming a tree caused the tree pain. Many of our books talk about baby plants and speak of the bee as a fairy. A very little of this will do for literary purposes, but nature herself is beautiful enough for anybody, and needs no such dressing.

In teaching nature study note the following necessary steps:

1. Observe; take a field trip, an ex- cursion, a visit to the factory. Observa- tion is the foundation of the lesson.

2. Gather the facts and the ideas they suggest, that is, the data.

3. These facts become valuable when we compare them; this is what we mean by correlation, and results in classified knowledge.

Inference, an act of judgment, a decision, which is the valuable culmi- nation of our work.

HAVE YOU DYSPEPSIA, INDIGES- TION?

If to-day you suffer from impaired digestion, sluggish liver or impure blood, and you were told of a prepa- ration which would cure you at a small cost would you try the remedy? There is a medicine—Green's August Flower. Go to your drugstore and buy a test bottle for 25 cents, or the regular size for 75 cents. If you have used all other dyspepsia remedies without satisfac- tion, try this. It has never failed in any preparation for these distressing af- fections. If you have headache, bilious- ness, loss of appetite, sleeplessness, nervousness, or any disorder of the stom- ach or liver, cure yourself quickly by using this famous August Flower. It is not an alcoholic stimulant but quite harmless for general use. Get a copy of Green's Prize Almanac. At all drugstores.

BANKRUPTCY CASES.

Five Persons Were Discharged and One Filed Petition.

Yesterday was bankruptcy day in the United States district court. The fol- lowing five persons were discharged: W. S. Dally of Ogden, W. S. Donaldson of Ogden, Paul C. Nielsen of Salt Lake, Mrs. Anna Kolitz of Salt Lake, Charles E. Ellis of Draper.

A number of cases were adjudicated, as follows:

Frederick Hausing of Salt Lake, George T. Beckstead of Riverton, Charles M. Andrews of Ogden, John T. World of Salt Lake, Joseph Lees of Salt Lake, A. C. Ross, Jess P. Kinross and Charles Seaton of Ogden.

A petition in bankruptcy was filed by D. H. Bero, a Salt Lake architect. His liabilities were scheduled at \$2,034.49, with assets of \$323, of which \$155 is claimed as being exempt from execu- tion.

J. M. BUTLER HURT.

In Trying to Stop a Runaway He Was Kicked by a Horse.

In attempting to stop a runaway horse belonging to a Mill Creek farmer who had brought some berries into his store yesterday, J. M. Butler of 219 State street met with a painful ac- cident which will confine him to his bed for several days and, in fact, he had a narrow escape from being kicked to death. The owner of the outfit is a crippled man, and while trying with Mr. Butler to stop the horse, the animal started off down the street and Mr. Butler started after him, and attempted to get up on the seat of the wagon. The horse was loose and tipped, causing Mr. Butler to fall, but he grabbed hold of the shaft and tried to secure the lines. The horse then commenced to kick, and was going so fast that the young man lost his hold and fell to the pavement.

The fall broke the leg, and in falling he sprained his ankle. After he had fallen, the wagon passed over his shoulder and arms. He was assisted to a nearby store, and later was able to walk back to his store, but upon arrival there he collapsed and had to be assisted to his room, where he will be confined to his bed for several days. The horse collided with an electric light pole in front of the Knuts- ford and smashed the wagon up and scattered berries and other farm pro- ducts all over the street. The animal disentangled himself from the wreck and started on down toward Mill Creek, and it is presumed, went home.

BUILDING FOOD

To Bring the Babies Around.

When a little human machine (or a large one) goes wrong, nothing is so important as the selection of food to bring it around again.

COMMENCEMENT OF COLLEGE PUPILS

Large Crowd Witnessed Exer-
cises in Salt Lake
Theater.

ALL HALLOWS 20TH ANNUAL.

Proved the Most Interesting Func-
tion of the Kind in History of In-
stitution—Diplomas Presented.

The Salt Lake Theater was crowded last evening on the occasion of the twentieth annual commencement of All Hallows college, which proved the most interesting function of the kind in the history of the institution. The col- lege band opened the evening with sev- eral well rendered selections, followed by the reading of this honor list by Rev. E. P. Gueymard, President of the college, presenting the diplomas:

DIPLOMAS PRESENTED.

Julius C. Schmidt, Sandy, Utah, de- gree of bachelor of arts.

Norman E. Kane of Salt Lake City and Leo A. McNamee of De Lamar, Nev., degree of bachelor of sciences.

James H. Dickey, of Diamondville, Wyo., Francis A. Coshin, of Evans- ton, Wyo., and Robert S. Spicer, of Vernal, Utah, degree of master of ac- counts.

Gold medals and class honors were awarded as follows:

Gold Medal—For highest average in the senior class, donated by Frank J. Hagenbarth, of Salt Lake City, awarded to Leo McNamee of De Lamar, Nev. Honorably distinguished.

Norman E. Kane, Salt Lake City, and Leo McNamee of De Lamar, Nev., degree of bachelor of sciences.

Gold Medal—For excellence in the first year commercial, donated by Thomas Kearns, Salt Lake City, Utah, awarded to John Toohy, Bozeman, Mont. Honorably distinguished.

Bertie Carroll, Diamondville, Wyo., de- gree of bachelor of science.

Gold Medal—For excellence in the second year academic, donated by Very Rev. Thomas Galligan, Park City, Utah, awarded to Joseph Adams, Salt Lake City, Utah. Honorably distinguished.

Joseph Scarpino, Salt Lake City, Utah.

Gold Medal—For excellence in the first year academic, donated by Hon. James Levers, Salt Lake City, awarded to Charles McGill, Salt Lake City, Utah. Honorably distinguished.

John McDermott, Ogden, Utah.

Gold Medal—For excellence in the primary classes, donated by John C. Lynch, Salt Lake City, Utah, awarded to Ed Moran, Salt Lake City, Utah. Honorably distinguished.

Ed Shaughnessy, Leadville, Colo.

Gold Medal—For excellence in the senior courses, donated by Very Rev. P. M. Cushman, of Ogden, Utah, awarded to Leslie Earls, Salt Lake City, Utah. Honorably distinguished.

Julius Schmidt, Sandy, Utah.

Gold Medal—For excellence in junior courses, donated by Hon. Tim Kin- ney, Rock Springs, Wyo., awarded to John McDermott, Ogden, Utah. Honorably distinguished.

Thomas Hutchison, Salt Lake City, Utah.

Gold Medal—For excellence in the primary courses, awarded to Edna McCar- tain, Salt Lake City, Utah. Honorably distinguished.

Ed Moran, Salt Lake City, Utah.

Gold Medal—For competition in military drill, companies A and B, donated by James E. Cosgriff, Salt Lake City, Utah, awarded to Philip Fitzmaurice, Salt Lake City, Utah. Honorably distinguished.

John Hooley, Bozeman, Mont.

Gold Medal—For competition in military drill, company C, donated by Rev. Ed Geraghty, Jamestown, N. D., awarded to Charles Felt, Salt Lake City, Utah. Honorably distinguished.

Ed McDermott, Ogden, Utah.

Gold Medal—For excellence in the junior courses, donated by Very Rev. Patrick O'Donohue, Eureka, Utah, awarded to Joseph McCarry, Salt Lake City. Honorably distinguished.

Walter Fitzmaurice, Salt Lake City.

VALEDICTORY ADDRESS.

The valedictory address was given by Julius Schmidt, in which he said: "Our college days are over. They bring pleasure and joy yet they fill our hearts with sadness. Commence- ment severs fond ties and fast friend- ships. We are sad but not regretful. Here we set the first milestone in the journey of life. We are now on the path of life, and we are to follow it, like warriors of old on the eve of battle we are eager for the fray. It is a battle the promotion comes to him who earns it, and while we bid farewell to our alma mater in God, upon our way we will have shaped them, not day, uninteresting specimens of garbled science, nor even the finished and dried, folded and pack- ed product of an automatic machine of knowledge, not ships gaily decked, fresh-painted with full sails, set in a moral compass or a moral helm. We hope, as every up-to-date Catholic institution in good standing in this country, hopes, to have given to the world in the persons of these young

men, a well-rounded, well-balanced manhood, with the power and beauty of human intelligence perfected by the transcendent strength, loveliness, that religious thought alone can give; with the wavering uncertainty of man steadied by moral principles and an enlightened conscience. And in doing this we claim to have bettered the august contention that the Catholic institu- tions of this country are but the pros- trated nurseries of the Catholic religion, and the natural faculties of a stu- dent are stunted under the weight of religious forms and ceremonies. We treat unqualifiedly the unjust and un- founded assumption, and we fling our banners to the breeze just so long as they can combine in one sublime mot- to: God and home and country.

ADVICE TO BOYS.

Ladies and Gentlemen: I hope you will not construe these words to be a boastful assumption of superiority over others as a reflection on other institu- tions or non-Catholics, that are prepar- ing the young generation as we are to take up manfully the responsibilities of their elders and with intelligence and natural courage to solve—equally and justly and wisely the great prob- lems that must confront this great republic with ever-increasing power, wealth and influence, but we do main- tain that as a unit in this great move- ment, as co-laborers in this most im- portant field while our institutions are conducted by private individuals as private enterprises we are in point of public usefulness on a par with the best and most highly useful in the land. For those reasons we neither beg the indulgence of the public nor its toleration, but we demand and expect their confidence and esteem and put forth just claims to their loyal and enthusiastic support, moral and finan- cial.

Now, gentlemen graduates, it has al- ready been very much appreciated and honored privilege to speak to you the parting words of congratulation in our baccalaureate sermon. It pointed out to you the characteristic qualities of chivalrous manhood, the qualities that would fix you in the esteem of the world and endear you to the hearts of your countrymen. Go forth, boys, and be men. Men stamped and sealed in every faculty with the genuine hand of glorious manhood, not bedraggled with conservative bundles of sickly nerves, but men; men walking dictio- naries of knowledge, but men; not por- traitures or imaginative extravaganzas, but men; not dry parchments of scien- tific facts or theories, but men; not the hammer of reason without sentiment, but men. Men, producers of the highest thought, honest promog- ers of honorable and useful enter- prises, exponents of lofty principles, examples of public and private virtue, leaders in every sphere of life that as component parts go to the making of an enlightened and virtuous people. Upon you this institution depends for an exemplification of its teachings, a proof of its theories. In your hands is your honor, is in your keeping the reputation of this, your Alma Mater.

The remainder of the program was occupied by recitations and a comedy, all of which were creditably presented.

More than half a million officials, business, professional men, bankers, farmers and stockmen have been cured by using Hollister's Rocky Mountain Tea. 25 cents. Tea or Tablets. Z. C. M. I. Drug Dept., 112-114 Main St.

STREETCAR COLLISION.

Came Together With a Crash—Mrs. Albert Hertz Injured.

There was a collision of car No. 4 of the First street line and car 135 of First South street, at a late hour last night, at the corner of State and First South. Both cars were loaded, and when the crash came, passengers were thrown in every direction. The only injured person was Mrs. Albert Hertz, who was thrown to the floor and was stepped on during the commotion. The lady was carried into a nearby drug store and Dr. Benedict was called to attend her. The injuries are not be- lieved to be serious.

Both cars were badly damaged by the collision. The following were crowded with passengers, but fortunately none of these were hurt.

Have you been betrayed by promises of quacks, swallowed pills and bottled medicine without results except a dam- aged stomach. To those who offer Hol- lister's Rocky Mountain Tea, 25 cents. Z. C. M. I. Drug Dept., 112-114 Main St.

TWENTY YEARS AGO TODAY

DO YOU REMEMBER!

Once the First was made king of Bavaria, to succeed his brother Ludwig, who committed suicide by drowning the day before. The new king was men- tally incapable of governing, and his uncle, Prince Luitpold was appointed regent.

The city of Vancouver, B. C., was laid waste by fire. There were many fatalities.

TEN YEARS AGO TODAY.

Hon. W. S. McCormick was made chairman of the Utah Republican dele- gates to the St. Louis convention.

Mrs. Elizabeth Bateman Margrett, wife of Phil Margrett, the veteran actor, was buried.

FIVE YEARS AGO TODAY.

Five negroes, members of a gang called Knights of the Archers, were hanged at Sylvania, Ga.

William Clark, a Civil war veteran, died suddenly while bathing in the Sanitarium at Salt Lake.

KEITH-OBRIEN CO.

The nearest place to get to the most pleasing place in buy.

\$2.95 Women's French heel oxfords and fancy dress slippers in patents and French kid

\$1.95 Bargains

Many new effects and lasts. All worth from \$3.50 to \$5.00

Boys' Oxfords. Boys' Shoes. Women's Oxfords. Misses' Oxfords. Misses' Slippers. Men's House Slippers.

SOCIAL AND PERSONAL.

Mr. and Mrs. John P. Cahoon of Mur- ray announce the engagement of their daughter Maude to Robert Johnston Chase. The wedding to take place June 21.

Mrs. J. M. Marriott entertained a num- ber of members of the Ladies' Literary club at lunch yesterday. The decoration were the flags of France and Aus- tria, which contrasted the club ladies have been studying, and the luncheon was served in French style.

Mrs. Olive Holding, visiting with rel- atives in St. Louis, she will shortly leave for Duluth, where she will spend the sum- mer with relatives.

The largest affair of tonight will be the reception given by Bishop Spalding in honor of Brian Brewster, the guest of honor at the host's residence, and a num- ber of the church members to assist.

Miss Clara Midgley will be guest of honor at a china shower tonight, her hostesses to be Miss Hazel Woodruff and Miss Ruby Kresling.

Mrs. Ernest Bamberg entertained in- formally at a tea yesterday.

Mrs. C. S. Tinsley of the Mrs. Clyde Tinsley will leave on Saturday for Los An- geles.

Mr. and Mrs. C. O. Whittemore leave shortly for Los Angeles where they will pass the summer.

The marriage of Miss Fannie Bird and Edward Sterling will take place this eve- ning at the home of the bride, the affair to be confined to the near relatives and friends.

Miss Carrie Vincent and David Sprunt will be married tonight at the home of the bride's parents.

Another of tonight's weddings will be that of Miss Rinda Hamble and Mr. T. W. Beck.

A MIRACULOUS CURE.

The following statement by H. M. Adams and wife, Hettietta, Pa., will interest parents and others: "A mirac- ulous cure has taken place in our home. Our child had eczema five years and was pronounced incurable. When we read about Electric Bitters, and con- sidered to try it. Before the second bot- tle was all taken we noticed a change for the better, and after taking seven bottles he was completely cured." It's the up-to-date blood medicine and body building tonic. Guaranteed. See and buy at Z. C. M. I. drug store, 112-114 So. Main St.

MINES CLOSE DOWN.

Coal Diggers in Wyoming Are Decid- uly Scarce Despite Plenty of Work.

(Special to the "News.")

Hanna, Wyo., June 14.—Mine No. 1 of the Union Pacific Coal company, the col- liery in which 180 miners lost their lives two years ago this month by an explo- sion, also mine No. 2 have been closed down for the present, on account of a shortage of miners. There has been a steady exodus of men to the farms, ranches and other outside employment, and it finally became necessary to shut down.

The same conditions prevail at Rock Springs, Sweetwater, Alby, Diamondville, Kemmerer, Frontier, Cumberland, Muddy, Dietz, Monarch and all other coal camps in the state. The companies are con- sidered with orders, but only a small supply can be sent out.

Good looks bring happiness. Friends care more for us when we meet them with a clean, smiling face, bright eyes sparkling with health, which comes by taking Hollister's Rocky Mountain Tea, 25 cents. Tea or Tablets. Z. C. M. I. Drug Dept., 112-114 Main St.

OGDEN AND RETURN, \$1.00

Via D. & R. G. June 17th.

Trains leave Salt Lake 10:25 a. m., 10:25 p. m., 1:25 p. m., and 8:55 p. m. Returning leave Ogden 7:00 p. m. and 11:00 p. m. Bike races at Glenwood Park 8:00 p. m. Magnificent canyon trip, street cars to the canyon, trout and chicken dinners at Billy Wilson's famous "Hermitage." Everybody in- vited.

THE QUALITY STORE.

ONE PRICE... J. P. Gardner 136-138 MAIN ST.

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ON JUNE 9, 93, I BECAME MANAGER OF THIS ASSO- CIATION, THIRTEEN YEARS EXPERIENCE ENABLES ME TO SAY THIS ASSOCIATION HAS COLLECTED AND IS COLLECTING MORE BAD DEBTS THAN ANY AGENCY IN THE WORLD. WE CAN COLLECT SOME FOR YOU IF YOU TURN THEM IN.

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When Shipment is Made, please NOTIFY US PROMPTLY, and if Public Sampler is Preferred, designate which one, also designate one way.

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CLAYTON MUSIC COMP'NY Utah's Leading Music House. 109-111-113 MAIN STREET.

The Great San Francisco Fire!

Did not reach our factory. We are running to the full capacity of the plant, supplying the enormous demand for our famous products. All grocers are being sup- plied with

Ghirardelli's Ground Choco- late, Ghirardelli's Cocoa

SAME QUALITY. SAME PRICE.

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For June Brides

Diamonds, Silverware, Wedding Rings.

SAL SICKLE

233 S. Main St., South of Kenyon Hotel

GARDNER DAILY STORE NEWS.

Grace, dash, distinction, call it what you will, our Clothing pos- sesses it.

There is a certain something which marks the Gardner kind from the ordinary make.

Men in all walks of life can be fitted here more satisfactorily.

Better value does not neces- sarily mean higher price, pro- vided you KNOW WHERE TO BUY.

If you are not thoroughly de- cided on where that place is, ask your neighbors, most of whom buy at the Gardner Store.

Experience, the best teacher, has taught them so.

It will be time well spent if you call in and ask to be shown our \$12, \$15, \$18 and \$22 Suits—they're a little better for a little less money.

Our dollar Shirts embody all the goodness that can be put into a shirt at that price—no better made.

Good ones, 50c; better ones up to \$3.

ONE PRICE... J. P. Gardner 136-138 MAIN ST.

THE QUALITY STORE.

You will find the most ap- propriate graduation and wedding presents.