Perry County Teachers' Institute.

Pursuant to call of the County Superintendent, the Perry County Teachers' Annual Institute convened in New Bloomfield, Dec., 1st at 1 o'clock P. M.

President in chair.
Prayer by S. E. Buck.
No. of Teachers enrolled 111.

After the opening, preliminary remarks by the President, the Institute proceeded to organize.

Prof. H. B. Zimmerman was elected Vice President and Mesers. G. D. Owen

and H. J. Secrist, Secretaries.

Time of opening and closing the ses-sions of the Institute was then fixed. Forenoon session open at 9 and close

Afternoon session open at 1 and close

Evening session to commence at 7½.

Discussion of Queries. How can discussions be conducted that the deliberations of the Institute will result in the expressions of definite conclusions in regard to the superiority of methods and expedients for the advancement of the interest of Common Schools? Remarks by Mr. W. E. Baker and the President.

How can the Alphabet best be taught?

Discussed by a large number of teach-

ers with considerable interest.

A report and discussion of English Grammar by Prof. H. B. Zimmerman, teacher of Newport High School, clearly showing the simplicity of teaching it, and demonstrating it by a number of sentences.

A discussion on English Grammar en-sued by S. E. Buck, Prof. Zimmerman, S. B. Fahnestock, Mr. Dumm and Mr.

How can we inspire an interest in the pupils to study Grammar

Discussed by several of the teachers. Institute adjourned at 4 o'clock P. M., to meet at half past seven.

EVENING SESSION.

President in chair.
Institute opened with music by the Bloomfield Brass Band.

Report on Reading by S. B. Fahnestock. He suggested excellent ideas, which would be well for teachers to carry home, digest, and practice in their

An Essay by Miss Mary Sweeney, subject; "Woman's Side of the Ques-

A lecture by Prof. Kane, Supt. of York County, subject; What Next? Adjourned. Tuesday, forenoon session was opened

with prayer by Prof. Kane.
The discussion of referred questions

was then taken up.

How do we obtain Knowledge? Open-

ed by S. B. Fahnestock.

When should a pupil commence to read? Opened by W. A. Blain, followed by Messrs. Bailey and Buck.

How shall we teach the alphabet? Discussed by W. E. Baker. Are we aiming at thorough instruc-tion in our schools? Answered by H.

D. Stewart. Messrs. Magee and Smiley were appointed to superintend the election of a committee on Permanent Certificates.

Music, entitled "Little Birdie in the tree," conducted by Mr. Woodruff.

Report on History by J. S. Campbell of Newport. Music, entitled "Fair as the morning."

A lecture on Geography by Prof.

A series of lectures was then introduced by Mr. Woodruff. The first one entitled, "the Teachers' power in governing his pupils," Adjourned.

AFTERNOON SESSION.

President in chair. Discussion of referred questions. Is it desirable to have any other branches on the Provisional Certificate? Referred to H. B. Zimmerman followed by Messrs. Baker, woodruff, Tressler, and the President.

Resolved, by a majority of the teachers that vocal music be inserted as a branch on the Teacher's Provisional Certificate.

Should parents be compelled to send their children to school? Answered by Miss Nicholson.

Besolved, that Education should be compulsory. The resolution was warm-ly discussed. Question called for, and, with but one dissenting voice, voted

How can we acquire a correct knowledge of punctuation? Referred to Mr. Hibbs, followed by Messrs. Zimmerman, Woodruff and Kane.

Election of committee on Permanent Certificates: G. C. Palm, S. B. Fahnes-tock, J. S. Campbell, W. E. Baker, Sue M. Myers, Committee. Music: "Swinging 'neath the Old Ap

pletree;" in which there was a lively inerest manifested by the teachers gener-

Next recitations: "Mother's Fool" by and "Rousing Smack in School," by Morris Thurston, of Newport.

Mr. Woodruff again resumed his subject which was interesting and instruct-

Vocal music. A lecture on Orthography by Prof.

Discussions again resumed.

What should be our first lesson in Geography? Referred to Mr. Glenn, followed by Profs. Kane and Woodruff and

Mr. Picc. Institute adjourned to meet at 7 o'clock.

EVENING SESSION.

President in chair. Music by the Band.

Report on Arithmetic by H. D. Stewart of Tyrone township.

Music by the Band.

Lecture, the "Common School," as an Educator, by Prof. H. B. Zimmerman, The lecture was lengthy and in-

structive.

Music by the Band.

Report on Ichthyology by Prof. Wright, showed thought in its preparation.

Report on Botany by W. E. Baker.

The report was grand and met the hearty applause of a full house.

Music by the Band. Adjourned. inflection.

WEDNESDAY, FORENOON SESSION. President in chair.

Opening exercises, reading of the 90th Psalm, and prayer by Prof. Kane.

The discussion of Queries again resumed. Is it proper to speak of a beautiful sound? Answered affirmatively by Miss Lauver. And afterwards discussed with interest.

What should teachers read? Referred to Jas. P. Long, and discussed gon-

erally.
Should the Scriptures be read in the common schools, and how should the exercises be conducted? Referred to J. S. Scheeder.

Where is the lowest point known to us? Referred to W. E. Baker. After which the President announced a few referred questions.

Report of committee on Permanent Certificates.

The committee passed and reported

the following resolutions:

Resolved, That any teacher desiring to apply for Permanent Certificate, shall appear before the committee at such time and place as shall be made known, and give such evidence of his qualifications as they may desire.

A resolution was offered to elect a crit-

ic, carried, and Mr. Woodruff was duly elected.

Music and an entertaining drill exer-A lecture on the subject of Sound by Prof. Brenneman of Lancaster, dem-

onstrated by interesting and useful ex-periments. Music.

The referred question, Why was the dividing line between the Eastern and Western Hemispheres placed where it is? was opened by S. B. Fahnestock, and discussed by others.

The President announced the programme for the afternoon session and the Institute adjourned.

AFTERNEON SESSION.
President in chair.
The discussion of queries resumed.
How can teachers best secure the co-

operation of parents? Referred to and answered by Miss Laura Liggett. Should corporal punishment be dis-pensed with? Referred to Miss M. Ella Dromgold, and discussed by the teach-Should whispering be prohibited in

school? The question was warmly discussed by the teachers. What are the evidences of the internal heat of the earth? Answered by Sam-

Would it be preferable to use character notes? Discussed and continued.

Music, cheerfully participated in. A lecture on Oral Grammar, by Mr. McNeal, Sup't of Huntingdon county, was delivered, showing its advantages.

Instrumental music.

An experiment and lecture on light, by Prof. Brenneman, in which much interest was evinced by the audience.

Report of critic showed the well fulfillment of his office.

EVENING SESSION Prof. Brenneman gave a lecture on Chemical science, giving many experi-ments which showed his ability in his

profession. Music during the evening by the Bloomfield Brass Band. THURSDAY, FORENOON SESSION. Opened with prayer by Mr. Comp.

Discussion of queries.

To what extent should pupils be taught written spelling? Referred to and answered by Miss C. A. Keser; after which it was discussed by Messrs. Soule, Kerr and Palm. The President then introduced Prof. Geo. P. Beard, Principal of the Cumberland Valley State Normal School, who delivered a very appropriate address to the teachers. Vocal and instrumental music. Directors were called to meet in separate session in the jury-room.

Discussion of referred questions. Should pupils duct or unprepared lessons? negatively by Miss Sophie Owen, and discussed with lively interest.

Should composition be taught in our schools, and if so, in what manner? Opened by Isaiah Stephens.

How can we induce pupils to love study? Referred to Mr. Woodruff and satisfactorily answered by him. Is it proper to say Ohio is bounded by

Lake Erie on the north? Answered by W. T. Smith.

After being warmly discussed, the question on motion, was indefinitely postponed.

Report on spelling contest of 50 words by Mr. Woodruff showed J. W. Soule best speller, having missed but 4 words. A few remarks and the institute ad-

AFTERNOON SESSION.

President in chair. First in order reading of the minutes. A few corrections, and the minutes were adopted. Mr. McNeal resumed his sub--Oral Grammar.

He showed clearly that Oral Grammar could be taught to better advantage than written, and warmly advocated a trial

on the teachers' part.

Song entitled "Swing low, Sweet Charity," by Mr. Woodruff. After which Mr. Woodruff again resumed his subject. His varied questions brought out the ideas of many teachers. object and the best manner of conducting the recitation was carefully considered, and the attentiveness with which the audience listened showed their hearty approval of the manner in which the ject was conducted.

Next, a few pointed remarks on music by Mr. Woodruff, and Vocal exercise.

by Mr. Woodruff, and Vocal exercise.

The discussion of queries resumed.
Should higher Arithmetic be taught
before Geometry? Referred to G. C.
Palm, who replied in the negative.

What basis bave we for Inflections in
reading and speaking? Referred to Mr.
Baily. Mr. Edgar answered that all
positive questions and complete thoughts
take the falling inflection, all regative
ideas and incomplete thoughts the rising
inflection.

Is the water of Icebergs salt or fresh Referred to Elias Shuman, discussed by teachers and pronounced fresh.

Is there proof of an open Polar Sea? Referred to and answered affirmatively by H. B. Zimmerman.

Should religious meetings be held in school-houses? Referred to and answered negatively by Wm. A. Blaine.

Ought woman's wages be less than man's merely because she is a woman? Referred to and answered affirmatively

by Mr. Woodruff. Afterwards discussed by Messrs. Edgar, Decker and Baker.
Should female teachers receive the same compensation as male teachers for similar services? Voted affirmatively.

Remarks by the President.

Institute adjourned to meet at o'clock.

EVENING SESSION. A lecture by E. P. Titzel, Sect'y, of Millerstown school board, subject—Ven-tilation. He showed by illustration, the effect produced on lighted candles, and even extinguished them by means of foul air, asserting that the same effect will be produced on human beings placed in similar circumstances. Urging proper ventilation as the best means to preserve health.

A lecture on music by W. E. Baker, in which he showed the benefits derived from having it taught in school.

A lecture by W. W. Woodrnff—sub-ject, "Success and Failure." Music by the Bloomfield Band. Adjourned.

FRIDAY, FORENOON SESSION.

Institute opened by reading the 50th Psalm, and prayer by Prof. Zimmerman. Explanatory remarks in regard to the teachers' School Reports by the Presi-

A lecture on the methods of teaching elementary composition, by Sup't. Mc-Neal.

Music,-yocal and instrumental. Mr. Woodruff again resumed his subject, — the Methods of conducting Schools, -answering many questions.

The following resolution was offered by S. B. Fahnestock, and was unanimously adopted.

Resolved, That we, appreciating the very able instruction imparted and ex-cellent entertainment given by all who have given instruction, during this their visit to Perry County Teachers' Institute, tender them our grateful thanks, and trust their future labors in the cause of education may be crowned with entire success.

Report of committee on resolutions. The following resolutions were read and adopted :

Resolved, That we recommend the organiza-tion of Teachers' District Institutes, to meet

monthly.

Resolved, That we recommend the adoption throughout the State of a uniform standard for grading the Provisional Certificates.

Resolved, That men of learning, who are at the time eminent educators, should be procured by law to select text books for the whole State.

State.

Resolved, That those Teachers who do not attend the Institute under present laws, manifest a parsimoniousness and lack of zeal which deserve censure from all friends of Education. Reso'ved, That Teachers, Directors, Parents

Meso rea, that reachers, Directors, Parents and all interested, be urged to visit schools more frequently.

S. B. FAHNESTOCK,
J. S. CAMPBELL,
G. C. PALM,
W. E. BAKER,
SUE. M. MYERS,

Committee. Remarks by the President. On motion the reading of minutes was dispensed with.

Largest number of teachers present 143.
Remarks by the President.
Prayer by Rev. Crawford, and the Institute adjourned sine die.
G. D. OWEN,
H. J. SECRIST,
Secretaries.

Secretaries. 0.53 (0.063)(0.58)

County Teachers' Institute, Dec., 2d, 1873.

ICHTHYOLQGY,

BY PROF. SILAS WRIGHT. Ichthyology, or the science of the fishes of Perry county. These may all be included in the Orders Acanthopterygii those having two dorsal fins, of which the anterior one has spiny rays, and Malacopteri which have all the fin rays soft and cartilagenous, except the first in the dorsal and the first in the pec

These orders are subdivided into Families, of which the Percidae, or perch Family includes two varieties of sunfish the rockfish, the yellowperch, and the rockfish, the yellowperch, and the yellowpikeperch belong to the order

The Families of the Malacopteri are the Siluridae, Catfishes, numbering certainly three species. These are distinguished by a naked skin, a mouth bearded with long filaments, and a second fatty dorsal fin. They are also readily distinguished in size and color.

Our common brook trout is the Salmon Our common brook trout is the Salmon fontinalis of Mitchill. The Salmonidae—Salmon Family have an adipose fin and scaly bodies. Rare specimens of the Clupeidae—Herring Family have been caught in the Juniam. The Sauridae are represented in the common pike. The Anguilidae—Eel Family is represented in the bullhended cel, the sharp nosed cel, and the silver cel which is nosed cel. and the silver cel which is readily distinguished by its white abdo-

The Lamprey, Amacoctus bicolor is our final representative of the cartilaginous order. The two species are distinguished as the mud lamprey, and a bluish variety which attaches itself to other fishes for locomotion. These so far as known are not met with elsewhere than in the waters of the Susquehanua and its tributaries. tributaries.

It is believed that fish may be domes ticated to exhibit all the familiarity of fowls for their keepers.

Observations.

Fish are cold blooded and had their origin in the Devonian age of the earth. They are the oldest of all living things, and yet we know the least about them from the fact that their element is not

ours. They most nearly resemble the fewl creation in their mode of motion, living in the water a deuser element than the air their fins are all the wings required for their flights. Their eyes are alike in the general plan of forma-tion and used for about the same pur-pose as the eyes of birds, to protect them from audden attack.

Some of the questions that suggest themselves to the amateur in the study

of Ichthyology are:

1. At what rate per day do fishes usually travel during their migrations to deposit the spawn?

What is the limit of life of the various species? Is the eel the product of its own

kind? In what time does the est attain mature size?

BOTANY,

BY WM. E. BAKER. The Report on Botany embraced an introduction including the following subdivisions—1. Botany lends to refinement
—inculcating love for the beautiful. 2.
The value of Botany in dollars and
cents as evinced by the production of
improved varieties of wheat, fruits, vegetables, &c.,—as shown by the vegetables in manufactures and in the Materia
Medica. 3. What is botany? Archaeelegy of plants. Plants of the third day

Medica. 3. What is botany? Archae-ology of plants. Plants of the third day. The Flora of Perry county.

The plants embraced in the report comprised.—Two series; Three classes; 93 orders 419 Genera; 492Species; 12 varie-ties of which 351 are indigenus, 153, ex-otic; 349, wild; and 155 cultivated. Of these 354 were examined during the season of 1873. There were 504 plants em-braced in the report. braced in the report.

In addition to these the polen of 48 plants was examined with the following

1 had triangular pollen, 26 \*\* oval elliptical 6 10 44 globular heath-like 2 -66 Pine-like 44 very irregular " globular vate 11 spined lobed

While examining plants several orders and many plants known to abound were omitted on account of want of time.

Nearly all the plants embraced in the report were found within five miles of Eschol. Enough has been seen to know that Perry county has a very interesting Flora.

All interested in the further investigation of the sciences in Perry County are requested to choose one of the departments and a territory and go to work to investigate and note for an annual report at the next meeting which will be announced in due time.

READING.

An abstract of a report read at Teachers' In-stitute, December 1, 1873, BY 8. B. FAHNESTOCK.

Not sufficient and attention given it in our

schools. Good reading is an attainment which all should endeavor to acquire. It is of primary importance, since a knowledge of it is a pre-requisite in the attainment

of all scholastic knowledge. The most common faults in reading are:

1. Lack of thought, and, as a result, want of feeling. 2. Reading in a sing-song tone, or mono-

3. Too rapid reading, and as a result, indistinct articulation. Three things contribute in the formation of

tone.

these habits: 1. Teachers who have not given proper attention to methods of instruction in reading. 2. Incorrect idea as to what constitutes good

reading 3. Text-books of too advanced grade for the

The obvervance of the following two principles is essential to success in teaching reading: 1. Earnest and eager work at the study seats in preparing for recitation.

2. The interested attention of every pupil in the class every moment during recitation. Before reading a lesson each pupil should be

1. To pronounce every word in the lesson at sight.

2. To spell every word in the lesson. 3. To explain the meaning of the principal words.

4. To understand the subject matter. And in advanced classes To state the standard pitch, time, quantity,

Methods of teaching reading have reference To the Vocal Element; 2. The Mental Element; 3. To the Physical Element.

and quality.

Under the Vocal Element is included:

t. Pronunciation: 2. Modulation. Beginners should be required to print the difficult words of the lesson on their slates, and the enunciation of the vocal sounds in these, and the pronunciation of the words

and the enunciation of the vocal sounds in these, and the pronunciation of the words should introduce a lesson in reading.

Modulation should be taught by example. The teacher's voice must be the pupils' constant guide. Short examples illustrating different degrees of pitch, quantity, etc., should be rendered by the teacher, and then by the pupils individually and in concert.

Short lessons should be given, and but one thing taught at a time.

Under the Mental Element is included: 1. The Intellect: 2. The Emotions.

Pupils should never be permitted to attempt to read what they do not understand. Books should be adapted to the ability of pupils; and the teachers should by explanation, by description, and by proper rendition render tha language transparent that pupils may see and feel every thought and emotion expressed or suggested.

Pupils should be required to read looking at the teacher, glancing at the book only when pausing and just long enough to eatch the words. In this way reading will be in reality talking from books.

Under the Physical Element is included: 1. Posture, which should be saay and graceful. 2. Gestures, which should be graceful and appropriate.

The great rule for teaching reading is—Follow Nature, and be interested and in earnest

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