



SECRET SOCIETIES. A. O. U. W. INDEPENDENCE LODGE No. 22 meets every Monday night in Masonic hall. All adjoining lodges invited to attend. W. P. CONNORWAY, M. W. BLAIR MILLER, Recorder.

VALLEY LODGE NO. 42. A. O. U. W. meets in Masonic hall every Thursday evening. All adjoining lodges cordially invited to attend. C. A. DOUTY, M. W. W. H. CHAVEZ, Secretary.

LYON LODGE, No. 24. F. & A. M. meets in Masonic hall every Saturday evening on or before full moon each month and two weeks thereafter. W. P. SHAW, M. W. W. P. CONNORWAY, Secretary.

ROMER LODGE No. 8. K. of K. meets every Wednesday evening. All Knights visiting our city are cordially invited to attend. C. W. BUTLER, C. C. BLAIR MILLER, K. of K. S.

PHYSICIANS—DENTISTRY.

DR. J. K. LOCKE, Physician and Surgeon, Bees Vista, Oregon.

LEE & BUTLER, PHYSICIANS AND SURGEONS, —ALSO— U. S. EXAMINING SURGEONS. Office, West side of Main St., INDEPENDENCE, OREGON.

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REPUBLICAN CHURCH. I am glad to testify that I used Pastor Koenig's Holy Bible with the best results for enlightenment, and believe that it is really a great guide for suffering humanity. E. FRANK, Pastor, St. Francis, Knappton P. O., Pa. Last Sunday, Holy Mission, July 9, 90. When I was young my mother had a bad cough and she gave me her Holy Bible. I was crying, and two hours after I had the first attack of heart disease. Pastor Koenig's Holy Bible has done me much good and now had the same effect on my mother. MIOU, A. GUMM, Head of the Church for 16 years. Mrs. J. F. Shaw writes from Dayton, Ohio, Nov. 11: I have had no more of those terrible attacks since I read Pastor Koenig's Holy Bible, although I had them 25 years.

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Claggett's Ferry. The public is hereby notified that the undersigned has bought the ferry at Independence and will always be ready to accommodate the traveling public at the most reasonable rates. I. CLAGGETT.

THE: Willamette Real Estate Co., Independence, Oregon. Transacts a general Real Estate Business, buys and sells Property, effects Insurance and does a general Conveyance Business.

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FULLY 1,000 PRESENT.

The Greatest Institute Ever Held in the Willamette Valley. PLEASURE WITH PROFIT. A Programme Consisting of Music and Papers and Discussions Rendered.

THURSDAY, MARCH 31, MORNING SESSION. The third day's session of the institute was opened by Supt. McElroy. Professor Barzee opened the general discussion, which was participated in by professors Faule, Lena Butler, Murphy, Spillman, McElroy, Campbell, and Hutcheson, each of whom made instructive remarks.

The question of "How to Teach History" was ably presented by Prof. Spillman. Miss Isabel Gray next read a very excellent paper on "Schoolroom Sanitation."

At the close of Miss Gray's paper, the institute adjourned for dinner. AFTERNOON SESSION. The institute convened at 1:30 p. m., when Miss Isabel Bodine, of Albany, read a paper on "Teachers' Responsibility." The paper was very interesting, and was favorably commented upon by J. R. N. Bell.

A vocal duet by Mrs. Coad and Mr. J. Cooper was well rendered. The subject of education in the public school was ably handled by Miss Sarah Tutthill, of the normal school. Miss McDevitt, of Dallas, very pleasingly rendered a vocal solo.

A class drill by Miss Tutthill's elocution class followed, which received favorable comment. Mrs. Grubbe read a paper on "Preparation of the Teacher," which was well received.

Prof. Garland presented the subject of "Equations as a Mental Discipline," but owing to lack of time, no discussion followed. The institute then adjourned till 7:30 p. m.

EVENING SESSION. Although the programme was not to be taken up till 7:30 o'clock, fully an hour before the time, the people began to assemble, and by seven o'clock it seemed all available space was taken. An unusually interesting programme was rendered by the Dallas representatives.

The flag drill, by the little girls of the Monmouth public schools, was well executed. The vocal trio, "Oh, Restless Sea," by Mrs. Coad and Messrs. Snider and Cooper, received a hearty applause, as did also the duet by Mrs. Coad and Mr. Cooper.

The recitations by Miss Savage, of Independence, and Miss Leah Cook, of McMinnville, were recited in a creditable manner indeed. Miss McDevitt, of Dallas, then rendered a beautiful vocal solo.

The lecture of the evening was a most able address, by Pres. Condit, of the Albany Collegeiate Institute. The subject was "The Moulding Influence of Literature."

The vocal solo, entitled "That Melody Divine," by Mrs. Coad, was much appreciated by the entire audience, as Mrs. Coad is certainly a singer of more than ordinary merit.

Next in order was a recitation by Miss Stella Ames, of Salem, which was well rendered. The vocal duet by Messrs. Snider and Morrison, of Dallas, received a hearty encore, and Mr. Morrison in his bass solo was also brought back to the platform.

After the usual announcements, the evening's exercises closed with a quartet by the Dallas club. FRIDAY, APRIL 1—MORNING SESSION. Superintendent McElroy called the meeting to order, and asked for volunteer speeches on the subject of "How to Gain the Confidence of the Pupils."

The discussion of the question was opened by Prof. Anderson, of Salem, who was followed by numerous other prominent educators. The discussion was quite extended, and was very interesting and instructive throughout.

After a short intermission, an instrumental duet by Miss Bruce and Miss Pearl Cooper was quite pleasingly rendered. An instructive paper was read by Mrs. W. A. Wash, of Dallas, on "Some of the Duties of the Faithful Teacher." "The Physical Training of Children" was the subject of an able paper by J. M. Powell, of the normal school, which was quite generally discussed.

W. J. Spillman, of the normal school, appeared on the platform in behalf of the subject of chemistry and chemical experiments, but before he had entered very deeply into the subject, the noon hour arrived, and the institute adjourned till afternoon.

AFTERNOON SESSION. On reassembling, the institute was opened with music by the normal choir, when Mr. Spillman continued his remarks on the subject of chemistry. His remarks were very instructive, and were well received.

"The Best Methods of Bringing Into Exercise the Different Faculties of the Mind" was discussed in an able paper by Prof. W. J. Crawford, of Albany.

Mrs. A. J. Garland, of the Albany schools, in an instructive paper, presented some thoughts on the subject of "Reading." The paper elicited quite a general discussion.

After an intermission, Mary Collins, a student of the normal school, very pleasingly recited "How we Spent the Day."

Prof. Geo. A. Roberts, of the McMinnville schools, read a paper on "Literary Qualifications of the Teacher." The subject was quite ably presented. Superintendent McElroy made some

very appropriate remarks about school journals and reading circles, and also urged the importance of taking steps to be represented at the world's fair.

J. R. N. Bell made some interesting remarks on the subject of school journals, as did also President Condit, of Albany college, and Prof. Crawford, of the Albany school.

A vote of the assembly was taken as to whether Oregon should be represented at the world's fair, and the sense of the meeting was overwhelming that Oregon should be so represented.

EVENING SESSION. Again at an early hour the chapel was filled to its utmost capacity, and it was estimated that there were between 900 and 1,000 persons present, when the house was called to order by President Campbell.

To open the exercises the orchestra rendered another of their beautiful selections, which was followed by a piano trio by Miss Bruce and the Misses Butler.

Miss Ora Bell then rendered a vocal solo, entitled, "Dear Heart," in a very pleasing manner.

The recitation, "Joan of Arc," by Miss Rose Hanson, was well up with, if not a little above, the average.

The vocal solos by Mrs. Coad and Mr. Snyder, of Dallas, were excellent, and received a hearty applause from the large audience.

The lecture of the evening, by President Whiteaker, of the Willamette university, on "Power," was very interesting, and was listened to with marked attention.

The dumb-bell exercise, by the young ladies of the normal school, the exhibition on the bar, and the tumbling by the athletes, was good.

The vocal solo by Miss Mattie Long-acre was well rendered.

Rev. D. V. Poling then sang the bass solo, "A Hundred Flowers Desp," which received a ceaseless encore, to each other, to such a degree that three encores sometimes exist. Westwood states that "the inhabitants of the nest have the instinct so to modify the circumstances producing this state of imperfection that some nesters shall exhibit characters at variance with those of the common kind." This credit them with a wonderful instinct, but it is the most probable explanation. Bees have the power, by difference of food and other ways, of obtaining at will from the same eggs either queens or ordinary workers, and it is possible that ants act in like manner.

In them, we have animals so highly endowed that they may fairly claim to rank second to man in the scale of intelligence. They make roads so as to clear obstacles from their path; when necessary they tunnel, and an observer in South America says that he has seen one of these tunnels under a river as broad as the Thames at London Bridge. They possess milk-cows (aphides) which they carefully tend and protect. For the winter they lay up a store of provisions. They engage in sportive exercises, take part in mock-combats, and play hide-and-seek. Certain individuals of the genus found in Mexico serve as "animated honey-pots" through having their abdomens greatly dilated.

In some countries ants thatch the entrance to their subterranean houses, thus protecting themselves from rain; while in others, leaves are used to form beds for mushrooms, which they cultivate and eat. In Texas, some plant, harvest, and store rice; and on these rice-fields nothing else is allowed to

INSTINCT OR REASON?

Curious Evidences of the Intelligence of the Ant.

OTHER WORLDS THAN OURS. Speculations as to the Possibility of Signaling to the People of Mars.

INSTINCTS AND ANTS. Whether there is or is not an absolute difference between instinct and intelligence is a most question. According to Herbert Spencer, instinct is but one of the first stages in the ascending evolution of the mind, and there is no real difference between instinct, memory, reason, and so on—these names being merely useful as a convenient method of grouping phenomena. Instinct is variable; so is intelligence. The latter is, as a rule, conscious, but sometimes becomes unconscious; and it is possible that the loftier instincts in the higher animals are accompanied by a confused consciousness.

It would be a serious error to believe that all instincts are due to habits acquired in one generation and transmitted by inheritance; to another, for some of the most wonderful instincts could not have arisen in this manner, as, for example, those of the working or sterile ants. Things shown by the observations of Sir John Lubbock, than whom no more careful observer of ants ever lived.

The sterile ants differ greatly in structure and instinct from the males and fertile females, yet from being barren, they cannot have progeny. Again, the nesters differ not only from the fertile males and females, but from each other, to such a degree that three castes sometimes exist. Westwood states that "the inhabitants of the nest have the instinct so to modify the circumstances producing this state of imperfection that some nesters shall exhibit characters at variance with those of the common kind." This credit them with a wonderful instinct, but it is the most probable explanation. Bees have the power, by difference of food and other ways, of obtaining at will from the same eggs either queens or ordinary workers, and it is possible that ants act in like manner.

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grow. Should the grain get wet, it is brought up and dried. The slave-making ants have been brought into a state of degradation through their weak nature; for they have lost their power of building, their domestic habits, their industry; and even their habit of feeding, as when placed in the midst of plenty, they will rather starve than feed themselves.

The different species of ants present different conditions of life, curiously resembling the earlier stages of human progress. The *Formica fusca* lives principally on the produce of the chase; they frequent woods, live in small communities, and hunt singly; their battles are single combats like those of the *Homeric heroes*. These ants probably retain the habits common to all ants. They resemble the lower races of men, who subsist mainly by hunting. The *Lasius flavus* are a higher type; they have greater skill in architecture, and own domesticated milk-cows; their communities are larger, and they set in concert. They resemble pastoral man, who lives on the produce of his flocks and herds. Lastly, the harvesting ants represent the agricultural nation.

The mental faculties of animals have been described as instinctive, while those of man have been termed rational. Instinctive actions are mechanically performed; rational actions require a conscious effort of thought, and with thoughtful adaptation of means to ends. That man possesses certain instincts in common with the lower animals is admitted, but that animals possess reason in common with man is warmly denied. Modern discoveries all tend to prove that man is evolved from the animal kingdom. The comparative anatomy, physiology, and psychology of man and the other animals show how closely they are connected in conformation, organs, and functions; paleontology, the transformations and transitions of forms; and embryology reveals the lower type whence they were evolved. The gaps between the fossil fauna and flora are important, but proofs are accumulating in support of the theory every day.

The perceptions act in the same way; the imagination and the emotions are likewise identical. The higher animals may be regarded as an undeveloped form of man; while man may be called a complex animal.—Chamber's Journals.

NEWS FROM OTHER WORLDS. When, during the beautiful starlight nights, we examine the world of Mars through a telescope, when we see the polar snows breaking up in spring, the continents clearly defined, the inland seas and gulfs, its varied configuration, we cannot help asking ourselves if the same sun which warms and animates that world, so like our own, shines on no living creature; if those rains fertilize nothing, if that atmosphere is breathed by no sentient being, if the world of Mars, which revolves so rapidly in space, can be like an empty railroad train hurrying along with neither passengers nor freight.

The idea that the world which we inhabit could thus revolve around the sun without a living creature on its surface appears so improbable that we can scarcely grasp it. Then, by what permanent miracle of fertilization could the forces of nature, which act there as well as here, remain eternally unproductive? About fifty years ago the astronomer J. Von Littrow originated the idea of

(Concluded on Fourth Page.)

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It pays to make honest, pure goods. Take the success of Dr. Price's Cream Baking Powder that has maintained its standard for purity and excellence for the past forty years. It is the oldest and now the only Pure Cream Tartar Powder to be obtained. Dr. Price has spent almost his whole life perfecting it, and enjoys the distinction of being the only physician that has devoted his time entirely to perfecting the articles of human food that bear his name—a name and a reputation synonymous with pure food preparations throughout the land.

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Mrs. S. G. GRETBE, M. LEAH COOK, W. J. CRAWFORD, A. J. GARLAND, W. J. REYNOLDS, Committee on Resolutions.

"I hear," said the Russian traveler, "that in America there is no such person as a press censor." "Well," returned his interviewer, "that shows that you have been greatly misinformed. Wait till you see the bores the city editor will knock out of my copy!"—Puck.

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