

### SENSITIVE TO SOUND

ACUTE POWERS OF HEARING WITH WHICH FISH ARE ENDOWED.

Some Interesting Experiments That Were Made to Determine Just What Manner of Noises or Motions Would Startle Trout.

There are three phases of sense in fish particularly interesting to the angler—their exquisite powers of hearing, of seeing and their subtle, abnormal sensitiveness to atmospheric influence. With all our experience and study it is doubtful if we have arrived at anything like a full estimate of the acute sensitiveness with which fish are endowed. I devote this article to hearing.

In man sound vibrates the eardrum, and in that way when we are under water we discover little intelligible meaning from sounds. But the same vibrations are undoubtedly received by the exquisitely sensitive hearing intelligence of a fish, if I may use the term, in a different and far more impressive way. By intelligence I mean an instinctive recognition by their bodies of some disturbance, just as man recognizes a passing breath of air. It takes the form of feeling.

I came to the conclusion that I would make a few experiments. Here are one or two facts: A friend entered into it with me, and we be thought ourselves of certain well known trout in our preserve which were "always there." Then we placed thatched hurdles a day or two beforehand so that the fish might get accustomed to them in such a way that we could approach close to their haunts without being seen and watch the unsuspecting trout through a small hole cut in the straw. When one was not at home, the other generally was. My friend undertook the noise making, I the observation.

From the sound of a gunshot 500 yards away, which made our trout distinctly start, to the breaking of a twig three yards from the fish, which did the same, we tried all kinds of sounds, shrill and dull and at varying distances, and the sum of our experiments convinced us of this: That our sensitively organized friends felt the displacements of molecules through ether, which we call sound, and the further vibrating disturbance through what we call water, which I verily believe conducts sensation to the fish as readily as glass permits the penetration of light to this paper, in proportion to the distances and the character of the sound, but that they did hear, or feel rather, and with incredible quickness, too, was conclusively demonstrated.

What they heard and were not alarmed at I cannot tell, but when they were alarmed it was evident enough by the same kind of start they give when their chief enemy suddenly peeps over the bank. In only two cases could I discover actual flight, the fright that sends them down—a gunshot behind the hurdle and a heavy stamp of the foot near by. It is noteworthy that the shrill sounds seemed to startle them most. For instance, a policeman's whistle at ten yards sent one out into the stream as if looking about for some source of danger, whereas a shout at the same distance caused no detected movement. Their way of shifting a little farther from the bank when they have an inkling of danger is a very pretty side movement, well known to all. It seems for the purpose of watching the bank at a better angle.

The common manner of showing their alarm was by a sudden quiver, sometimes followed by a sinking down an inch or two, as much as to say, "What's up?" I very much doubt if I ever crept up to my people without being detected, and yet I was careful, for, if you notice, a trout once on the quit gives no sign of alarm at a second movement or noise. Once prepared he is immovable till he suddenly darts off. You may throw your greatest bait at him, and he either braves it stolidly or bolts clean away. Five minutes' perfect stillness and they settle back to confidence, and then they were again easily startled. I fancy the laws of refraction had something to do with it and that even from the sky they sometimes perceived my movements. I had often suspected this before.

Another conclusion: I believe they heard much they appeared not to. A sudden smack of the hands together, and there was a decided quiver, but a bird rattle, begun very softly and gradually brought up to its very loudest, and no notice seemed to be taken. But doubtless, like ourselves, however loud the noise, the gradient robs it of its startle. However fanciful it may sound, of this I am thoroughly convinced—that water is such an immediate transmitter of vibration to fish that they recognize sound from the air nearly as quickly as man. It is no argument to say we do not when in it. We have no need. Fish have. And because they have they are providentially endowed with supersensitiveness to that particular nervous influence among others.—London Field.

**Two Crooks.** "Funny about young Spenditt, wasn't it?" said the observing man. "Was it?" asked the man of an inquiring mind. "Yes; he lost his money raising Cain in Europe and then made another fortune raising cane in Louisiana."—Baltimore American.

**Useless.** Mr. D. Speptic—My dear, I wish you would prepare something occasionally to tempt my appetite. His Wife—The idea! Why, you have not any appetite to tempt.—Catholic Standard and Times.

Dorothy Dodd.

### POPPING THE QUESTION.

Curious Methods That Preval in Some Foreign Countries.

In this favored land of the free every lover of love has his own way of making love and popping the question, but in some foreign countries the peasant has peculiar and traditional ways of performing those pleasing functions. Among Hungarian gypsies cakes are used as love letters. Inside the cake is a coin, which is baked in it. The cake is flung to the favored object of one's affections. The retention of the cake signifies acceptance, but if it is flung back with force it signifies rejection.

The Japanese lover wishing to make known the state of his feelings throws a bunch of pale plum flower buds into his loved one's litter as she enters it to go to a friend's wedding. If she tosses the blossoms lightly out, the suitor knows that he is rejected, but if she fastens them to her girdle it is "Oh, happiness!" with him. In some parts of Spain the young peasant looks unutterable things, but never tries to speak until he has been accepted. The girl neither looks nor speaks, but she sees. Late in the cool of the evening the youth knocks at her father's door and asks for a gourd of water. It is of course given to him. Then comes the crisis. If he is invited to take a chair within the porch or a seat in the garden, he is an accepted suitor, but if this civility is not extended to him he goes away knowing that he is rejected. If he is accepted, there is a general celebration by the family of the bride to be in honor of her betrothal.

When the Eskimo goes a-wooing, he walks to the house of his loved one's parents and, seizing the object of his affections by her long, strong hair or her furs, carries her away to his hut of snow or tent of skins. No matter how much the girl may reciprocate her suitor's affections, she always makes a show of resistance and tries to run away from him, this for the sake of preserving the conventionalities of Eskimo society.

### AN ANECDOTE OF WHITMAN.

How the Poet Was Trying to Cheer Up a Friendless Boy.

One day I was stopped on Washington street, says J. T. Trowbridge in The Atlantic, by a friend who made this startling announcement: "Wait, Whitman is in town. I have just seen him." When I asked where, he replied: "At the stereotypy foundry, just around the corner. Come along. I'll take you to him." The author of "Leaves of Grass" had loomed so large in my imagination as to seem almost superhuman, and I was filled with some such feeling of wonder and astonishment as if I had been invited to meet Socrates or King Solomon.

We found a large, gray haired and gray bearded, plainly dressed man, reading proof sheets at a desk in a little dingy office, with a tank, unwholesome looking liquid at his elbow distastefully watching him. The man was Whitman, and the proofs were those of his new edition. There was a scarcity of chairs, and Whitman, rising to receive us, offered me his, but we all remained standing except the sickly looking lad, who kept his seat until Whitman turned to him and said: "You'd better go now. I'll see you this evening." After he had gone out Whitman explained: "He is a friendless boy I found at my boarding place. I am trying to cheer him up and strengthen him with my magnetism," a practical but curiously prosaic illustration of these powerful lines in the early poems:

To any one dying thither I speed and twist the knob of the door.  
I seize the depending man; I relax him with resistless will.  
Every room of the house do I fill with an armed force, lovers of one, banners of graves.

**Points About a Good Horse.** There are some points which are valuable in horses of every description. The head should be proportionately large and well set on. The lower jawbones should be sufficiently far apart to enable the head to form an angle with the neck, which gives it free motion and a graceful carriage and prevents it bearing too heavily on the hand. The eye should be large, a little prominent and the eyelid fine and thin. The ear should be small and erect and quick in motion. The lop ear indicates dullness and stubbornness. When too far back, there is a disposition to mischief.

**A Curious Boat.** According to a Chinese legend, there lived in Canton 200 years before Christ an artist named Lin Kao Pong, who won an immortal reputation owing to the fact that he was able to fashion out of a bean pod a boat, complete with rudder, sails, mast and all other necessary appurtenances. Moreover, on the exterior of the boat were engraved various maxims by Confucius. For this masterpiece, it is said, the Emperor Tsi Fou paid him 1,000 taels.

**A Question of Pride.** "She thinks she is entitled to a divorce, but she won't seek it."  
"Religious scruples, I suppose?"  
"No; family pride."  
"How is that?"  
"She's afraid it would make a genealogical tangle that would destroy the value of the family tree for future generations."—Chicago Post.

**Proof Positive.** Timkins—I'd get married if I could find a sensible girl.  
Simkins—I know a nice girl, but I don't think she wants to marry. At least she refused me.  
Timkins—By George, she must be a sensible girl! Introduce me, will you?  
New York World.

**Useless.** Mr. D. Speptic—My dear, I wish you would prepare something occasionally to tempt my appetite. His Wife—The idea! Why, you have not any appetite to tempt.—Catholic Standard and Times.

Dorothy Dodd.

### Animals and Salt.

Among certain people there is a strong idea that nothing is worse for dogs than salt, but as a matter of fact, when administered in small quantities, it materially assists the process of digestion. There is no doubt, however, that to give dogs or any other animals broth or pot liquor in which salt pork or lard has been boiled would be almost equivalent to giving them a small dose of poison. The use of salt among horses, cattle and sheep is advocated by the highest veterinary authorities. Pigs, on the contrary, are extremely susceptible to the poisonous influence of the agent, and experiments have been made which had, after small doses regularly administered, fatal results. Habitually, as a matter of course, all animals consume a certain portion of salt, as it exists in certain proportions in most articles of food.—London Mail.

### Effects of Pepper.

A writer on foods declares that pepper is a vegetable poison, a stimulant, but in no sense a food; a substance nourishable by the vital organs and therefore to be thrown out of the vital domain.

Red or black pepper is a prolific cause of enlargement of the blood vessels and ultimately of disease of the heart. Its immediate effect is to create increased action, not only of the capillaries, causing temporary congestion and even inflammation of the mucous surfaces, but also of the organs which secrete the digestive fluids. Its ultimate effect is to weaken and deaden these organs by repeated stimulation to abnormal action. It also impairs or destroys the nerves of taste in the mouth, together with the gastric or other nerves which aid in the process of digestion.

When these are weakened by stimulants, the functions themselves are necessarily impaired, and confirmed dyspepsia, with its attendant train of bad symptoms, brings up the rear.

### Why the Villain Protested.

"Aha-a-a," growled the heavy villain, scowling savagely at the footlights, "I have her in me power at last. Aha-a-a!" This was the cue for the heroine to enter and give a start of horrified surprise at discovering him with the history of her past life in his hands. But she did not enter.

"Aha-a-a!" repeated the villain once more, while he looked anxiously off stage.

"Still no heroine."  
"Aha-a-a!"  
At this point the stage manager slipped into the wings and hoarsely whispered: "You'll have to aha-a-a four or five times more, Bill. The star has insisted her shoe horn and ain't dressed to come on yet."—Baltimore American.

### Electric Eels.

Horses and mules are, at one time were, made to play a curious part in the fishing operations of South American Indians who eat the gymnotus or electric eel. Humboldt was told that it was their custom to force horses to enter the ponds in which these eels lived, and when the fish had exhausted on the animals their ability for the time being to inflict a shock the fishermen caught them with nets and harpoons, secure from risk themselves. The more excited and angry the electric eel, the more violent is the shock it inflicts.

Humboldt saw this curious fishing on one occasion: "A troop of horses and mules was driven into the water and prevented from coming out by the Indians, who crowded round the pool. The eels, stunned and confused by the noise of the horses, defended themselves by the repeated discharge of their batteries. For a long time they seemed likely to gain the victory over the animals, which were to be seen in every direction, stunned by the frequency and force of the electric shocks, to disappear under the water. Some of the horses rose again and in spite of the vigilance of the Indians calmed the shore, exhausted with fatigue, and their lips being benumbed by the electric commotions they stretched themselves at full length upon the ground. In less than five minutes two horses were already drowned."

Dorothy Dodd.

**Pennsylvania Chautauqua.** For the Pennsylvania Chautauqua, to be held at Mt. Gretna, Pa., July 1 to August 5, 1902, the Pennsylvania Railroad Company will sell special excursion tickets from New York, Philadelphia, Chestnut Hill, Phoenixville, Wilmington, Perryville, Frederick, Md., Washington, D. C., East Liberty, Butler, Indiana, Conneville, Bedford, Clearfield, Martinsburg, Bellefonte, Waterford, Canandaigua, Wilkesbarre, Tumbipken, Mt. Carmel, Lykens, and principal intermediate points, to Mt. Gretna and return, at reduced rates. Tickets will be sold June 25 to August 5, inclusive, and will be good to return until August 13, inclusive. For specific rates, consult ticket agents. Jun 16-21

**ADMINISTRATOR'S NOTICE.—LETTERS** of Administration on the estate of Susan Shaffer, late of Grege township, deceased, having been duly granted to the undersigned, he would respectfully request all persons knowing themselves indebted to the estate to make immediate payment, and those having claims against the same to present them duly authenticated for settlement. W. M. GROVE, Administrator, Jun 16-21

**NOTICE.—Notice is hereby given** that the regular annual meeting of the stockholders of the Pine Island Oil Company will be held at the Lake Hill Hotel in the Borough of Centre Hall, on Friday the 27th day of June, A. D. 1902, at 10 o'clock a. m. The distribution of the assets of the company arising out of the sale of the company's real estate in Clarion county, Pa., will be completed, and all other matters relating to the distribution of said fund among the stockholders of said company, and the settlement of all accounts, and business necessary for a dissolution of said company, will be transacted at said meeting. N. B. SPANGLER, H. Y. STITZER, Secretary, Jun 16-21

### Read It in His Newspaper.

George Schaub, a well known German citizen of new Lebanon, Ohio, is a constant reader of the Dayton Volkzeitung. He knows that this paper aims to advertise only the best in its columns, and when he saw Chamberlain's Pain Balm advertised therein for lame back, he did not hesitate in buying a bottle of it for his wife, who for eight weeks had suffered with the most terrible pains in her back and could get no relief. He says: "After using the Pain Balm for a few days my wife said to me 'I feel as though born anew,' and before using the entire contents of the bottle the unbearable pains had entirely vanished and she could again take up her household duties." He is very thankful and hopes that all suffering likewise will hear of her wonderful recovery. This valuable liniment is for sale by J. F. Smith, H. F. Rossman, J. B. Fisher's Sons.

Write Grant Hoover for prices on insurance.

Dorothy Dodd.

For biliousness use Chamberlain's Stomach & Liver Tablets. They cleanse the stomach and regulate the liver and bowels, effecting a quick and permanent cure. For sale by J. F. Smith, H. F. Rossman, J. B. Fisher's Sons.

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**FOR SALE.—The undersigned offers for sale** at a set price the following articles: 2-TONE POWER MOTORABLE ENGINE. SIDE CUT SINGLE MACHINE. DEAN SAW, complete. 26-1/2 INCH FLOURING BUHL. FLOURING MACHINERY. 12-FOOT ROLLING CONVEYERS. SPOURING MACHINES. LINE SHAFT. ELEVATORS, FLOUR CHISTS, ETC. The following machinery will be sold separately, or can be bought with the balance. Apply to JOHN R. STUBBS, 212-214 N. 1st St., Phila., Pa.

### BANKS.

**Penn's Valley Banking Company,** CENTRE HALL, PA. Receives Deposits, Discounts Notes. W. B. MINGLE, Cashier. July

**House and Lot for Sale.** The Blinn homestead in Centre Hall is offered for sale by the owner, Rev. Robert O'Boyle, in order to close out the estate. The property consists of dwelling house, outbuildings, stable and about five acres of land. The location is pleasant, and will make a splendid home. For further particulars inquire of W. B. Mingle, Centre Hall, Pa.

Of what does a bad taste in your mouth remind you? It indicates that your stomach is in bad condition and will remind you that there is nothing so good for such a disorder as Chamberlain's Stomach & Liver Tablets after having once used them. They cleanse and invigorate the stomach and regulate the bowels. For sale at 25 cents per box by J. F. Smith, H. F. Rossman, J. B. Fisher's Sons.

Dorothy Dodd.

**College of Music.** The summer term of this well known school of music will begin July 21, six weeks instruction and board for \$35. An all-graduate faculty meets at this time. It gives an opportunity to students of all ages and teachers to attend. Parents of a child or children should refer to catalogue to HENRY B. MOYER, PRESBURG, PA.

**ADMINISTRATOR'S NOTICE.—LETTERS** of Administration on the estate of Elizabeth McWhorter, late of Grege township, deceased, having been duly granted to the undersigned, he would respectfully request all persons knowing themselves indebted to the estate to make immediate payment, and those having claims against the same to present them duly authenticated for settlement. J. E. GROVE, J. A. MULLINICK, Attorneys, Jun 16-21

**ADMINISTRATOR'S NOTICE.—LETTERS** of Administration on the estate of Hiram Duff, late of Grege township, deceased, having been duly granted to the undersigned, he would respectfully request all persons knowing themselves indebted to the estate to make immediate payment, and those having claims against the same to present them duly authenticated for settlement. W. M. GROVE, Administrator, Spring Mills, Pa. May 14-20

**ADMINISTRATOR'S NOTICE.—LETTERS** of Administration on the estate of George W. Smith, late of Grege township, deceased, having been duly granted to the undersigned, he would respectfully request all persons knowing themselves indebted to the estate to make immediate payment, and those having claims against the same to present them duly authenticated for settlement. W. M. GROVE, Administrator, Spring Mills, Pa. Jun 16-21

**J. F. GARTHOFF,** Justice of the Peace, Practical Surveyor and Conveyancer, Centre Hall, Pa.

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Dorothy Dodd.

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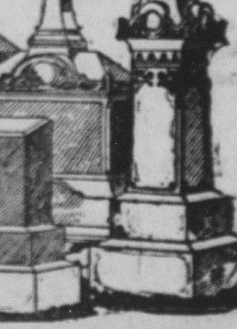
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