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Correspondence.

For the Christian Messenger.

Aurelia.

BY CARL STEINHAMMER

Have you ever noticed as you have crossed or as you have looked from some of the wharves ment of one of these medusae. into waters of the harbor, certain almost transmuch beiter name, although they are not fishes may have learned to call them medusæ. This is their proper name.

will be in its proper element and quite at home. You will find it to be a circular disk of a transparent jelly-like substance, quite thick in the centre and becoming gradually thinner towards the circumterence. Looking at it from above you will observe in the mass what looks like a c rd tied in four open loops, about the centre of the disk. These are the egg-pouches of the animal or ovaries, as they are called .-They are very conspicuous, and appear as you look down upon the animal in the water, like a cross. Now, in the centre of the disk, there is hollowed out of the jelly-like mass a cavity, which, though not to be compared to the stomach of the higher animals-for the jelly-fishes are built upon an entirely different plan-nevertheless performs the same functions. The mouth, so called is immediately below, opening on the underside in the middle of the disk. It you look carefully you will see four very delicate ruffled artains hanging down from the mouth and prolonged to the edge of the disk. They put one in mind of two human mouths placed at right angles, with the lips very much produced in the shape of thin curtains.

The margin of the body of the animal has eight slight indentations forming as many lobes between them. In each of these depressions there is an eye, eight in all. From the central digestive eavity or stomach there go to each of the lobes and indentations, tubes, 16 in all, branching so extensively as to fill up the disk with a perfect network of ramifications.

A delicate fringe hangs from the margin of the body, floating gracefully on the water, and waving with the animal's motions. Our description of the animal is finished. It has no head. There is neither heart, nor lungs, nor brains, nor muscles. It is a mere mass of jelly, composed of cells, each of which performs the functions of nerves and muscles.

The food is digested in the central cavity, and, mixed with sea-water, circulates through the tubes radiating from it to the margin, where there is a circular tube that connects them all together. Prof. Agassiz has called it. This is one of the most simple forms of a digestive and circulatory apparatus.

a parasol with a silken fringe. But how does it move, seeing that it has no limbs? By alterthe disk-pulsations.

mals, birds, reptiles and fish; neither is its body most curious and interesting story. the common conch is an example.

vertical axis.

that all the parts of the body are arranged radi- above. atingly around a line which passes perpendicu-

coral-animals.

construction, in order to prepare you for my immeasurably more valuable than the paltry the ferry to Dartmouth on a fine summer day, story. It shall be the history of the develope- training the mind gets in its search for ear bly

smaller and. The body becomes longer, a de- noble ideas. and are not constructed at all like fishes. You pression takes place at the broader end, which If nature is the expression of a plan conceived something of its structure and habits, you must fresh-water hydra so abundant on the weeds to get a glimpse of His modes of thinking. put it into a glass bowl of sea water, when it floating in stagnant water. As it bears now no If the study of the thoughts of Great men, as resemblance to the adult medusa, it is not to be emb died in their works, ennobles our minds, and wondered at that the naturalist who first saw the if our capacity for thinking is increased by our young at this stage of growth, described it as a attempts at grasping their great thoughts, just distinct animal, and called it scyphostoma. Soon as the arm is strengthened by severe exercise, after this crown of arms is formed around the what a magnificent mental training is derivable mouth, a constriction takes place in the body from the study of God's thoughts in Nature! just below the crown, which becomes gradually. This is, I hold, a more empobling view of the " Methods of Study" in the Atlantic Monthly, minister to his daily bedily wants. "a pile of saucers," or, as the margins of these | One idea more. Knowing and loving the God it."-When the medusa was first seen in this with Him? stage of growth it was thought to be an entirely Museum of Comparative Geology, different animal from either the adult medusa or the scyphostoma, and naturalists called it strobila from its resemblance to a pine-cone .--But let us watch the strobila a while longer .-The constrictions become deeper until the upper one which bears the wreath is so slightly attached, that it falls off and perishes, and now Mr. Editor .comes the time for the breaking up of the pile. It is disk-shaped, with very prominent lobes, and signed to it, in the matter of man's salvation. with a deep depression in such lobe, where is an

The medusa looks as it floats in the water like shaped body, then cup-shaped and attached to the if Faith as a grain of mustard seed could renately contracting and expanding the disk just toma) then a pile of disks, (strobila) each disk to and discernable by others, and lastly because as you open and shut a parasol. Watch one as be hereafter an independent jelly-fish, at first ignorance of the value of Faith is the only reait swims, and you will see it rise and fail with with very prominent lobes (Ephyra) the cycle son I can assign, either for not desiring it, or for You have already seen that this animal is con- wonderful thing connected with this history is grees. structed on a very strange plan. It is not built that the young animal, born from a single egg, Now to recapitulate.—If we knew the value hke those animals which have a backbone and breaks up before it becomes adult into a number of Faith, we should sincerely desire the posseswhich Zoologists call Vertebrates, such as main- of distinct individuals. Now this is, I think, a sion of it. It we sincerely desired it, we should

fish, that belong to the branch of Mollusks, and framework of every animal, even of the most in- tion therete. comprise chambered shells like the nautilus, bi- significant, existed as an intellectual conception Having thus introduced a subject, which upon

larly through the centre of the disk, and that fore which the wonders of the pencil of Raphæl Gospel dispensation or covenant of Grace?all these parts are identical so that we cannot and Michael Angelo, or the almost breathing What are its effects on the mind, in relation to our distinguish one side of the body from the other. marbles of Canova are mere worthless, miserable many and ofttimes pressing earthly interests? It is a radiated animal, and belongs to the imitations. Yet how rarely does the eye rest and what in relation to our spiritual condition

branch of Radiates. There are three classes in intelligently upon them. We pass through the this branch, Echinoderms, or starfishes, sea studio perfectly indifferent to them, just as in urchins and the like; Acalephs, to which class their xistence was entirely meaningless, while the medus, belongs, and Polyps, or the common we search the floor for coppers! forgetful all the while that these will be taken from us when we Now I have a story I want to tell you about leave the studio, and totally unconscious that the this odd little animal, and I have only given you intellectual culture derived from the study of the this description of its general appearance and thoughts of God visibly e pressed around us, is

The medusa is first an egg, then a pear-shaped I like the expression of Pierce, " Matter is the parent jelly-like bodies floating in the water like body covered by minute fringes, (vibratile cilia), language in which Ged expresses His thoughts," submerged bubbles? Sailors call them "sun- by the action of which it moves freely about .- and of Agassiz, " The naturalist is the translator fish," sun-squalls," or "Jelty fish," which is a After a time it fixes itself to the ground by the from nature of the thoughts of God." They are

gradually deepens, forming a tubular digestive by the Almighty, a plan carried out in the mineavity with a mouth-opening above. Around utest details of structure of every natural object, You can easily catch one with a dip net or the upper part of the body a number of arms every sun, every plant, every insect, then the backet. Out of the water it is a mere mass of spring out, surrounding the mouth. In this stage laws which we discover from their study are the jely; but if you wish to examine it and learn of growth the medusa resembles the common thoughts of God, and in this way we are enabled

deeper, while, as the animal grows higher, other study of nature than that of the utilitarian Philconstrictions form lower down, until the whole osopher Cho views it as valuable to him in as structure resembles as Prof. Agassis says in his much, only, as it will enable him the better to

disks are scalloped deeply, "a string of litae- of the Bible, and somewhat, for not at all can we blossoms such as children make for necklaces in be intimately, acquainted with the God of creathe spring, in which the base of one flower is in- tions, shall we not in the Hereafter be the betserted into the upper side of the one next below | ter prepared to enter into more close communion

Cambridge, Mass., June 4th, 1863.

For the Christian Messenger.

Faith.

Dear Sir,-I very much want to urge upon The constrictions deepen and each disk is freed; Ministers and others, the study (individually, but instead of perishing as did the first, it turns and together, with Concordance in hand) of over so as to bring the concave side downward, what the Bible says of that Faith which it enand swims away, a free independent jeliy-fish! joins on all men, and of the place therein as-

Some may say we know all this as we know the letters of the alphabet; that this ought to There are, radiating from the centre to the be so, I admit; seeing that Faith is a first prinlobes, eight branching tubes, while eight more ciple, and that it is so very largely and so very go to the depressions between the lobes. In this clearly treated upon in the Bible. But that it stage of growth it has been called Ephyra. The is so understood, I very much doubt and for the lobes are gradually obliterated as the animal tollowing reasons, viz. : That one aware of the grows larger, while the tubes become more and tact that Faith is the substance of things hoped more branched. The marginal fringe becomes for, must as a consequence, desire to possess it, developed, and, at last, the medusa takes its and that too with a degree of strength and sinadult and perfect form .- Such is the story of the cerity, which, under grace, would place him in developement of the common white-jelly-fish of possession. That it is possessed in any conthe Coast of Nova Scotia. Aurelia flavidula, siderable degree, I doubt, because the influences and effects attributed to it in the Bible, are not It is first an egg, dropped from the ovaries of apparent, and because these cannot be concealed the adult medusa, then a free swimming pear- where faith so exists, concluding as I must, that ground, with a simple digestive cavity and a move a mountain, not a large amount is requisite wreath of feelers around the mouth, (scyphos- to produce effects appreciable by its possessor being closed by the perfect Aurelia. A very desiring it only in its smallest and weakest de-

possess it. If we possessed it, it would be known made up of a series of rings like that of insects, This strange little jelly-fish is God's handi- by ourselves and others. If we possess it not, it crustaceans, and worms, which belong to the work. 'Twas He who planned its whole struc- proves we desire it not. And if we desire it not, branch of Articulates. Nor is the body like a ture and devised its extraordinary mode of de- it proves that we are ignorant of its value, and sack, noted for its compactness, with the organs velopement. Nature is God's handiwork too,- if ignorant, we are so without excuse, inasmuch arranged on the two sides of the body like shell- He has laid the plan not only of worlds; but the as the Bible is very full and very clear in rela-

valve shells like the clam, and univalve of which in the mind of the Almighty before it had a made due attention, will be found to be, more practiterial existence. How many there are who think cal, more profitable, more delightful, and more The medusa belongs to a branch of the Ani- it beneath them to examine or study an insect prolific than can be expressed, I would ask, mal Kingdom, which is characterized by an en- or a shell! But is that which is the expression Who will, through the Messenger or otherwise, tirely different plan from that on which the of a thought conceived by the Infinite Mind un- throw light from the Bible thereupon? or upon members of the other branches are constructed. worthy of our attention? I think not. More- any one of the following, or other, divisions-or It is that, in which the body is made up of a over, I think that the indifference we shew to subdivisions, viz :- Its nature, importance, scope, number of indentical parts arranged around a the marvellous displays of the skill, and power, end, how to be obtained and increased? Where and thought, visible in every object about us, or how often it should be exercised? What You have only to glance at a medusa to see is viewed with displeasure by the Great Being (of any value, religiously) can we be, do, or possess without it? What can we be, do, or This world is a studio full of Divine Art, be- possess, through or by means of it, under the

and interests, and usefulness? Also, particularly what effect on our feelings towards God, and towards man? How would it influence discussion of matters secular or religious? What effect on Preaching, on Prayer-private or socialon exhortation, singing, and how these effects would likely operate on the unconverted, and upon believers, who comparatively have little or no faith, and scarcely know there is such a thing? Also, in what does the riches of Faith consist, and in what so nse is faith precious?

And may the spirit of wisdom and a sound mind rest on any who may attempt to enlighten their brethren, and to induce them to travel in the King's highway of holiness, wherein is no ravenous beast, no temptation, no sin, no obstruction, no alarm, where the ears of the deaf are unstopped, the lame leap as an hart, and the tongue of the dumb sings for joy, where his rest is glorious. For by Grace are ye saged through Faith. We are not under the law but under Grace-Abraham believed God and it was counted unto him for righteousness. The just by faith shall LIVE.

As many as believed on Him to them gave he power to become the SONS OF GOD.

> I am, yours truly, A. B. C.

New York Chronicle please copy.

For the Christian Messenger

Obituary Notices.

ANDREW CHUTE.

Died on the 17th ult., near Port Burwell, Canada, in the 73 year of his age. The subject of this notice was the son of Thomas Chute, and was born in Granville, N. S., on the 15th Sept., 1789. At the age of 24, he married Olivia Woodworth, of Cornwallis; by whom he had 8 sons and 4 daughters, all of whom survive him. In 1841, he removed with his family to Canada West, and settled in the township of Bayham, where in the midst of his children and other friends he spent the last years of a long life. He was converted to God at the age of 20, and was baptized into the fellowship of the Baptist Church in Clements. Thus commenced a connection with the Baptist Church, which bas been sustained for over fifty years. In 1822, he was chosen to the office of Deacon in the church, which he continued to sustain with but liide intermission to the close of life. He was early in life exercised in mind on the subject of preaching the Gospel; but it was not till he had long been a member of the church, that he attempted to teach the Scriptures, then with the approval of his breth en, he frequently went into destitute neighborhoods to preach among the poor the unsearchable riches of Christ. For more than hirty years has he thus in a humble way labored in the ministry; and many times while he has watered others, he has been watered himself .-So long as his health permitted, he was ever found in his place in the House of the Lord; and his voice was heard praying and speaking for Christ, and he was always filled with joy, with seeing sinners converted, and God honored. With the beginning of the present winter, his health began to tail, and his strength gradually gave way, until he became as helpless as a child; but his mind was firm, resting on the rock of ages. Feeling that his end was approaching he summoned his children that he might see them before he closed his eyes in death. We arrived four days before he expired, and found him near his end, but far from fear. Soon after we entered his room, he said that he had been looking over his past life, and had proved the promise even to hoary hairs will I bear you." He then requested us to sing that popular hymn beginning "O sing to me of heaven, when I am called to die," which he seemed to enjoy very much .-The next day his speech had failed, so that it was with difficulty we understood him. The morning before he died an old christian lady came in to see him, and in conversation alluded to his sufferings, when he replied in those beautiful lines of Waits, "My sufferings are not worth a thought, Dear Lord, compared with thine." In the evening, the sick room was filled with kindred and friends, who had come in to see a Christian die. Not a sound was heard except the labored breathing of the sufferer, and an occasional outburst of sorrow from some one who felt that strong ties were breaking. I went to him to obtain one more token of consciousness and recognition; and repeated that precious promise, "Blessed are the dead." When we asked him if he understood it, he consented, again we asked if it comforted him, his countenance brightened with delight, as he answered, "I shall soon prove it," he then called for my mother, and he turned on her one sweet, loving look, but could not speak; it was the last effort of expiring nature, and in half an hour more the tyrant had done his work, and his victim lay still, but the spirit was released, and sought its kindred in the skies; and he was wiser than all of us. The funeral took place on the 19th, when a large concourse testified their respect by following the remains to their last resting place. A discourse was delivered by the pastor of the church, Elder McConnell, from Tim. iv. 7, and 8, and then we laid him in his low bed until the trumpet shall sound.

"Thus star by star declines
Till all are passed away,
As morning high and higher climbs To pure and perfect day Nor sink those stars in empty night But lose themselves in Heaven's own light." ALFRED CHUTE.