

BY D. W. CRAIG.

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(From the Oregon Churchman.)

**THE EXISTENCE OF THE SOUL DEMONSTRATED BY HUMAN PHYSIOLOGY.**—Dr. J. W. Draper, in his late excellent work on Physiology, has placed this matter in a light long hoped for by Christians. After demonstrating the value of a nervous arc, and registering ganglion; by comparison of their development, from the lowest grade of animal life, to the brain of man; he says:

"But what if it should turn out that, from the study of the cerebral mechanism, distinct proof can be obtained on this point—proof of just as cogent a nature in support of the doctrine of the existence of the soul as that which we have of the existence of the external world, and of precisely the same character? Without, therefore, occupying myself with such other evidence as might be drawn from theological or metaphysical sources, and which are therefore extraneous to the object of this work, I shall proceed to point out such considerations as naturally offer themselves to our minds when we recall the general structure of the nervous apparatus. Repeating, therefore, such facts as may be necessary for the proper understanding of this interesting argument, I present it as follows:

The simple ciliated nervous arc consists essentially of these portions, a centripetal fibre, a vesicle, and a centrifugal fibre; the centripetal fibre may have its outward or receiving extremity vesicular or cellular material. Thus constituted, this mechanism is ready to receive external impressions, which, if such language may be appropriately used, are converted or reflected in part by the ganglion into motions, and the residue retained.—But the arc, viewed by itself, is a mere instrument, ready, it is true, for action, but possessing no interior power of its own. It is as automatic as any mechanical contrivance in which, before a given motion can be made, a certain spring must be touched.

The essential condition of the activity of such a nervous arc is therefore the presence and influence of an external agent—a something which can communicate the primitive impression, for without it the mechanism can display no kind of result. Moreover, there must be an adaptation between the nature of that agent and the structure thus brought in relation with it, as is strikingly illustrated by each of the organs of sense. Thus the peripheral extremities of the fibrils of the optic nerve are involved in a combination of a purely physical kind, having relation to the properties of light: the convex surface of the cornea, the unspunured lens, the diaphragmatic iris, the interior investiture of black pigment, these are all structures the object of which we clearly understand. We know that the rays of light must undergo refraction at the curved surfaces upon which they are incident, and depict the images of external forms on the retina or black pigment, the iris expanding or contracting, as the case may be, to regulate the entrance of the light. So completely do we admit this principle of an adaptation of structure to the nature of the agent which is to set it in activity, that in this particular instance, without any hesitation, we class the eye among optical instruments, and include its description in our optical treatises.—But in the same manner that, starting from the well-known properties of light, we advance to the explanation of the uses of each of the various parts of the eye, there can be no doubt that the converse of this method of reasoning would be possible to an intellect of sufficient power, who, from a full consideration of the structure of the eye, might determine the properties of light, guided in doing this by the principle that there must be an adaptation between such structures and such properties; and, in the same manner, a man deaf and dumb, but of an intellect of great capacity, might doubtless, from the critical study of the construction of the ear, determine the nature of sounds.—Nay, even more, it is not impossible that he should be able to compare together the physical peculiarity of the movements which constitute light or sound respectively, and to demonstrate that these originate in normal, and those in transverse vibrations.

So, therefore, these problems present themselves under a double aspect, and are capable both of a direct and an inverse solution: Given the nature of light, to determine what must necessarily be the construction of the order of vision; or, Given the construction of the eye, to determine what is the nature of light; and the same might be said of the organ of hearing. This inverse method of treating natural agents is still in its infancy, because of the extreme imperfection of our knowledge; but doubtless what has been said will recall to the mind of the reader the parallel example which is furnished, within a few

days, by a leading representative of the Hebrews of the West with an elegant painting of the American Flag, having upon its stripes an inscription in Hebrew, from the book of Joshua, chapter first, versus four to nine, inclusive.

**IOWA SOLDIERS' VOTE.**—The official canvass of the votes of Iowa soldiers foots up as follows: Republican, 14,874; Democratic, 4,115. Republican majority, 10,759.

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# The Oregon Argus.

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## Details of Eastern News.

Cairo, Jan. 11.—A Memphis dispatch of this morning, says that McClellan has marched to Vicksburg and superseded Sherman. There has been no fighting at Vicksburg for several days.

A dispatch from Newbern, (N.C.) 6th, reports 4,000 rebels in Goldsboro' and Kingston.

The Richmond Examiner, of the 5th, says it is reported that a great expedition of the gunboats and transports, under Gen. Naglee, left Fortress Monroe, on the 1st, for some Southern port. From indications deemed unmistakable, the enemy is prepared to make a grand demonstration on Goldsboro and Kingston.

New York, Jan. 11.—The steamer Creole from New Orleans, 3d, has arrived.

The purser of the Creole reports that the gunboat Clifton arrived from the Southwest Pass on the evening of the 3d, with news that the rebels had made an assault

on the Federals at Galveston, (Texas), on the morning of the 1st. Our gunboats

were attacked by five rebel steamers. Our gunboats were protected by double rows

of cotton bales. The Harriet Lane was

captured; the officers, including the Captain, and crew—130 in all—were killed by

gunfire from rebel steamers. The gunboats Clifton and Owsasso were engaged, but escaped; the former losing no men, and having but one wounded. Two barges, loaded with coal, fell into the enemy's hands. The Westfield, flagship of Com-

mander Renshaw, was not engaged, she

being aground in a northern channel. Her

crew were transferred to a transport, and Renshaw, fearing she would fall into the hands of the enemy, blew her up. By

some mismanagement or accident the ex-

plosion occurred before the boat, contain-

ing Renshaw and his boat's crew, got

away, and they were blown up with the

ship. The remainder of the crew were

saved. Our land forces, under Colonel

Burrill, probably did not exceed three hun-

dred. The troops which had been sent

there to occupy Galveston did not arrive,

and the place was evacuated. They did

not dismount. All the fleet is now on

the way back to New Orleans. The re-

bels are estimated at about 5,000. Our

loss is estimated at 150 to 160 killed, and

200 taken prisoners. Rebels suffered con-

siderably, as our guns fired grape and can-

ister into their midst.

Cairo, Jan. 11.—By arrival of steamer Memphis tonight from the Yazoo river, we have authentic reports to the 11th—Sherman's repulse was complete. The en-

emy force under command of McClellan

had embarked on transports, closely pur-

suited by rebels' advance, which coming

within range of the gunboats were driven

back with severe loss. At last accounts

the entire fleet, with transports, had ar-

rived at Island No. 82, on their way to

Napoleon. As nearly as could be ascer-

tained, our loss is 400 killed, 1,500 wound-

ed, and 1,000 missing.

Cincinnati, Jan. 7.—Gen. Carter's expedi-

tion to East Tennessee reached Manches-

ter, Kentucky, yesterday, on its return—

The results of the expedition, which con-

sisted of 1,000 cavalry, were the destruc-

tion of two important bridges, the killing,

and wounding and capturing of 550 rebels,

the taking of 700 stand of arms and a

large amount of flour, salt and other stores.

A brisk skirmish took place at Wantaga

bridge and another at Janesville. This

was one of the most hazardous of the

war, and attended with great hardships

and privations. We lost ten men.

Washington, Jan. 8.—The House to-day

passed a resolution thanking Gen. Butler

for his able and energetic administration

of the affairs of the Gulf Department.

A bill was reported by the Committee

on Ways and Means to-day which pro-

vides for the issue of \$900,000,000 of 20

year 6 per cent bonds, for the issue of

\$300,000,000 of legal tender notes not to

exceed \$50,000,000, to take the place of

gold currency and for deposits of coin in

Sub-Treasury receipts. Another section

taxes bank circulation 1 per cent on a

graduated scale, according to amount of

capital.

St. Louis, Jan. 9.—It is stated that a

rebel force under Gen. Marmaduke, in

the rear of Blot and Heron, attacked

Springfield, Missouri, on the 8th. There

has been some fighting since. At noon the

enemy in large force took our guns, but

were repulsed at dark. Militia re-inforce-

ments were coming in.

New York, Jan. 9.—Gold this morning

is 39 per cent premium.

Frankfort, Jan. 9.—The Kentucky Leg-

islature met yesterday. The Governor re-

commends that Kentucky reject Lincoln's

proclamation.

Detroit, Michigan, Jan. 9.—The Michi-

gan Legislature met yesterday and re-elect-

ed Chandler United States Senator for

three years.

Halifax, N. S., Jan. 9.—The steamship

Africa, with date from Liverpool to the

27th and Queenstown to 28th of December,

has arrived.

The news of the Federal defeat at

Fredericksburg was the universal topic in

England. The friends of the North are

greatly disappointed. General deductions

drawn at Liverpool were unfavorable.

GEORGIA.—A late letter from Savannah

says:

Considerable trouble with the slaves

was expected, as all not needed were to

be sent in the interior. Some refuse to go and

are taken by force. A new law has just

come into use, since Lincoln's proclamation.

All soldiers deserting are to be shot, and

slaves are to be hung. But many escape

every night to the ships on the coast and

to Fort Pulaski.

There have been thirty deaths from

diphtheria in one town in Maine, out of a

population of four hundred.

[Tremendous applause.]

In reference to Horatio Seymour he more fervently.

## Dickinson on the "radical" Wadsworth and the "Conservative" Seymour.

For the benefit of the Union men, whether heretofore attached to the republican party or the democratic organization, we give below an extract from a speech made by Daniel S. Dickinson in New York City, Oct. 8th. The rebel organ in this State are claiming Seymour as a "conservative," and denouncing as "radicals" &c., such as Dickinson, Holt, Stanton, John A. Logan, Robert Dale Owen, Bancroft, Butler, Cass, Andy Johnson, and a host of other patriots

who formerly acted with the democratic party—a host comprising the *braia* of the party—while it had any claim to loyalty, but who are now fairly represented by the speech we give below. These men are now truly loyal, and in earnest in trying to save the country. They are all men of brains, and possessing noble sentiments, and for their honest efforts in crushing the rebellion, and because they will not turn aside to enter the field of political jockeying, to build up an opposition party, to the war, to oppose the President, save slavery, and the defeat they experienced at the hands of the people, should serve as a warning to trimmers and traitors, and parades and ingrates through all future time.