

SAYS PSYCHOLOGY IS ENTITLED TO A DOMINION STATUS

Speaker at Science Meeting Declares it Dominant Factor in Life.

Toronto, Ont., Aug. 8.—Psychology is rapidly becoming recognized both as an important science, and a dominant factor in all phases of modern life, according to William McDougall, professor of psychology at Harvard University, and formerly at the University of Oxford, who delivered an address as the president of the special section in psychology at the British Association today.

"Although progress in Great Britain has been slow," he said, "in Canada and America, many opportunities are offered both for teachers and research workers."

"Unfortunately there are many difficulties to be met before the method and the field of psychology can be properly determined. There is still too much tendency to imitate methods already in use. This is the reason why so many psychologists still accept mechanical explanations of human action. They have not the courage to break away from the methods of other sciences which are so well established."

"But in recent years, there has been a strong tendency to moderate the claims of mechanism. These considerations encourage us to claim autonomy for psychology, the right to choose, shape and define its own fundamental conceptions."

Wider View Needed. "The greatest need at the present time is the courage to take a wider view of the meaning of science. If the psychologist finds that character, will, desire, purpose and the like are quantities which can be studied, he must make his science conform to these facts and not abandon them because they are not recognized in physics or chemistry."

"Students of 'human nature' should at any rate claim 'Dominion Status' for their science, he urged. They should invoke and boldly apply the principle of self-determination. Prof. McDougall appealed for fuller recognition of 'purposive striving,' not only because without it, the problems of personal development, social life, and industrial organization, can never be given a distinct or adequate explanation."

"The life of man," the speaker said, "from birth to death is one long series of purposive strivings. Some times, as when he plans his career and sets out to build up a home and a family, his goal is remote and somewhat vague, defined in his mind in general terms only. Some times it is precisely and exactly defined, as when he goes to a favorite dinner at his favorite table in his club or restaurant, and yet but vaguely defined, as when with open mouth and feeble movements of head and trunk, he feels the nipple of his mother's breast."

"There is a vast range of differences in respect of the nearest remoteness of the goal; and in respect of the clearness, and adequacy with which he thinks of his goal."

Striving Goes On. "Yet, in spite of these wide differences, the striving is always one aspect of his waking life. And even in his dreams, the striving goes on, bringing what strange and partial satisfaction it may, to the buried thwarted and denied tendencies of his nature."

"It may be that eventually men of science will agree that there are in the universe two ultimately different kinds of process, the mechanistic and the purposive, the strictly determined and the creative, the physical and the mental."

"But," Professor McDougall concluded, "if I attempt to guess at the future development of science, I incline to follow the lead of the most powerful intellects of all ages, and to predict that, if a resolution, of the two types of process into one, is ever achieved, the purposive type, which we regard as the expression of mind, will be found to be more real than the other."

Disease in Plant Life. The great importance to economic as well as scientific interest, of a study of the question of immunity to disease in plant life, was emphasized by Professor V. H. Blackman. He pointed out the special importance to Canada of scientific investigations concerning plant diseases.

In the past, said Professor Blackman, such studies have been largely confined to the life histories of disease producing fungi and bacteria, and the methods by which such parasites infect the plant host. This line of attack, he pointed out, is no longer sufficient, and it is necessary to study the more difficult problem of the physiological disturbances which are produced by these diseases and the symptoms by which the plant indicates their presence.

This is the method usually followed in considering the analogous diseases

COURT JEWELS



This is the sort of Jewelry American women wear when they are presented to Their Majesties, the King and Queen of Great Britain. The young woman is Miss Sarah Mellon, daughter of Secretary of Treasury Andrew Mellon.

of animals, but with plants it is much more difficult.

Question of Immunity.

In the case of men and animals, the professor reminded his audience, it is often possible to build up immunity to a specific disease by natural or artificial means, but it has not yet been found possible to do this for plants, and it is unlikely that it can ever be achieved. Even if immunity to a disease could be conferred on certain tissues, it would not benefit the remainder of the plant because there is no medium for the transmission of immunity producing substances throughout the whole plant which corresponds to the blood stream of the animal body. Then again, new and susceptible tissues are constantly being formed at points of growth.

The professor also directed attention to the fact that in those cases where natural immunity to a specific fungus has been found to occur in a plant, there is no evidence to indicate the existence in the plant cells of antibodies, the poison neutralizers which scientists are often able to demonstrate in the animal body cells. It is for these reasons, he said, that there is little hope that such anti-bodies can be produced in the plants by artificial means, as is often possible in animals affected by disease.

The greatest success in the fight against the ruinous pests which attack plant life has been gained by breeding and selecting strains, as with rust resistant wheat, which are immune to the particular disease.

Future of Hydro. The hydro and its development was the subject of a paper by Mr. F. A. Gaby before the engineering section of the association today.

Mr. Gaby first dealt with the early conditions which prompted the utilization of the hydro. After the public had first tasted its many conveniences, he said, there was a rapidly growing demand for power and light, and new sources of power were soon required. There have since been many phases in the evolution of the hydro as circumstances have changed.

Mr. Gaby described the transmission network and the financial structure of the hydro, and accounted for the low rates at which power is supplied even in rural districts. He dealt with the Queenston-Chimewa development and the chief sources of new power.

An electric power shortage is in prospect, he said, but the future of the hydro is full of promise.

Ancient Religion. The religions of the ancient tribes who roamed America centuries ago differed but little from practices still prevalent was pointed out by Ruth Benedict in the Anthropology section of the association. "The will of the Manitou was made known to the tribe by visions, for runners of the modern spiritualistic sciences. Through this means he communicated to his followers taboos, immunities, privileges, and even songs. Most of the life of the tribe was regulated in this way, including their ceremonies of initiation, the choice of their rulers, clan organization, hunting and warfare. Conclusions as to the relation of the religious practices to other ceremonies were drawn by the speaker.

Air Photography. "Too much credit cannot be given to Canada for its enterprise in using airplane photography for the prospecting and preliminary survey of the animal, vegetable, and mineral resources of its great hinterland," said Dr. W. W. Watts, professor of geology at the Imperial College of Science and Technology during the course of his presidential address to the geology section of the association today. "A vast saving in cost and time has thus been secured, and the method bids fair to remove the reproach levelled at the British Empire that it has such vast areas which are practically unknown."

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Manchester Robertson Allison Limited KING STREET GERMAN STREET MARKET SQUARE

SUGGEST SITES FOR VOCATIONAL SCHOOL

Properly on Cranston avenue has been offered to the St. John vocational committee as a site for the proposed vocational school at a cost of \$8,500 per acre. L. D. Millidge, agent for the Millidge estate, has asked the committee to give consideration to his property which extends over some 200 acres and has frontage on Cranston avenue.

Another Site. A citizen yesterday made a suggestion of another site which it was believed had much in its favor. This site is that of the former Davenport school near Gilbert's lane. Although there are railway tracks to be crossed to reach the site, the citizen believed that this was not a very serious objection as there are railway tracks crossing Mill street, one of the city's busiest thoroughfares, and that the crossing has not proved a very grave danger.

The Davenport school site, it was felt, was additionally desirable as the Allison grounds at the foot of Rockwood Park would be available for the recreation of the pupils, and there was street car service within a very short distance, while water and sewerage were already on the ground.

MEMORIAL STONE UNDECIDED. The sculptor, Alfred Howell, of Toronto, is now at work on the bronze figures for the civic war memorial for St. John, but has not as yet definitely decided as to whether New Brunswick or Stanstead, Quebec, granite will be used for the shaft and base of the memorial. The figures submitted for New Brunswick stone were so much higher than the amount which Stanstead granite would cost that it has seemed impossible to have granite from this province. However, the matter is still in abeyance.

IRISHMAN IN SPANISH CABINET. Dublin, Aug. 8.—The O'Donnell, Duke of Tetuan, who has been appointed Spanish Minister of War by General Primo de Rivera, is the head of the Irish family of that name. He was president of the Irish Race Convention in 1922 and keeps up his Irish interests.

ONLY FIVE CASES. The public health nurse who was sent to Edmundston for the outbreak of scarlet fever is expected to return to the city today. The outbreak proved of less magnitude than was at first feared and only five cases developed.

F. J. Tilley, milk inspector, who has had supervision of the premises at the farm where certified milk is produced, said yesterday that the conditions there were extremely favorable. The owners had already spent \$2,000 in improvements to their stock barn, although the barn had been an entirely satisfactory one for the production of milk which was to be taken to the pasteurization plant. The herd of cattle will be composed of Ayrshires and Jerseys.

FINED FOR SPEEDING. C. W. Durett of Toronto was fined \$10 and costs by Justice of Peace Jeremiah Donovan last evening on charge of speeding laid by Provincial Constable Robert Crawford.

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DEATHS Miss Anne Yewens.

Friends in St. John were greatly shocked yesterday to learn of the death of Miss Anne Yewens, which occurred at Clifton Springs, N. Y., on Aug. 3. Miss Yewens had spent the last two years in St. John residing at the King's Daughters' Guild and for a short while, until ill health compelled her to resign, she held the office of treasurer for the City Union of the King's Daughters. She was a member of Opportunity Circle. Miss Yewens left that city six weeks ago to undergo treatment. She had come to St. John to rest and regain her health. It was twenty years previously that she had first been in the city. She recalled her former visit with pleasure and remembered that she had stayed at the home of the King's Daughters, which she described as "a little place on a hill with a cross above the door." She wished to stay once more at that place of kindly treatment and not knowing its name she wrote to the postmaster in locating the place which she remembered. He gave her letter to the secretary of the City Union of the King's Daughters and word was sent to Miss Yewens that she would be very welcome. In the two years in which she resided in St. John she had won the warm regard of a very wide circle of friends and had especially endeared herself to hospital patients and any unfortunate that she was able to reach. Her unflinching interest and enthusiasm in the city in which she made her temporary home and her tireless work for all philanthropic causes were a great inspiration to all with whom she came in contact. Miss Yewens was a daughter of the late Rev. Mr. and Mrs. Harry L. Yewens. Her father was for 17 years rector of St. John's Episcopal church, Franklin, N. H. She is survived by two sisters, Miss Mary Yewens, of Erie, Pa., and Miss Kate Yewens, of Sharon, Pa., and one brother, Harry L. Yewens, of Scranton, Pa. Interment was made in the Franklin cemetery.

WILL MOVE SOON TO NEW DWELLING

Plans for the removal of the children from the Britain street and West St. John homes of the New Brunswick Protestant Orphanage to the new property in the Manawagonish road were made at the meeting of the board of directors of the orphanage held yesterday afternoon in the Orange Hall, German street. D. C. Clark, president, was in the chair.

It was decided to move the children and the furnishings of the two homes in about a week or ten days. There are about 100 children in the two homes and the task of moving them and the equipment will be by no means light. Reports given at the meeting showed the health of the children to be good.

Maintenance funds were reported to be at a very low ebb and the need for a vigorous drive for general expenses was specially stressed. A garden party is to be held at the new property on Aug. 26 and 27 when the formal opening will take place and it was hoped that the public response to this opportunity for giving towards the funds would be generous and prompt.

TRANSFER OF 100 CHILDREN TO PROTESTANT ORPHANAGE IS ARRANGED

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GIVES PICNIC ON ISLAND.

J. D. O'Connell, of Cuba, held a successful picnic for the orphans in Charlottetown this week. Much praise was given Mr. O'Connell for his generosity. Many of the citizens turned out with their cars and conveyed the children to the picnic ground. There were thousands of children in attendance, Charlottetown papers announce.

GERMANY TAXES HORSES.

Berlin, Aug. 8.—A horse tax is the latest in Germany and is imposed upon all except animals belonging to peasants. The tax varies according to the character and weight of the horses, the highest being about \$40 a year assessed against fancy coach horses and racing animals.

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