

forms, and would permit of an opportunity for teaching sexual hygiene. The Government might be asked to put restrictions on the marriage of degenerates.

Dr. J. C. Mitchell, Belleville, spoke of the importance of proper marriages. Both father and mother should be mentally sound. Over fifty per cent. of the cases admitted to the asylums are hereditary, and this is likely to increase under our present conditions. Marriages are made indiscriminately and without any special thought as to the future even among those who are intelligent and without the stigma of degeneracy. What can be expected of the feeble-minded or the degenerate classes? It is very important that the children should be more carefully looked after and that early in life it may be ascertained whether their mentality is normal and then education be carried out properly, that children be taught proper control and learn to know something of themselves and their own inner nature. The public require a more general education on the line of marriage, and the medical profession should take up the subject. There is no question that those who are known to be degenerates should be sterilized and more active measures made use of to prevent the increase of this class in our country. Dr. Smith is to be congratulated on bringing a subject of so much importance before us and in proposing a practical method for disposing of it.

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### IMMUNE THERAPY IN PULMONARY TUBERCULOSIS.\*

By A. J. RICHER, M. D., Montreal.

SINCE 1890, when tuberculin was acclaimed throughout the world, to be relegated within a year to that class of toxins called poisonous, therefore dangerous, many clinicians have continued to make use of it in spite of the verdict then passed upon it. To eliminate the danger connected with the use of such a potent poison was a task which there and then fastened the attention of many, so that modified tuberculins have been offered from time to time in such numbers as to be beyond enumeration, much less detailed description. We may mention however, some of the better known ones, such as Koch's T. R. and Bacillen Emulsion, Klebs' T. C. Denys' filtered Bouillon, Béraneck's tuberculin, Landmann's tuberculol, von Ruck's watery extract, von Behring's T. C. and Tulase.

Experimentally, the living attenuated culture produces the most pronounced immunity (Theobald Smith). Tuberculin immunity does not protect itself against virulent inoculation of living bacilli, though it does

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