

in the progress of civilization is higher than that of men. They should be contented with this, Dr. Carrel indicates, and should fit themselves for their own important role without trying to imitate men. Not only will the race be better off, but the individual woman herself will be happier.

"In reality, woman differs profoundly from man," he says. "Every one of the cells of her body bears the mark of her sex. The same is true of her organs and above all of her nervous system.

"It is absurd to turn women against maternity," he declares. "The same intellectual and physical training and the same ambitions should not be given to young girls as to boys. Educators should pay very close attention to the organic and mental peculiarities of the male and the female and to their natural functions. Between the two sexes there are irrevocable differences. And it is imperative to take them into account in constructing the civilized world."

Science News Letter, November 9, 1935

PHYSICS

New Cosmic Phenomenon Reported by Radio Authority

WHAT may be a new cosmic phenomenon involving the sudden disappearance of high-frequency long-distance radio signals for periods of minutes is reported by Dr. J. H. Dellinger, chief of the Radio Section of the National Bureau of Standards (*Science*, Oct. 11).

The still-mysterious phenomenon first appeared on March 30 and has recurred, regularly, at intervals of approximately 54 days. The next occurrence should have been between October 21 and 25. Dr. Dellinger asks in a report to *Science* that any transmission anomalies occurring in a period of a few minutes should be communicated to him.

According to Dr. Dellinger, "The

phenomenon has evinced itself as a remarkable vagary of radio transmission occurring recently at regular intervals, separated in time by twice the sun's rotation period. It is a world-wide phenomenon, or more accurately semi-worldwide, as it involves all high-frequency radio transmission over the illuminated half of the globe and not the dark half.

"Depending apparently on some solar emanation lasting only a few minutes, its thorough elucidation appears to call for the study of such cosmic data as solar activity, terrestrial magnetism, atmospheric ionization, aurora, earth currents, cosmic rays, meteors, etc., as well as high-frequency radio reception."

Science News Letter, November 9, 1935

PSYCHIATRY

Anti-War Document Pioneers In Very Complicated Field

PSYCHIATRY is still in a pioneer stage when it comes to understanding and controlling the aggressive instincts of man that lead him to wars," Dr. William A. White, superintendent of St. Elizabeth's hospital—government institution for mental diseases—said in commenting on the psychiatrists' anti-war document published in the SCIENCE NEWS LETTER, Oct. 26.

"The problem is worthy of our metal. But it is one that is enormously complicated.

"It is all right to pioneer, as these gentlemen are doing," he said, referring

to the 339 psychiatrists of the world who signed the instrument warning of the dangers in the threat of war. "But we have no definite ideas about the final solution of this immense problem. We have to develop not only more knowledge, but probably also new methods of research."

Other American psychiatrists who have sent their names to Science Service as additional signers of the document include:

Dr. Bernard Glueck, New York City: "Add my name in protest against militarism."

Dr. Percy Hickling, Gallinger Hospital, Washington, D. C.: "I heartily agree."

Dr. Lloyd H. Ziegler, Albany Hospital, N. Y.: "A wholesale revival of William James' concept 'The Moral Equivalent of War' is much needed."

Dr. Franklin G. Ebaugh, Director, Colorado Psychopathic Hospital, Denver: "I concur."

Dr. G. Kirby Collier, Rochester, N. Y.: "I am in full accord, and feel that there should be as much publicity as possible given to this statement. The one paragraph, 'We psychiatrists declare that our science is sufficiently advanced for us to distinguish between real, pretended, and unconscious motives, even in statesmen,' should be brought to the attention of all intelligent peoples."

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PSYCHOLOGY

Growth

● "While there are opportune periods for influencing the growth of a behavior-pattern through extrinsic factors, the performance of the effect of repetition or restriction of an activity is dependent not only upon the time the experimental factor is introduced but also upon the duration of its influence. As long as an organism or a behavior-pattern continues growing, so long does it have powers of restoration. Unless the period of deprivation has extended unduly, the restorative powers of the young child are enormous; hence the performances of a child whose activities have been restricted can at a later date, under the proper conditions, be brought to approximate the activities of the child whose opportunities for action have been stimulated."—Myrtle B. McGraw in GROWTH (*D. Appleton-Century Co.*)

Science News Letter, November 9, 1935

Some safety shoes made for workmen have steel toe caps that will stand 1,950 pounds before deflecting a quarter of an inch.

● RADIO ●

Tuesday, November 12, 4:30 p. m., E.S.T.
HAZARD IN HOUSEHOLD HEATING,
by Dr. Wilmer H. Schulze, City of Baltimore Health Department.

Tuesday, November 19, 4:30 p. m., E.S.T.
A NATIONAL HEALTH SURVEY, by
Surgeon General Hugh S. Cumming, U.S. Public Health Service.

In the Science Service series of radio addresses given by eminent scientists over the Columbia Broadcasting System.