have with us, viz., Dean Acheson, Eleanor Roosevelt, and Adlai Stevenson, to name but very few; all, it should be noted, people of the very deepest humanity.

In 1950 Bertrand Russell said: "The human race could, here and now, begin a rapid approach to a vastly better world, given one simple condition: the removal of mutual distrust between East and West. I do not know what can be done to fulfill this condition. Most of the suggestions I have seen have struck me as silly. Meanwhile the only thing to do is to prevent an explosion somehow and to hope that time may bring better wisdom." (l.c., p. 64) Up to now no word has come that, since the appearance of the committee's pamphlet or Dr. Phillips' article, the British sage has modified these 1950 views.

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## Stress Research

An ever increasing number of articles deals with problems pertaining to research on "stress" and the so-called "adaptive hormones" (ACTH, STH, corticoids, adrenergic substances, etc.).

In 1950, the Institute of Experimental Medicine and Surgery of the University of Montreal initiated the publication of a series of reference volumes entitled Annual Reports on Stress (Acta Medical Publishers, Montreal), in which the entire current world literature is surveyed every year (usually between 2000 and 4000 publications). Up to now, we have had to compile the pertinent literature partly from medical periodicals, monographs, abstract journals, and partly from reprints sent to us by the authors themselves. Of all these, reprints proved to be the best source of data which we felt deserved prompt attention in our annual reports. Hence, in the past, we have sent our several thousand individual reprint requests to authors whom we knew to be currently engaged in research on stress and allied topics.

We would like to encourage investigators interested in stress research to send us their reprints for this purpose as soon as they become available.

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## "The Earth Is Born"

I RECENTLY sent a letter to Life protesting certain points in regard to its quite striking pictures and the text of "The Earth Is Born." Life edited my letter by removing my remarks relative to granite floating in its liquid, and I wish to present the full letter for publication in Science. In 1950, there was a conference at Rancho Santa Fe on the origin of the earth, attended by chemists, geologists, and astronomers. The geologists concluded rather definitely, I thought, that a non-liquid origin of the earth was probable, and convinced me of the reasonableness of their arguments (1). I suppose that all these men dashed off letters to Life relative to certain details of its story and fared even more badly than I did, since their letters evidently were not published at all. My letter follows:

"I wish to compliment Life on the magnificent pictures of "The Earth Is Born," but also wish to criticize these pictures in certain details on the basis of scientific fact and deduction.

"(1) Water is the only common substance whose solid, ice, floats on its liquid. The rocky materials of the earth sink in their molten liquids and therefore it is difficult to see how the continents were formed as great blocks of solid granitic masses floating in liquid or coming to rest on sunken platforms of basalt. I know of no statements of scientific workers recorded in the serious scientific literature that agree with this view. Moreover, when a mixture of silicates freezes the more dense constituents crystallize first and sink. If the earth was formed in a molten condition—and there is disagreement among scientific students on this point—then the continents were formed from the last liquid to become solid. On the basis of your story, God must have stuck close to this insignificant planet and given a helping hand at crucial moments. I prefer to believe that His laws of nature, including the differences in densities of solid and liquid rocky materials, were sufficient to accomplish the end result without further intervention. Unless this assumption is made, the whole course of the origin of the earth cannot be solved by scientists and belongs in the realm of folklore and mythology. Incidentally, the laws of floating bodies were discovered by Archimedes in the third century B.C.

"(2) If the moon was completed some 10,000 miles from the earth's surface, i.e., just outside the distance at which the tides would break it up, or 11,600 miles from the center of the earth, it certainly would have had an egg shape and as it subsequently moved away from the earth its shape must have changed to its present nearly spherical one. This would have caused a great break up of its surface, and the cracks in its surface should have some sort of concentric pattern about the center of the moon's face. I can see no such pattern. Moreover, the primordial egg-shaped moon would have a larger surface than the present spherical one and hence as the former changed to the latter, buckling of the surface should occur and folded mountains be formed. Fissures in the moon's surface are remarkably open and no folded mountains have ever been identified. Again, the earth contains large amounts of metallic iron and the moon does not. Would it not be well to give the cosmic chemical engineer some help in getting iron on the earth and little on the moon by keeping them some reasonable distance