

established. There is slowly rising in our history a tempest that will involve our capitalistic economy and democracy. In the United States there have been at work since the days of Alexander Hamilton the same forces that created Hitler. So important to the world at large is this coming crisis that the Temporary National Economic Committee included in its final report in March, 1941, this warning: "We know that most of the wealth and income of the country is owned by a few large corporations, that these corporations are owned in turn by an infinitesimally small number of people and that the profits from the operation of these corporations go to a very small group with the results that the opportunity for new enterprises, whether corporate or individual, are constantly being restricted."

In 1850, Dr. Ernest Engel, a German economist, published his study of the relationship between family income and expenditures. He found that as a family's income increased the percentage of income spent for luxuries, health and education increased. Today we are certain that education is responsible for the decrease in the size of families. There is no guarantee, however, that classes with the lowest birth rate (biologically speaking) are the best. Social and cultural lag are not items of biology and eugenics, neither are they dependent upon the improvement of race. They are dynamic only in an economy of freedom! The forces that aim toward the concentration of land might heed the phenomena revealed by Engel.

There is no need for the liquidation of peoples to free the world from undesirable organisms. Give to the people an efficient industrial system with free access to the land and the full reward of their labor. This is the only means under the sun to bring man into correct relationship with his fellow men—association in equality. This is the sure road to progress and the only way to permanently free the world of war.

Sidney Armor Reeve

Social Energetist

By IRVING M. KASS

SIDNEY ARMOR REEVE (1866-1941) was an outstanding authority on entropy, energy and thermodynamics who applied the scientific method to sociology. His scientific textbooks are used today in the universities, and his steam turbine tables are standard in Annapolis, where he lectured on the interaction between moving ships. He was a qualified expert in Federal Courts on ship collision, explosion and pressure.

Unfortunately, his work in social science was not so readily recognized. He was compelled to leave the Polytechnic Insti-

tute in 1906, where he had been a Professor of Steam and Hydraulic Engineering for ten years, because of his publication of sociological books.

Reeve was inspired to study sociology by a reading of Henry George's "Progress and Poverty." Although as early as 1909 he had assembled sufficient calculations and data to found a Science of Sociology, he was not ever permitted to lecture, debate or present his theory, thus meeting the same conspiracy of silence that has greeted George himself.

Reeve founds the Science of Social Energetics on the same firm base as all other science. With careful reasoning in mathematics, he carries forward Johann Kepler's proof of motion step by step, until the different forms of energy transformation have been sufficiently examined to leave no loophole for error. Then he applies these laws to the social body. He spent twenty-seven years in an historical research to prove, by the testimony of man's record of war and social changes, that the same mathematics and reasoning applied equally to Entropy, Energy and Pressure, whether they were in a steam boiler or in the social body.

As an illustration: If more and more pressure, due to continuously applied heat, strains a boiler, it will burst with enough force to blow up a building. Likewise, if too much unassimilated economic pressure is applied to the communications of the social body, although it first plasters patches on the weak spots, hopelessly trying to forestall the inevitable break, the energetic social pressure will finally break all bounds into a Social Convulsion.

Reeve's calculations were all scientific, in nowise mystical. In 1906 he wrote that, "we are approaching a convulsion period." In 1928 he wrote that, "by 1930 our circulating medium of stocks and bonds would go the way of the French assignats." Shortly before his death last year he wrote that, "we would have thousands of men overseas in less than a year," betting the entire scientific value of his work on this statement, and that, "the social convulsion we are in will last until 1970 and cost 50 to 60 million lives, 5 to 10 from the United States." In 1939 he wrote that, "the national debt will be more than 100 billion by 1942," commenting on a *Saturday Evening Post* article that predicted it would be 42 billion. These are all precision calculations in scientific, mathematically measured reasoning from cause to effect, the result of forty-eight years of work.

Why did Reeve not at least get the opportunity to compare his calculations with those of his intellectual peers?

Fortunately, a devoted following has enabled the publication of five of Reeve's books, and much of his work remains in manuscript form in the New York Public Library. In this hour of crisis, every person who feels responsibly concerned over the destiny of our country should consult the work of Reeve, especially "Social Energetics," "Natural Laws of Social Convulsion" and "Cosmic Energetics."