

NEW BOOKS ON SCIENCE

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THE AUTH

MEDICINE

Major Scourge

• "Malaria is one of the most important diseases of man. Only a few years ago Manson remarked that malaria causes more deaths, and more predisposition to death by inducing cachectic states predisposing to other affections, than all the parasites affecting mankind together. Another great scientist, Osler, referred to malaria as the greatest single destroyer of the human race. Today, with all the accumulated information as to its etiology, treatment and prevention, malaria remains a major scourge, exceeding all other diseases in reducing the vitality, and in impeding the industrial development and political progress of the inhabitants of many tropical and subtropical countries." — James Stevens Simmons and others in *MALARIA IN PANAMA (Johns Hopkins Press)*.

Science News Letter, April 22, 1939

PHYSICS

Want To Reduce?

• "The variations of gravity at different places on the earth's surface are so small that they are neglected in ordinary affairs; but if one could go to the moon, his weight would be about one-sixth that on the earth. A bantam athlete weighing 100 lb. here would weigh only 15 lb. on the moon, and he could do a high jump of 36 ft. On the sun he would weigh more than a ton; on the planet Jupiter, a paltry 260 lb. If our bantam athlete should visit the smallest asteroid (or small planet) yet discovered, he would be able to jump over a skyscraper with the greatest of ease!" — Oswald H. Blackwood in *INTRODUCTORY COLLEGE PHYSICS (Wiley)*.

Science News Letter, April 22, 1939

ENGINEERING

Not Practical

• "Powers of nature such as solar heat and the energy of the tides have been explored, but they require large outlay for plant, they are necessarily restricted as to area, and are intermittent in action, so that they could not become more than ancillary to, say, a grid system. The production of electrical energy from light by the selenium cell is still further in the background and suffers from the same drawbacks. The pro-

ORS SAY:

posal to get heat from the interior of the earth, to details of which Sir Charles Parsons gave close attention in 1904, has hardly been pushed far enough for an opinion to be formed as to its practicability. As long as our fossil fuel lasts, these latter expedients will not engage concentrated attention, but when the fuel is gone they will come again to the front."—H. W. Dickinson in *A SHORT HISTORY OF THE STEAM ENGINE. Cambridge (Macmillan).*

Science News Letter, April 22, 1939

BIOLOGY

Seaside Life

• "While the visitor is puzzling over his first sea anemone, a score of crabs may scurry away at his footfall or may rear up and offer battle in defense of life and liberty. When he turns to watch the crabs he may see a bed of urchins, their bristling spines half concealed by bits of seaweed and shell. He may stoop to pick up a snail, only to have the creature roll from the rock at the approach of his hand, tumble into a pool, and scramble away at a very un-snaillike pace. He hears scraping sounds and clicks and bubblings, perhaps sharp cracks like tiny pistol shots. Jets of water shoot up. Everywhere there is color, life, movement."—Edwards F. Ricketts and Jack Calvin in *BETWEEN PACIFIC TIDES (Stanford).*

Science News Letter, April 22, 1939

HEREDITY

Improving Humans

• "No radical change in the genetic make-up of human beings can be expected for a long, long time. Nor are we justified, with what little we now know about our genes and their workings, and with our uncertain and short-sighted viewpoint, to plan any drastic change. We can and should try to root out the most serious of the 'black' genes which do not appear to have a single point in their favor; we can and should restrain reproduction of individuals who at any stage of civilization would be considered undesirable; and we can and should encourage propagation among all peoples, who by every broad rule of human existence can be considered fit and desirable."—Amram Scheinfeld in *YOU AND HEREDITY (Stokes).*

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