

Since the Earth is constantly bombarded by electrons from the sun (but not protons) it seems ~~that~~ that the Earth will have a net negative charge (at least vis-à-vis the sun, and probably the universe as a whole).

These differences in charge should exert a small but real attraction, in addition to that due to gravity. It may be ^{slightly in} confused with gravity, giving a slightly false value for the latter from conventional measurements.

ARTIFICIAL MUSCLES

1988-8-3

Animal muscles are a highly evolved method of converting chemical energy into motion. Surely they could be copied synthetically - an ideal application of biomimetics.

ROTARY STEAM ENGINE

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With the development of rotary and orbital engines a la French & German, it ought to be possible to adapt the same technology to produce rotary/orbital steam engines. There would be a boon in Third World countries and elsewhere, especially stationary engines for mills etc, as they could burn any organic fuel. Also solar powered engines using the silvered balloon should be possible.