

Newcastle-upon-Tyne 18th November 1836
Carlisle

Dear Sir,

Dr. Lardner directs me to request that you will have the goodness to procure a black-board of sufficient magnitude for Tuesday next, as he finds that it will be necessary on that night. —

I have the honour to remain
Dear Sir
your obed^t. Serv^t
Leonard Niedzwiedzki —

— Brown, Esq

Philosophical Society
Carlisle

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The first of these is the
 fact that the
 system is not
 a simple one
 but a complex one
 involving many
 different parts
 and processes
 which are
 interrelated
 and interdependent
 in a very
 important way
 and which
 require a
 thorough
 understanding
 of the whole
 system in
 order to be
 able to
 manage it
 effectively
 and to
 bring about
 the desired
 results.

The second of these is the
 fact that the
 system is not
 a static one
 but a dynamic one
 which is constantly
 changing and
 evolving in
 response to
 the changing
 conditions
 of the
 environment.

The third of these is the
 fact that the
 system is not
 a closed one
 but an open one
 which is in
 constant contact
 with the
 outside world
 and which
 is affected
 by the
 actions of
 other
 systems.

The fourth of these is the
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