

2 Lecture Wednesday 11th June 83

recapitulation of the preceding
lecture - main natural wants
gave rise to arts and crafts were refined
into science - Dynamics and
composition - Chemistry Definite
+ How bodies are formed from
particles - straight line ^{of particles} as velocity
each other - Weber's surface
Dynamics attending them
+ Boscovich's Theory -
- particles not in contact
A measure of expansion and contraction
will find its way thro' the leaves
of a thick book - Saw metals
fused together produce a compound
whose specific gravity is greater
than either of the metals separately

Copper and Tin - Best metal
+ Mirrors of reflecting telescopes
very - His remarks by Devel
John Optics affords many
proofs - A plano-convex laid on
a plain glass prepared gently
point of contact is clear & colour
rings - weight increased very much
- when very great a dark spot
in the centre - Mr. N. -
Two brass plates strongly pressed
to get well where almost
firmly as by the parts of the
same plate -
- when a piece of glass is broken
no mechanical force can ~~move~~
the pieces while the particles
are near each other. -

Indian rubber -
- Newtons Soap bubbles -
- Electric light popping along
a chain -
+ Mr. M. Proove Bouché's
to be true. -

When the particles of matter
are removed a distance beyond
the limits of attraction and
allowed to approach each
other slowly, they assume
peculiar forms - Crystallization - This seems to be the
effect of certain attractions &
repulsions among the particles
of the ~~solid~~ body -
- Magnetic curves -

+ when powdered & viewed in
transmission on an easel & held to the
eye it forms regular figures with
angles of sixty degrees. —

+ most metals when cooled in
pore into particular forms ^{also} ~~also~~
— Sulphur the same. —

In sublimation Crystals are
formed diff. from those formed
by precipitation in the same
salt — Salt Amt. —

Two modes of separation
— Evaporation and adding a
third — Exp. Solubility of Glauber
salt in water precip. by sp.
of wine — Exp. Color Dianna —

+ In Crystals the three are the
same requisites Time, Space and