

BRITISH ASSOCIATION.

PROGRAMME OF TO-DAY'S PROCEEDINGS.

SOCIETY A.—*Meteorites and Volcanic Scenery*.

(in the High School).

C. Mair—On the Meteorology of the Mountains.

F. Jenkins—Report of the Committee on Electrical

Instruments.

J. P. Joule—Determination of the Mechanical Equivalent

of Heat by the Direct Comparison of the Heat developed by currents of Electricity.

G. J. Stoney—On the Resistance of the Earth to the

Flow of Electricity.

C. G. Knott—On the Permanency of the Skin.

and Resistance Coefficients of the Skin.

Sir William Thomson—On a series of Experiments for

the Measurement of the Electrical Induction of Water.

W. Hooper—On the Electrical Induction of Water's Induc-

tance.

Thomas Stevenson—Notice of a proposal to Illuminate

Bath by Gas.

Sir George Stokes—On the Propagation of the Waves of Light in Water.

T. Archer-Huet—On the alleged Correspondence of the

French Academicians.

Sir David Brewster—On the Correspondence be-

tween Faraday and Newton.

(The letters of Newton were read by Mr. W. H. Wor-

ton.)

Sir Wm. Thomson—On Voltaization.

Sir Wm. Thomson—On a Self-inducting Transformer.

Sir Wm. Thomson—On a Uniform Electric Current Ac-

cording to the Law of the Inverse Cube.

H. Davis—A Contribution towards the explanation of the

angle between the Optic Axes of a Crystal.

R. C. Cutten—On the Theory of Double Refraction, with

special reference to the light of crystals.

Dr. Koenig—For the verification of the laws of

liquids.

SECTION II.—*CHEMICAL SCIENCE*.

(in the High School).

L. Lewthwaite Bell—On the present state of the Manu-

facture of Soda, and the progress it has made as compared

with that of some other countries.

J. N. Dyer—On the Manufacture of Potash, and the

results on the consumption of Wheat, grown in South

Africa.

J. R. Green—On the products of the destructive

action of Hydrogen, obtained from shale.

P. Spence—On the Economics of the Sulphuric Acid

W. L. Scott—On the Sulphuric Acid of a process

W. L. Scott—Not on the artificial production of Oil of

T. T. F. Price Warren—On the electrical resistances of

the Fixed and Variable Resistors.

S. C. Sowerby—On the Corrosion of Iron.

(Papers read in Camera).

Mr. B. H. Smith—On the Corrosion of Iron will be exhibited

in this Session.

W. H. Worthington—On British Ships.

H. G. Orton—On the Structure of the Rocks, Lava

Shale, &c., illustrating the Successes of the Geologists

of the North of England.

S. E. Sowerby—Report on the Alum-Bay Leaf.

E. W. Clifton—Observations on the Physical Geological Age

of the Fossils of the Carboniferous.

W. C. Warthin—On Volcanic and Metamorphic

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