

LIGHT AND ELECTRO THERAPY.

High Frequency and Medical Diathermy.

1. Meaning of the following terms: H.F. current; H.F. current of unsustained oscillation; H.F. currents of sustained oscillation; diathermy.
2. Type of H.F. current needed to produce diathermy.
3. Principle on which H.F. currents are obtained. Design of original H.F. current generator of d'Arsonval. Why it produces little or no diathermy.
4. Designs of diathermy apparatus. How it works. Current it yields, and why it can produce diathermy.
5. Care of the diathermy machine. Types of spark-gap, and the attention they need.
6. Electrodes. Bare metal, padded metal, and vacuum electrodes.
7. How plate electrodes are applied to the body. Their relationship to each other and to the part needing treatment. Distribution of current between electrodes. Avoidance of "edge effect."
8. Action of diathermy currents on the tissues. Diseases suitable for treatment by diathermy. Contra-indications.
9. Dosage.
10. Risks pertaining to all diathermy treatments. Methods of applying medical diathermy treatments to all external parts of the body.

Light Therapy.

1. History.
2. Elementary Physics of Light.
 - Spectrum, Visible and Invisible:—
 - How formed.
 - Spectrum analysis, lines, &c.
 - Wave-lengths of the different parts.
3. Apparatus:—
 - (a) Types of lamps; carbon arc; impregnated carbon arc; tungsten and carbon arc; multiple carbon arc; mercury vapour; water-cooled mercury vapour; infra-red and radiant heat generators.
 - (b) Quartz applicators. Filters and other accessories.
 - (c) Current required for U.V.R. lamps. Operation and care of lamps.
4. Structure of skin and superficial fascia. Absorption and penetration of light.
5. Technique and dangers of application—general and local.
6. Therapeutic properties of radiant energy, including thermogenic visible and actinic rays, and the biological changes effected by them in the human body.
7. Diseases suitable for treatment by light:—
 - (a) Those for which it is regarded as a specific.
 - (b) Those for which it is a valuable aid to other forms of treatment.
 - (c) Those for which its therapeutic properties have not yet been definitely established.
8. Contra indications:—
 - (a) As regards diseases.
 - (b) As regards patients.
9. The Second Schedule to the principal regulations (as heretofore amended) is hereby revoked and the following substituted:—

SECOND SCHEDULE.

" Fees.

" Upon application to be examined (under section 6 (1) (c) of the said Act)	£	s.	d.
.. .. .	3	0	0
" Upon application for registration (under any clause of section 6)	3	0	0
" For every certificate of registration under section 7	0	10	0"

C. A. JEFFERY,
Clerk of the Executive Council.