**III. 2829. Dodel-Port. Atlas der Botanik**

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| **Catalogue No.** | **Published No.** | **Title** | **Artist** | **Description** |
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| **2829 (1)** | XI | Salvia Sclarea |  | 1) Side-view of flower; 2) Mechanical contrivances for cross-fertilization |
| **2829 (3)** | IV | Volvox Globator, L. | Dodel-Port, Carolina | 1) A sexual monoecious colony; 2) Fertilization of an oogonium; 3) An unripe oospore; 4) A bundle of spermatozoids; 5) Spermatozoids isolated and in active movement; 6) Spermatozoids killed by iodine; 7) A portion of the periphery of a Volvox-sphere |
| **2829 (4)** | XII | Murcor Mucedo | Dodel-Port, Carolina | 1) Form and branching of a full-grown mycelium; 2) Stalk with young sporangium; 3) Ripe sporangium viewed from the outside; 4) Stalk with columella and collar; 5) and 6) Germinating sores at various stages |
| **2829 (5)** | I | Drosera rotundifolia |  | 1) Expanded undisturbed leaf; 2) Leaf with insect imprisoned for two and a half hours; 3) Leaf with insect imprisoned for eighteen hours |
| **2829 (6)** | XXXVI | Ophrys arachnites, Reich. |  | 1) The upper part of a flower-stem; 2) The form and habit of the plant in flower; 3) Front view of the stamen; 4) Pencil with attached pollinium |
| **2829 (7)** | XX | Aspidium Filix-mas, Sw. | Dodel-Port, Carolina | 1) Transverse section of a fertile leaflet and vertical section of a ripe sporangium; 2) A closed ripe sporangium; 3) Representation of a burst ripe sporangium; 4) Two ripe spores; 5) Fertile leaflet with nine sori on it’s under surface |
| **2829 (8)** | XV | Puccinia graminis, De Bary. | Tulasne (fig.1); De Bary (fig.7,8) | 1) Germinating teleutospore; 2) Three young leaves of barberry; 3) Transverse section of a leaf of barberry attacked; 4) Germinating aecidiospore; 5) Stalk of wheat (Triticum vulgare) attacked; 6) Transverse section of a leaf of wheat attacked; 7) Part of a layer of uredospores; 8) Layer of teleutospores on couch-grass (Triticum repens) |
| **2829 (9)** | XXXIII | Lilium Martagon, L. Plate A. | Conrad (lithographer) | 1) Form and habit of the plant in flower; 2) Flora diagram, showing the five whorls; 3) Flower enlarged six and a half times, with humming-bird hawk moth cross-fertilizing it; 4) Transverse and longitudinal views of a ripe anther opening; 5) Some pollen-grains held together by oil-drop |
| **2829 (10)** | XXVI | Pinus Laricio, var austriaca. Plate B. | Dodel-Port, Carolina | 1) The three principal stages of development of the femal cone; 2) Portion of a tangential longitudinal section through femal cone; 3) Femal cone at time of pollination seen from side; 4) Fruit-scale at time of flowering, upper side; 5) Ovule; 6) Ripe fruit-cone, opened; 7) Ripe seeds with wing |
| **2829 (13)** | VI | Ulothrix yonata | Dodel-Port, Carolina | AAA) A filament; B) Three zygospores in their resting stage; C) A zygospore one hundred days old; D) A zygospore nine months old; E) A ripe zygospore; F) A young filament; GG) Two groups of young filaments; H) A young jointed filament |
| **2829 (14)** | XXVI | Aspidium - Prothallium | Dodel-Port, Carolina | 1) Prothallium of Aspidium Filix-mas. Germinating spore; 2) A further developed protonema set free twenty-three days; 3) Protonema set free two month and seven days; 4) Prothallium of Aspidium violascens. Prothallium seen from below; 5) Same with fern attached |
| **2829(15)** | XXIII | Cycas circinalis, L. & C. revoluta, Thunb. |  | 1) Cycas circinalis, L. Form and habit of a female plant; 2) Young carpellary leaf; 3) An older carpellary leaf; 4) Cycas revoluta, Thunb. A fully-developed carpellary leaf |
| **2829 (17)** | V | Volvox minor, Stein. | Dodel-Port, Carolina | 1) Oosphere with spermatozoids; 2) Ripe oospore; 3) Rupture of the exosporium; 4) The first division of the contents of spore; 5) Spore-contents forming four daughter-cells; 6) A germinating spore; 7) Young coenobium |
| **2829 (18)** | XXI | Equisetum Telmateia, Ehrh. | Dodel-Port, Carolina | 1) Development of the aerial shoot; 2) Transverse sections through ripe spike; 3) Separate fertile leaf; 4) and 5) Ripe spore; 6) Barren shoot not yet completely developed |
| **2829 (19)** | XXXIX | Passiflora |  | 1) An open flower of the hybrid form P. coerulea-alata; 2) Median longitudinal section of an opened flower; 3) Fragment of a flower-bearing branch; 4) Fragment of a fruit-bearing branch |
| **2829 (20)** | XXII | Selaginella helvetica Spr. | Dodel-Port, Carolina | 1) Form and habit of the reproductive plant; 2) Longitudinal section through fertile spike; 3) A young sporangium; 4) Tetrahedral diversion of a spore-mothe-cell; 5) Ripe macrospore; 6) Four ripe microspores; 7) Leaf from the fertile spike, with ripe macrosporangium |
| **2829 (21)** | XVIII | Polytrichum gracile | Dodel-Port, Carolina | 1) Form and habit; 2) Median longitudinal section through nearly-ripe spore; 3) Ripe capsule after removal of the operculum; 4) Operculum of spore-capsule; 5) A ripe spore in optical section; 6) A ripe spore crushed by pressure; 7) Transverse section through a ripe capsule; 8) Two germinating spores |
| **2829 (24)** | IX | Chara fragilis | Braun, A. | 1) Portion of a plant in fruit; 2) Portion of a young leaf; 3) Portion of a fertile leaf; 4) Ripe oospore |
| **2829(25)** | XXXVII | Cydonia vulgaris, Pers. |  | 1) A flower-bearing Branch; 2) An open flower with honey-seeking bee; 3) Vertical section through a flower; 4) Ripe quince fresh from the tree; 5) Same in vertical section; 6) Same in transverse section |
| **2829 (29)** | XXX | Cuscuta glomerata, Choisy. | Dodel-Port, Carolina | 1a) Cuscata glomerata flowering and fruiting; 1b) Vegetating shot; 2) Flowering shot; 3) Transverse section of stem of solidago Muhlenbergii attacked by C. glomerata; 4) Portion of inflorescence; 5) Median vertical section of flower; 6) Side-view of flower; 7) Young fruit |
| **2829 (30)** | XIII | Peziza | Dodel-Port, Carolina | 1) Fructification of P. aurantia; 2) Longitudinal vertical section; 3) Portion of longitudinal section; 4) Portion of hymenial and sub-hymenial layers |
| **2829 (34)** | XXXIX | Phaseolus coccineus, L. |  | 1) Habit of the upper twining stem-portions; 2) Portion of inflorescence; 3) An opened flower; 4) Opened flower with vexillum; 5) Keel highly magnified; 6) Vertical median section of open flower; 7) Upper end of style; 8) Branch-portion with foliage-leaf |
| **2829 (35)** | XVII | Marchantia (Archegonium&Antheridium) | Dodel-Port, Carolina | 1) and 2) Portions of thallus; 3) Principal figure; 4) Small piece of thallus; 5) Fragment of section through male inflorescence; 6) Fragment of section enlarged 400 times; 7) Ripe female disc; 8) A ripe and opened sporogonium; 9) Ripe spores |
| **2829 (38)** | none | Pinus Laricio | Strasburger, E. | 1) One-year-old cone of P. Laricio; 2) Same in median longitudinal section; 3) Ovule of one-year-old cone in section; 4) Upper part of an archegorium; 5) Upper part of an archegorium at moment of fertilization; 6) Embryo-cell; 7)-9) Development of rudimentary embryos; 10) Embryo of P. Pumilio in longitudinal section |

**Note**: Catalogue Number refers to the *Royal Botanic Garden Edinburgh, Catalogue of Diagrams, 1904*. Glasgow, HMSO, 1904.