terested party directly or indirectly; but I do not miniata, Mahernia incisa, Erica breviflora, ventricosa logical effects which have been ascribed to the action of

bush. George Fry, Lee, Kent.

Spalding.

C. D. visible the ring from whence the petals dropped. The exhibited a neat group of wax fruit. plant grew in a cold heavy soil under a north wall. James Ridly, Hawkehureh, near Axminster, Devon. This is a case of flowers attempting to grow into branches instead of stopping to form their seed pods.]

Papier maché Insects.—Can you give me any information upon an extraordinary appearance which was found the other morning upon a papier maché tray which was lying on a writing table in the drawing room? There appeared all round the under side of the lip of the saucer shaped tray from 20 to 30 nearly invisible filaments, ½ inch in length, with small white egglike specks at the extremities. They project like little bristles, vibrate with the least breath, yet adhere very firmly. The saucer is 4 inches diameter, highly glazed or japanned, is in constant use, and dusted every morning, P. W. M., Shirley, Croydon. [These are evidently the stalked eggs of a Hemerobius.]

Societies.

Shrubby Greenhouse Plants: 1st, Mr. Lockhart, gr. to prize for Cape Heaths, the kinds produced being E. Prince Albert and Omega; 2d, Mr. Henderson, with Countess of Burlington and Prince Albert. Two Light to G. C. Arbuthnot, Esq. His collection included properties. 2. "On the Properties of Lolium temuof the time, to bear his testimony to two points: one is lentum."

Reg. 19, 1847. The writer of the properties and its distribution and properties. 2. "On the Properties of Lolium temuof the time, to bear his testimony to two points: one is lentum."

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Reg. 19, 1847. The writer of the properties and its distribution and properties. 2. "On the Properties of Lolium temu-Tetratheca verticillata, Leschenaultia formosa, Epacris lentum." By Mr. Lowe. After noticing the physio- the entire absence of all exaggeration or onesidedness

approve of invidious attacks made from behind the superba, and tricolor dumosa, Statice Halfordi, Pimelea Darnel, the author remarked that there exists a great provide the superba approve of invidious attacks made from behind the superba and tricolor dumosa, Statice Halfordi, Pimelea Darnel, the author remarked that there exists a great provide the superba approve of invidious attacks made from behind the superba and tricolor dumosa, Statice Halfordi, Pimelea Darnel, the author remarked that there exists a great provide the superba approve of invidious attacks made from behind the superba decussata, Hoya bella, Ixora coccinea, Oncidium flexuo-Extra product the subject it and the seed to Mr. M'Ewen's report sum, Aphelexis macrantha purpurea, Extra product has been written on the subject it. Early Peas.—In reference to Mr. M'Ewen's report sum, Aphelexis macraneau production on Peas I think he must have a wrong sort in No. 1. speciosus, and Clerodendron Kæmpferi. Extra production only were as if the virulence of the herb varied in the land on the subject, it would appear to the below for exhibition only were as if the virulence of the herb varied in the land of th I have grown it every year with the Emperor since the tions placed on the tables for exhibition only were as as if the virulence of the herb varied in different tions placed on the tables for exhibition only were as as if the virulence of the herb varied in different tions placed on the tables for exhibition only were as as if the virulence of the herb varied in different tions placed on the tables for exhibition only were as as if the virulence of the herb varied in different tions placed on the tables for exhibition only were as as if the virulence of the herb varied in different tions placed on the tables for exhibition only were as as if the virulence of the herb varied in different tions placed on the tables for exhibition only were as as if the virulence of the herb varied in different tions placed on the tables for exhibition only were as a series of experiments. first season in which it came out, and I have always follows:—From the nursery of Messrs. Dicksons & Co. localities. A series of experiments was given in detail showing that Darnel grown in the control of the control found it about eight days earlier; in fact it is always were Pelargoniums, Gloxinias, &c.; from Messrs. P. detail showing that Darnel grown in the Botanic just done by the time the other comes in. I frequently Lawson & Son, Calceolarias and Heaths; from Messrs. Garden produced no effect when taken in doses of har sow from 15 to 20 sorts of Peas on the same day on J. Dickson & Sons, Pelargoniums, including French an ounce. The observations of Professor Christism purpose to test them. Last year I sowed 17 sorts, and for fancy sorts, &c.; from Mr. R. M. Stark, rare Alpine on the Enanthe crocata show an analogous result general purposes I think Fairbeard's Conqueror will plants and Ferns, including Cheilanthes alabamensis, this plant being a virulent poison when grown in stand high as a first early. Dixon's Favourite, which is Gymnogramma peruviana, Nothochlæna nivea, Todea is seen in the Cannahis indica which about as early as the Frame, appears to be a good kind, pellucida, and other interesting species; from Mr. is seen in the Cannabis indica, which only yields its gum. producing as many as 12 Peas in a pod, which must Douglas, several trays of Pelargoniums, Roses, Verbenas, ments are required with record to I wit with record to I with record to I with record to I with record ensure a good supply. Richard Rilott, Donnington, near &c.; from Messrs. Wright, Renwick, & Co., Dracæna nobilis, Sonerila margaritacea, &c.; from Messrs. The subject of Deep Wells has been sometimes dis- Downie & Laird, spikes of Delphinium formosum, Calcussed in your columns. I have a well 325 feet deep, ceolarias, Petunias, Phlox Addisoni, &c.; from Mr. C. and the 12-gallon bucket actually weighs 40 lbs. For Alexander, Pansies in pots, Delphinium Hendersoni, many years I used a chain weighing 232 lbs; this, with Linum grandiflorum rubrum, and new Shrubby Calceothe water, itself 96 lbs., amounts to 481 lbs. I have larias; from Messrs. Cunningham, Fraser, & Co., boxes made an enormous saving of labour by using for the of Roses, including Souvenir d'un Ami; and from Mr. adopted in his previous paper on this subject, Mr. last half year Newall's patent wire rope. Now, will Handasyde, Roses, with herbaceous plants, and Irises. any one have the charity to say from experience whether From the garden of C. K. Sivewright, Esq., fancy there could not be a great saving in the weight of the Pelargoniums and a plant of Erica Cavendishi; from bucket. Would zine, or gutta percha, or leather serve? Professor Syme, a beautifully flowered plant of Lepto-The bucket must be strong enough to withstand being dactylon californicum; from Mr. Anderson, specimens occasionally dashed against the side of the well. Or of the Champion Peach and Black Hamburgh Grapes; must I stick to my old substantial oaken friend? from Mr. Pender, a neatly arranged collection of fruit and a dish of large Mushrooms; from Mr. Fraser, a speci-Proliferous Stock .- I send you a curious "freak of men of Oncidium pulvinatum, Alpine plants, and Ferns; nature" in a double white Stock. At first sight it pre- from Mr. Lockhart, Cissus discolor; from Mr. Stewart, sents nothing remarkable, but having watched its de- Gloxinias; from Mr. Blair, Stanhopea oculata; from velopment I do not remember to have seen such a Mr. Buist, Roses; from Mr. Reid, a box of Pansies curiosity before. Early in summer it bloomed in the and fancy Pelargoniums; from Mr. Young, Stocks; ordinary way; when the outer petals began to die off the from Mr. Duncan Kerr, a seedling Pansy; from Mr. centre of the flowers commenced swelling, and gradually Ferguson, Ranunculuses, Roses, &c.; and from Mr. wind, and the character of the clouds, I find that in formed lateral spikes of bloom; at the base of each is Dunn, Stocks. Miss Barnetson, 26, Clarence Street, April (1846) the atmosphere is recorded as hazy, and

in the chair. The following papers were read, viz. :- prevailed, the north-east trade winds were blowing with 1. "On the Identity of Achorion Schönleini and other more than usual force; they sometimes lasted for three vegetable Parasites, with Aspergillus glaucus," by Mr. or four days without any intermission. At the period John Lowe. The object of this communication was to of their prevalence, the sand heaps which abound in show the relation which exists between the parasitic this barren, parched, volcanic region, are drifted about growth in Porrigo favosa and other skin diseases, and a from the windward to the leeward side of the island, common species of fungus, Aspergillus glaucus; and filling the hollows in the plains, and, sometimes in the to establish the identity of a number of these course of a few hours, obliterating all traces of pathforms which have hitherto been regarded as specifically ways, and thus bewildering the newly arrived traveller. distinct. After adverting to the difficulties experienced I was in the leeward side of the island when the in conducting an investigation of this nature, the author first sand shower occurred, and the residents differed proceeded to give a detail of the experiments which had in opinion as to its source, some saying that it came been made with the view of producing the plant in a from the beach and sand hills, on the windward side state of perfect fructification, and being thus enabled to of the island; while others more correctly, as I conascertain its specific value. A quantity of favus crust sider, attributed its origin to the African Desert. having been procured from a case of Porrigo Iupinosa, a had soon an opportunity of ascertaining that they did portion was immersed in pure glycerine, another was not originate on the island itself, for I witnessed a sand placed on cheese, and a third in solution of raw sugar. shower of considerable density, over the sea to wind-The first of these did not germinate, but became dis- ward of the island, between which and the African integrated after about ten days. This was probably CALEDONIAN HORTICULTURAL: June 27 .- The fol- owing to the temperature of the fluid not being the conclusion that that coast was its source. lowing is a report of the prizes awarded on this occasion. sufficiently high, as it is well-known that the yeast 4. "Analogy between the serial arrangements of the plant grows with facility in the same medium, at Leaves of Plants, and Crystalline Forms." By Mr. W. Mil-R. Dundas, Esq., with Tetratheca verticillata and an elevated temperature, during the manufacture of chell. Mr. Mitchell remarks, "Having some time ago Aphelexis humilis. Mr. Lockhart also received the Butyric acid. The cells placed on cheese also failed to germinate, and died in about the same time as those spuria and Cavendishi. Two Pelargoniums: 1st, Mr. put into glycerine. Those immersed in the saccharine Reid, gr. to W. Wilson, Esq., with Zara and Star solution gave a different result. At the end of 48 hours (Beck's); 2d, Mr. Stewart, gr. to the Marquis of the cells had become swollen and more oval than at first; Dalhousie, with Attraction and Forget-me-not. Four on the day following they began to unite into moniliform Pelargoniums in 6-inch pots: 1st, Mr. Forrest, gr. to chains forming a mycelium, the filaments of which after Messrs. Swan, with Carlos, Lucy, Sanspareil, and a time were observed to contain granules and nucules. At Wonderful; 2d, Mr. Henderson, gr. to C. K. Sivewright, the end of about a month the perfect fructification of hedral, and prismatic systems, and found that, Esq., with Fair Helen, Petruchio, Carlos, and Seraskier. Aspergillus glaucus appeared. During the growth of Two Fancy Pelargoniums: 1st, Mr. Stewart, with the plant, the different stages of development were decora and Queen Victoria: 2d, Mr. Reid, with Carlotta observed daily under the microscope, and the whole of Grisi and Annette; 3d, Mr. Forrest, with decora and the following species (so-called) were found accurately Lady Downes. Four Fancy Pelargoniums in 6-inch represented so far as appearance goes, by one or other pots: 1st, Mr. Henderson, with erubescens, formosissi- of the forms produced. Microsporon furfur, Robin; mum, Celestial, and Criterion; 2d, Mr. Forrest, with Oidium albicans, Ch. R.; Torula guttata; Trichophyton Madame Sontag, Madame Van de Meyer, Lady H. tonsurans, Malmsten; T. ulcerum, Ch. R.; Microsporon Campbell, and Annette. Two Dark Fuchsias in 8-inch | Audouini, Ch. R.; M. Mentagrophytes, Ch. R.; pots: 1st, Mr. Walker, gr. to J. Mood, Esq., with Achorion Schönleini Remak.; Leptomitus, six species; with a considerable number of other epizootic forms. With regard to the majority of these, the author re-Fuchsias in 8-inch pots: 1st, Mr. Walker, with Queen | marked that they could not be with certainty conof Hanover and Maid of Kent; 2d, Mr. Henderson, sidered as identical with Aspergillus, but that there with Maid of Kent and Venus de Medici. In Roses, was every probability of such being the case; the 1st prize was gained by M. Buist, Esq., Tynning- 1st, from the exact identity of form; and 2d, from hame, whose stand contained the following, viz.: Géant the extreme unlikelihood of their being distinct des Batailles, Baronne Prevost, Jules Margottin, Louise species, as shown by their never or rarely producing Peyronny, Charles Lawson, Devoniensis, Abricoté, Paul fruit; proving them to be mere variations of some Ricaut, Reine des Fleurs, Triomphe de Paris, Adam, other fungus growing under unfavourable circumstances, and General Jacqueminot. A second premium was and not arriving at a perfect development. With voted to Mr. Stewart, for Great Western, Mrs. Rivers, Achorion Schönleini the case is different. The follow-Lanei, Elize Sauvage, Blanchsteur, Charles Lawson, ing facts may be adduced in support of its alleged Smithi, Cabbage, Duchess de Montpensier, Devoniensis, identity with Aspergillus:-1st. The sporules of the General Kleber, and Madame Humboldt. Phloxes: 1st, former, carefully watched during their growth, deve-Mr. M'Farlane, with Barnton, Miss Lewis, Masterpiece, loped the perfect sporangia of the latter, which-2dly, is Rival, and a seedling named Mrs. M'Call, in the way of produced in a state of fructification in the air sacs of birds, Abdel Medschid Khan, from which it had been raised. showing the possibility of its growing on animal tissues. Calceolarias: 1st, Mr. Stewart, with Falstaff, Sir Walter | 3dly. The figure given by Dr. Bennett of a section Scott, George Shelby, and a seedling. Several extra of the scalp affected by Favus, exhibits the true fructiprizes were offered by the office-bearers, the first of fication of an Aspergillus. The author concluded with and Greenhouse Plants, was awarded to Mr. Blair, gr. which this fungus is developed, and its distribution and feels bound, as one concerned in the non-political events.

Tetrothouse Plants, was awarded to Mr. Blair, gr. which this fungus is developed, and its distribution and feels bound, as one concerned in the non-political events.

difficulty experienced in obtaining the pure seed has prevented the above series from being extended further but it is hoped that others will make further observations in different parts of Scotland. 3. "Further Observations on Dust Showers." By Mr. G. Lawson. After some preliminary observations, referring to the views Lawson laid before the Society a letter from Dr. J. O. M'William, R.N., in which that gentleman remarks:-"In your paper on dust showers you allude to the sand showers described by Humboldt and by Ehrenberg as occurring near the Cape de Verd Islands, when the decks of ships navigating the ocean became covered with sand. While I was at Boa Vista, the easternment of the Cape de Verd group, during the months of April, May, June, and part of July 1846, I had ample opportunity of witnessing these phenomena. In my meteorological register, which includes observations three times in the 24 hours, of the barometer, thermometer, the dry and wetted bulb thermometer, the temperature of the sea, the force and direction of the filled with sand, ten days; in May, eleven days; in June, five days; and during the first ten days of July, EDINBURGH BOTANICAL: June 11.—The President three days. As a general rule, when these sand fogs coast no land intervened, and I therefore came to had my attention drawn to the series expressing the special arrangements of the leaves of plants, and more recently to the former series as regulating the shapes of cones, I was led to inquire whether a similar relation might not be found to exist among crystalline forms The result of my observations is, that the same law provails in crystals as in plants." Mr. Mitchell examined crystals belonging to the cubic, pyramidal, rhomboas in plants if $\frac{a}{b}$, $\frac{c}{d}$, $\frac{e}{f}$, represent any three consecutive terms of the series, such as 1, 1, then $\frac{a+e}{b+f} = \frac{c}{d}$ will express their relation. He concludes "may we not infer, from the serial law here shown to be common to both, that a series of nodes in plants or responds to a series of similar crystalline forms; and dissimilar appendages of the plant to dissimilar crystals? At least the subject seems worthy of consideration, and might lead to still closer analogies, illustrative of unity with diversity, which we already know to be a di-

tinguishing characteristic of the works of God."

Notices of Books.

Memoirs of the late Rt. Hon. Sir Robert Peel. 2 vols. Svo. Murray. Edited by Lord Mahon (now Earl Stanhope) and the Rt. Hon. E. Cardwell. The exclusively political character of these interesting memoirs prevents our even referring to their very important contents, with the exception of what concerns the Potato disease, and the repeal of the corn laws, which was its natural consequence. In the second

volume, Sir Robt. Peel himself describes the great calamity that visited nearly all Europe in 1845, commencing with a letter received by Sir James Graham from the Isle of Wight on the 11th August, 1846, and ending with a letter to Lord Aberdeen dated Aug. 19, 1847. The writer of the present memorandum feels bound