BE FOUND GROWING THERE.

It Sends Plants to All Parts of the World, with the grasses up aloft. There is no

has since become not only one of London's most beautiful pleasure grounds, but a benefits reach to all quarters of the globe. On the death of Lord Capel in 1696, the estate passed into the hands of his son-in-Bute the dowager Princess Augusta made 1768 Sir John Hill published a catalogue lection, in one compact garden of the plants of Kew. There were then estate was bought by George III. He tree and plant known to serve a useful purdevoted much money and attention to its pose is represented here, with illustrations devoted much money and attention to its of the manner of its employment and most improvement. "Farmer George" he was valuable use; while the Museum of Timber ion by taxyayers, for his pains. For a long time after this monarch's death the land the West Indies exceeds that of all the gardens sank into neglect. It was then rest of the world in extent and variety; and proposed to disestablish and disendow every great American city should duplicate them. A protest was raised and the this timber exhibit. Its economic suggeskingdom opposed, whereupon the gardens tiveness and hints to woodworkers, from were surrendered by the crown and became a national establishment in 1840.

Kew in fact under the directorship of Sir able. W. J. Hooker, who remained in charge To the casual visitor the show places of until his death, in 1865, and his son, Sir Royal Kew are the great palmhouse and Joseph Hooker, the renowned traveller and | the structure housing the huge water maze botanist, who succeeded him. The latter of Central America, named Victoria regia is known to every student of botany in the by its discoverers in compliment to Queen world from his "Flora Antarctica," "Him-alayan Journals" and his great work, "Genera Plantarum," and the tremendous wide. It stands near the centre of the importance of Kew as an international garden, with a broad terrace and the lakes scientific educator, has been almost wholly with their aquatic flocks in front. Nearly due to his genius for compelling its work | 25,000 feet of hot water piping are re-

to attend to the matter. Wherever new and pruned to keep it within bounds. British subjects or colonies. Where plant shrub, the cocoanut and the tamarind. disease threatens or pests approach, Kew A few yards distant is the home of the tions co-operate in all these beneficial rela- Its gigantic leaves and flowers spread tions. Lists of new plants are constantly completely over its allotted water space being published. Lists of seeds matured of 18,000 square feet in the summer months, here are also printed, and the institution while at this season of the year its wide wisely goes so far as to exchange these oval leaves, yards in surface diameter, seeds with regular correspondents all over | with beautiful curled edges, suggest the

This magazine of seeds is nominally col- upon obedient seas. lected for the benefit of similar associations which may sometimes in part return like favors. But any one in any part of the globe applying with a serious purpose for seeds or plants is not refused. At the time of my visit applications laid upon the curator's desk from Oregon, Texas and British Columbia in America; from English shires, from South Africa, Ceylon, India and Guatemala. All were to be served with equal attention. This characteristic of powers for interchange of botanic knowledge and aid.

How the rapidly increasing population of the globe may be provided with tood and clothing is regarded as a problem falling within the province of Kew's authorities. The splendid success of the cinchona plantations in India also illustrate the scope of the work at the Royal Gardens. The Peruvian supply was showing exhaustion. Quinine was becoming alarmingly expen- about the sun at intervals of a tew miles. sive. Cinchona seeds and young trees Usually when these meteoroids encounter were secured in Peru, brought here to Kew | the earth's atmosphere they break into and nursed, and finally given successful small fragments and fall harmlessly to the culture in Jamaica, Ceylon and Bengal, ground. It is thought that only 600 or 700 until the annual output from these sources of these meteoric stones reach the surface amounts to nearly 100,000 pounds. That was a direct benefit to all humankind.

It will thus be seen that Royal Kew is not only a favorite resort for holiday visit- a day. If the air did not act as a cushion, ors, but it is the great central botanic no casualty would be more common than workshop of the world; not a flower show nor a pretty park merely, for serious and vast work is accomplished here every year. And nothing is too trifling to receive Kew's | which are most common in the earth, and candid attention. It is a matter of record | as no new elements have been found in that "debate has been gravely held, opin- these visitors from space, it is believed that ions even have been formed and reported the solar system and perhaps the universe, upon such matters as a South African cane, | are made out of the same material as the which some gentlemen in those distant parts | earth. The motion of talling meteors is thought adapted to fishing rods; upon the very curious. One has been known to values of West African palm kernels as travel on a line almost parallel with the material for coat buttons, and upon a pithy earth's surface, and from 60 to 100 miles stem which the government of a West Indies island believed suitable for razor to central New York, where it is supposed

Kew is now training young men to fill botonic situations in the colonies. Instruction is given in principles of scientific botany, and the general conditions governing horticulture under differing conditions and circumstances. In the end Kew is repaid. Nearly all these men become emigrants, remain enthusiastic correspondents with and contributors to the stores of the Royal Gardens. Mr. Thistelton Dyer, who became director of Kew in 1886, is is broadening rather than restricting the field of scientific investigation so nob!y opened and developed by Sir William Hooker and his son, Sir Joseph.

The gardens and grounds are extensive. take place in November, 1899. Those portions known as the Botanic Gardens comprise nearly thirty acres, and the pleasure grounds and arboretum have planet or collected star-dust can only be an area of 270 acres. Beyond, stretching to Richmond, is the old Deer Park of about 400 acres, though only a small portion of the latter is accessible to the pub- doned. What is certain is that the planets lic. In front of the gardens stretches a are becoming somewhat larger and heavier broad, smooth walk, and dotted about every year through the shower of meteors the lawns are noble specimens of Italian, and star-dust that is constantly falling. Spanish and Corsican pines. At the end | Thus it happens that it never rains pitchof these one sees the old red brick house forks, yet iron enough to make a pitchfork in which Queen Charlotte died. To the rains upon the earth every day .- [Harper's left is the principal avenue, with flower Young People. parterres on either side. In the distance the magnificent palmhouse rises like a fairy palace, and beside it are tiny lakes with flocks of acquatic birds.

the finest in existance. The number of ago. Tomdik—Yes, they come higher, specimens now exceeds 1,500,000, duplibut we must have them, -N. Y. Sun.

LONDON'S BIG GARDEN. cates not included. They fill a large structure in the northwest corner of the green, including a great hall, added in THE ROYAL KEW AND WHAT IS TO 1876, fitted with two tiers of light iron galleries. Beginning with the Ranunculaceæ on the ground floor, they conclude and Diffuses Botanic Knowledge Among | red tape here to oppose the student. A All Nations-Facts of Interest About Its table stands in each corner for his convenience All specimens are arranged LONDON, Sept. 26.—About 200 years after the system of Sir Joseph Hooker's ago Lord Capel laid out the garden which great work, the "Genera Platarum," so that the visitor only has to give the number attached to a particular genus, and most beautiful pleasure grounds, but a the portfolio containing the correspond-scientific institution, whose influence and ing specimen is before him in an instant.

In the garden proper the smaller plants are found in almost endless variety. Altogether there are nearly 30,000 species. law, who made the place still more famous of nature's wealth, the knowledge, patience as the headquarters of English astrono- and labor in forming such a vast collection mists. Under the advice of the Earl of are in themselves almost inconceivable. Think of 3,000 species of trees and shrubs, 3,000 greenhouse plants, 2,500 "stove it a scientific establishment, and it was plants," 1,200 ferns, 1,000 succulents and called the "Physic Garden." As early as 1,000 orchids among this bewildering col-

The Museum of Economic Botany was established in 1847. Its influence upon 50 ferns, 600 trees and shrubs and several trade has undoubtedly since been increasthousand herbaceous plants. In 1789 the ingly telt in the two hemispheres. Every called, in praise by scientists and in deris- is a permanent world's exposition of woods. ters to the highest possibilities in art woods Then Royal Kew in name became Royal and woodworking art, would prove invalu-

to cover a vast and practically limitless quired for its heating. Though sixty-five feet in height, its most gigantic habitat— Wherever in the world classification of the finest specimen in Europe of the new plants is required Kew stands ready pandanacea-is continually being lopped plants are wanted for cultivation these There are besides magnificent specimens Royal Gardens will supply them, and this of the betel, the wax palm, the bread tree, readiness of supply is not at all limited to the orange, the coral plant, the coffee

will consult and advise. Foreign institu- tremendous water lily, the Victoria regia. fabled shells in which Aphrodite is watted

EDGAR L. WAKEMAN.

WHAT METEORS ARE LIKE.

They Are Falling Every Day, but Do Not

Any clear night, if the watcher has patience, he may see one or more "shooting stars," or meteors. These are not stars at all, but often are more brilliant than any star, because they are so near us that their Kew gives the whole world an interest in friction against the earth's atmosphere its resources, proficiency and increased either causes them to glow at white heat or to flame up like a torch. Even a very small meteor, one not much larger than a pin-head, might become distinctly visible in this way, and seen against a background of constellations, outside the North

The whole solar system, astronomers say, is strewn with particles of matter known as star-dust, while larger bodies known as meteoroids chase one another of the earth unbroken in the course of a year, while the number of small particles which fall has been estimated at 2,000,000

being hit by a meteorite. Meteorites are usually composed of iron, silicon and oxygen, the three elements above it, all the way from Indian Territory to have fallen in tragments. Another passed from Michigan across New York State and ont to sea between New York city and New Haven. These meteors travel 600 or 700 miles an hour after they became visible.

Meteors are most common about Aug. 10 and Dec. 7, when the earth annually encounters long droves of meteoroids as they journey around the sun. Once in 33 years the earth crosses the thin stream of Leonides, which seems to come from the constellation Leo, and is so long that six or only the fifth in a period of 130 years, and | eight years are required for this flock of meteors, travelling 26 miles a second to pass a given point. When the earth meets this great torch-light procession there is a display worth seeing. The next one will

> Where meteors come from is not known. Whether they are fragments of a bursted

They Come Higher.

Hojack-Statistics show that the average height of the American woman is two The herbarium at Kew is undoubtedly inches greater than it was twenty-five years

SOME FAMOUS NOMS DE PLUME. How They Were Formed and Who Ownso

or "sobriquets"-or, as the French call them noms de guerre-are chosen haphazard fashion, but though this may be so in some, it is far otherwise in most cases. As much thought is often expended in their construc-tion as ever was devoted to the title of a

By far the simplest form-and these constitute a goodly number-consists of the initials of the author's real name, such as L. E. L." (Letitia Elizabeth Landon), 'G. A. S." (George Augustus Sala), and B." (the late Lord Bramwell); or of some transposition of the real name, such as "Dalmocand" (for George Macdonald). and "Draw," which is simply ward written backwards. As another example of this I might mention the famous prima-donna, Madame Trebelli, who has just died, and whose real name was "Gillebert," her nom wards, the initial "G" being omitted.

Most people, however, assume fictitious names. Many authors frame these upon the initials of their own names; thus, Annie Bronte wrote as "Acton Bell," Charlotte Bronte as "Currer Bell," and Emily Bronte as "Ellis Bell." And I might here mention the interesting but scarcely known fact that Robert Burns was case of Henry Irving and H. M. Stanley.

mortalized herself as "George Eliot"; circles of the last century as military tales of "John Strange Winter." This is sometimes reversed, and Algernon Swinburne has gracefully returned the compliment by hoisting a petticoat for his standard when he signed himself Mrs. Horace Manners. Perhaps Swinburne objected to Thackeray's comment upon his initials. It is related that Swinburne wrote some verses in a young lady's album, to which Thackeray was asked to contribute. Thackeray simply wrote: "Two-thirds of the truth," under Swinburne's initals, "A. S." By the way. Sir Arthur Sullivan has dropped his middle name, Seymour, owing to the awkward combination of the initial letters of his full name.

Several well-known names owe their origin to some special circumstance; for instance, the cry of the leadsman when his line marked two fathoms of water. has ggested to Samuel L. Clements his world-famed nom de plume of "Mark Twain;" and Mlle de la Ramee's mispronunciation of her own name, Louisa, when a child, has furnished her with the popular sobriquet of "Ouida." And here might be mentioned that John Rowlands, in signing himself H. M. Stanley, has taken the name of his adopted father.

Many names, however, are entirely due to individual fancy, no particular law or circumstance being concerned in their evolution. Such for example are the "Edan Lyall" of Miss Ada Bayley; the "Artemus Ward" of Chas. F. Brown; the "Max O'Rell" of Pau! Blouet; the "Henry Irving" of John H. Brodrib; and the "Lewis Carroll" of the Reverend Chas. Dodgsonthe charming author of "Alice in Wonderland." Regarding the last, it is related that the Queen was so delighted with the amusing fairy tale of "Alice in Wonderland," that she gave orders that all the works of Lewis Carroll were to be procured for her. Her Majesty's surprise and disappointment on receiving a parcel of the mathematical works of the Reverend C. Dodgson (who is lecturer on mathematics in Christ's church, Oxford) can easily be imagined. Now we come to another class of pseu-

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donyms where, instead of names of persons, real or imaginary, some descriptive phrase, or title, or motto, is employed. As examples of the first I might mention "A It might be thought that noms de plume Lady of England" (generally contracted into A. L. O. E.), the pseudonym of Charlotte M. Tucker; and "A Besieged Resi-

> As for mottoes and titles, etc., the most famous of all, owing to the controversial war waged round it, is "Junius." No less than fifty-one persons have been credited with it; and though the bulk of evidence points to Francis as being the author of the celebrated letters, it still remains a matter of dispute as to who really deserves that honor. The "Iconoclast" of the late Mr. Bradlaugh; the "Historicus" of Sir Wm. Harcourt; the "Runnymede" of the late Lord Beaconsfield; and the "Etonian" of Mr. Gladstone, are others of this class

Though not legally protected by copyright, pseudonyms are effectually guarded de theatre being her surname spelt back- by literary etiquette, and it would constitute almost a sacrilege for any person now to appropriate any such title as "Box," which has become by usage the exclusive right of the inventor-viz., Charles Dickens. -Tid Bits.

Locating Brazil.

migratory in space and singularly changea nom de plume, the poet's real name be- able in form. An early geographer lays it ing Robert Burness, but it has by right of down not only on the eastern coast of No other fabric is so suitable for LADIES' CLOAKINGS and MEN'S usage become the family name, as in the North America, but also gives it as the name of an island between "Irlanda" and Names of the opposite sex are often the Isle of Man. A map of 1566 calls by adopted, especially by lady writers, such | that name an island southeast of the Gulf as Mrs. Hanry Wood, who used to write of St. Lawrence. A map of 1582 sets "Johnny Ludlow;" Mrs. Cross, who im- down an island near the Cape Verde group and calls it Brazil. Other maps give the Madame Dudevant, who held no mean name of Brazil to an island somewhat east essay in the literary and social of "Nova Francia," and a group of islands southwest of Ireland. As to the spelling "George Sand" and Mrs. Stannard, who of the name, it appears as Brazil, Bresilia, delighted the world not long since with the Prisilia, Brasi, Presilly, and in half a dezen

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