the migratory Salmoni lae. I have only just commenced the construction of a botanical pond to enable me to study water plants as herbage for molluseae, shelter for quantumities, and the natural production of myriads, of outromostrica. On the sea-shore of the Western Highlands if the kelp be not regularly ent, or in other words rudely cultivated, for cutting is most assuredly a process in cultivation, the whelks and bukies decrease on account of the want of the young tender shoots of seaweed, and the fishing in the neighbourhood is sensibly diminished. From this it is easy to understand what a great future may be opened out by the systematic culture of water? plants in our inland waters. Food limits the! fore our study must be where to grow it, how In lakes some shoal swimming fish is essential to the growth of the large species of nonmigrating Salmonidae. Since the Char have disappeared from Lochleven in the first quarter. of the present century, the ten pound Trout in that loch have passed into the realms of Acclimatization here steps in ; under this head." either the freshwater Smelt of America or our own Osmerus eperlanus, which I have sucwater, it introduced into a Highland loch, for instance, Loch Tay, would enable it to carry a very heavy crop of some of the larger inland species, for instance, the landlocked Salmon of Loch Werner in Sweden, or the S. schage of t America; but we must not conclude that the! acclimatization of every species is in all cases the way of tool and wealth. desirable, for it the Black Bass were introduced into the Tay, and the Pike Perch allowed to sport wherever he listed, even were the sport with the new comers at all commensurate with the highly-coloured descriptions which we have read, it will hardly compensate for a troutless river, and a salmonless [ would probably be a splendid fish for the be adopted to this end, but, for his part, he

Thames, and if used in the upper parts of the Severn would introduce a new and important element in the question of the respective rights of upper and lower proprietors. It is not for the public good that this should be done, for this fish would probably be able to hold the spawning grounds from all comers, and a rapid decrease of the migratory species would be the result, and it it be urged that a lake species would not localize itself to the upper portions of our larger rivers, still it crossed with a British variety, such as S. tereneuses, it in all probability would do so. The acclimatization of the Corregoni, of which there are many species, all of which can be easily transported as alevins in my opinion. culture of non-migratory Salmonidae, there-tonly to be considered as a factor in the production of food for more valuable Salmonidae. to grow it, when to grow it, and what to grow. If we had the great American lakes, no doubt the large white fish of Canada would, if introduced, form a valuable article of popular food, but our space in this island is too confined to enable us to deal with other than the best we can have, and I doubt, except in a few solitary cases, if any of the Corregoni fall

Mr. Wilmot (Commissioner for Canada) said he rose with great pleasure to move a vote cessfully hatched and am now rearing in fresh of thanks to Sir James Maitland for the very lucid and instructive paper he had read, for he felt satisfied that much benefit would be derived from it. He was a deep lover of the science of fish culture, believing it to be one of the means by which the population of the earth hereafter would derive much benefit in It was well known that the waters of almost every country which had been largely inhabited had become very scarce of fish, but this result was brought by the greed and avarice of mankind almost entirely, not in consequence of the predatory habits of other fish which frequented the same waters. In any new country an abundance There may be parts of the country of fish was to be found in the rivers and where the Pike Perch would form a desirable waters, showing that the balance of nature addition to the local fanna, but I cannot con- was evidently correct; that though fish fed on ceive the Black Bass, who is only at his best lish, they did not exterminate one another; in waters essentially fitted for Salmonidae, to; but the moment man stepped in with his enbe other than a most dangerous intruder. The "gines of destruction, the fish were reduced to Colorado beetle boasts, I believe, of a special such an extent that this great International Act of Parliament, and I do think the intro- Exhibition had been established for the purduction of strange and dangerous species of pose of devising means whereby this descriptish should only be attempted under State tion of food could be increased. He regretted control. The S. schago, should be retain in to find that, to some extent, there was a difthis country his non-migratory instincts, ference of opinion with regard to the means to