Dear Josh and Fsther,
To keep the bonds of Commonweal th from weakening, $T$ thought Tid drop you a line this evening, while Joyce fiddles with the short-wave set. The world seems a small and homely place: Jondon, Hilversum, Moscow, Brussels, throng at our threshold for hearing.
kitty, whose maiden name I forget and whose married name you got wrong (unless she ppped and married somebody you didn't expect her to), and Bruce, or Ben, or whoever he was, turned up, and were given the Grand Tour. The Sussmens had already lef't, so they didn't have a chance to meet them? We look
 the lab. is pretty empty, reminding one of that poem by de la Mare - "The rraveller:i, think it's called. the Faffrons are here for a short visit, on their way back fro Naples, and we may be able to persuade them to come over for coffee tomorrow evening. We were, "oro di Napoli"ilast night, a film I can heartily recompet, concerned with forrunconiected episodes in the life of a great city. We even had nelghbours who kindly provided the olfactory atmosphere of the place. Well, 1 'm told itrs antibiotic, anyway.

A couple of papers which interested me today were in the D.N.A.S. ("which country"; the Canadian editor pencilled against a reference I'd madgto Dick Starr's work on spore germination) and the Annalf de I'institut Pasteur, bzw. The former was by a chap who d found phage shockate from $\frac{\mathrm{E} .}{\mathrm{Of}} \mathrm{E}$ coli to be capable of multiplying not only on protoplasts of E. Coli but also on those of A. aerogenes, efc., though $T$ don 't think he said whe ther the final crop had any changed host-range. The other man had followed through cell lineages of g. coli zygotes, and picked up all sorts of hybrid genotypes during the first few divisions. I'm not auite clear why these weren't detected girlier.

The mystery of cell-dity sion in diatoms beoovies more profound when one consi der those generg in whichione valve has a raphe - a groove in the silica, through which it can secrete mucilage and slip alang thereby - and the other hasnit. so at each cell-division (sorry, I mean cell division) the have-not produces a have valve, and the heve produces a have-not.

Thanks very much for your account of Heron Island; it sounds fascinating. If thaty where gephopen is normally, it has already fascinated us, since (ithe shidred some really wonderful coloured slides of its fauna when he visited the Fish \& Wildflower Lab. here a few weeks, ago, and (b) gave us some mosti entertaining information on the Barrier Reef animals, not only at that lecture, but also when we met him again at Ctanford, and on the trip to pacifice grove at, the end of the $A, I_{s, ~}$, meetings. He seems to be a most stimulating person; with a yery wide coverage of interests, and an excellent sense of dry humour.
J. suggests that the reason coral coasts seem to have so fow algae is that, apter all, corals, are $90 \%$ alga anyway, on - proteiniv basis (or'so the odums have acserted). Water passing over a reef becomes oxypenated during the daylight hours, Perhaps competition for $\mathrm{CO}_{2}$ is so intense that only the little endozoic 7ooxanthellae can get enough to live on.

She's finished the manuscript on phaeodactylum, and proposes to form a new suborder for it, the Monocraticulineae. The describing of new subclasses is a rare event these days. This afternoon I turned up my first paralyzed platymonas mutant (a marine cousin of Chlamydomonas); so I'm feeling pretty pleased with myself, too.

We had two meetings here last week, the Timolopists and oceanographers, ad the Genersl Physiologists, and by wearing the same badge I leaped nimbly from one to the other wi thout paying a second $\$ 2$ fee. A session on regulative mechanisis in microorganisms was most amazing; I had no idea that mass and magasanik and al. had bacteria so trained that they could turn on and off complicated synthetic and degrading - degradative? - pathways

## 3.

at will. They evidently have souls after all - the bacteria, I mean.

Talking of ... well, following Pree association ... we heard a most interesting debate on the B.B.C. last night about prostitution, which is technically not a legal offense in Britain, but which they hope to drive off the streets and, so to speak, into the telephone system (at least for the nore determined customers). It made me realise all the more forcefully whot a'puritanical land I live in now; I've not heard such free speech on the wireless for yeats and years.

I hope that those huge distances and all the lecturing are not precluding you from having a wonderful time.

