general population), it is now up by Industrial Research, a US magazine. only 5 or 6% a year. And severe characteristic of the last 25 years.

Not all universities have been affected Laboratory Though the 50 year old Hebrew University of Jerusalem is actually expecting a decline in enrolment this year, the newer institutions of higher learning in Haifa, Tel Aviv and Beersheba are still growing, albeit at a slower pace than previously.

tion of some 60,000 (which gives Israel development of leukaemia. about the same percentage of university of new universities (in the foreseeable group of international giants. future) and to crack down on plans to Another where in Israel.

elect of the Weizmann Institute. Pro- for use as high-protein animal feed. fessor Michael Sela thinks that Israeli sioned academic proletariat".

Naturally enough, the President of Amos Horev, believes that, regardless of the number of students, a greater percentage of them should be studying Israeli industrial output by 1980.

when money seemed to be available for would otherwise be required. everything at once. The boom is over.

higher learning are strengthening their stantial sums of money. ties with local industry. A recent con-

in the life of Israeli universities is Microviscosimeter MV-1, an Israeli other countries, as additional water coming to an end. After a quarter of a instrument expected to facilitate the supplies are urgently required here, century during which student enrolment early detection of leukaemia, which was almost regardless of cost. But both the has increased almost 40 fold (in con- this week named one of the 100 most Treasury and the taxpayers would be trast to a five-fold increase in the innovative products of the year by most grateful if recycling a larger part

financial problems have virtually Elscint Company of Haifa on the basis and very expensive desalination plants. brought an end to the spate of multi- of studies carried out by young A more controversial scheme for million pound building projects so researchers Michael Inbar and Meir increasing water supplies has come from Shnitzky of the Weizmann Institute's the Ministry of Agriculture's Soil Conof Membranes in the same way by the new situation. Bioregulation. It grew out of an Ministry experts claim that transform-

Letter from Israel

from Nechemia Meyers

ing seven institutions of higher learning level of cholesterol in the cell surface creating an excellent recreation area. to handle the current student popula- membrane and the blood, and the

students as the countries of western of 1974 for its large overseas sales of Institute Faculty of Agricultural Engin-Europe). Since, however, it would be medical and laboratory equipment, eering. "If the plan were implemented," politically impossible to shut one down, Elscint is particularly proud of the fact he declares, "it would supply the all the Council for Higher Education that its MV-L is sharing honours this country with very little additional water could do was to ban the establishment week with instruments created by a or meat, and, far from creating a new

achievement of create new faculties at existing univer- science-based industry unveiled recently Israel's few remaining focuses of natural sities, particularly where they duplicate is a mobile pilot plant for processing beauty and rich biological diversity." programmes already available else- sewage that provides as end products both purified water (suitable for irri- Agriculture plan has so far only been Reaction to the situation has varied gation and almost suitable for human tested on a carefully tended, one and from campus to campus. The President- consumption) and concentrated algae a quarter acre plot, Professor Naveh

institutions of higher learning should, Israel Desalination Enginering Ltd much wider and more diverse area. He in the circumstances, "use their shrink (IDE), under the supervision of Dr S. notes, for example, that uprooting ing resources to raise academic stan- Sachs, the installation, unlike treatment shrubs is a very expensive process if it dards rather than add floor space". And plants now in operation, does not is to be effective (costing several times Professor M. Z. Kaddari, until recently require the introduction of algae-killing more than was estimated by Ministry Rector of Bar-Ilan University, wants to lime or alum into its oxidation pools. planners) and, he adds, there is no cut down on the intake of students, not Instead, it concentrates and purifies the certainty that the new vegetation that only because of budgetary problems but sewage by low pressure ultrafiltration, takes over will be suitable for grazing also "to avoid the creation of a disillu- using membranes developed specifically purposes. for the task.

> input required—is relatively

 Despite their financial problems, or must also consider the fact that the form of increased water yields, grazing possibly because of them, institutions of algae 'left over' should bring in sub- land and timber) while ensuring that

Economic considerations in Israel undermined.

An extraordinary period of expansion sequence of such cooperation is the may be rather different from those of of Israel's sewage made it possible to The instrument was developed by the delay the construction of large scale and servation and Drainage Department. ing 85,000 acres of shrub-covered Galilee hillsides into pasture land would save 85 million cubic metres of water because grass requires less moisture than shrubs and the "surplus rain" would seep down into the aquifer. Moreover, they add, the new grasslands Off the record, some professors argue apparent correlation discovered by Dr would provide enough forage for raising that Israel does not need even its exist. Inbar and Dr Shnitzky between the 24,500 cattle each year, as well as

> The scheme has, however, been severely criticised by, among others, Named Israel's Outstanding Exporter Professor Zeev Raveh of the Technion recreational area, it would gravely enlocal, danger the ecological balance of one of

> Pointing out that the Ministry of doubts very much whether the lessons Built by the Membrane Division of learned there are applicable over a

Though a few months ago it was It is not yet possible to estimate the planned to implement the Ministry of the Technion Institute of Technology, cost of building and operating IDE Agriculture scheme at the rate of 8,500 units on a commercial basis, but an acres a year, public protests have important factor in costs—the energy prompted the Government to underlow take further studies before uprooting engineering lest a shortage of engineers because the purification process can be any shrubs on a large scale. At the same frustrate Government plans to double carried out at a pressure of 7 or 8 time, measures will undoubtedly be atmospheres, as compared to 60 or 70 taken to foster the multipurpose use of Whatever the logic of Horev's argu- atmospheres in conventional reverse- Israel's extremely limited areas of land. ment, priorities in the sphere of higher osmosis systems. Moreover, the low Professor Naveh, for his part, thinks education will have to be more clearly pressure permits the unit to be built that they must be carefully designed to defined than they have been in the past, with less expensive materials than suit the requirements and possibilities of each site so as to achieve a maxi-When expenses are calculated one mum degree of economic benefit (in the key elements in the ecosystem are not