F. Industrial Technology Fellowship

One of the more effective methods of technology transfer is through the movement of people. In top rank U.S. technologically oriented universities there are always a significant number of Canadian students. A systematic program of attracting a number of these students into Canadian industry upon graduation would be one method of promoting the flow of U.S. technology back to Canada, not only in the form of the know-how possessed by the students themselves, but also indirectly in the form of the contacts established by these students.

It is therefore proposed to offer, on a trial basis, a handful of industrial technology fellowships that would allow these students to act essentially as industrial technology advisors in training in the National Research Council system. Working out of offices located in appropriate Consulates in the United States, they would establish contact with potential industrial clients in Canada and provide assistance to them in acquiring U.S. technologies in their own areas or expertise. Fellowships would be tenable for one year, a period of time that would be sufficient for the recipients of the fellowships to find suitable employment in Canada, where they could continue their linking role.

Resources required

It may be possible to use an existing program for the fellowships, namely, NSERC's Industrial Research Fellowships, which was created "to encourage highly qualified scientists and engineers to seek careers with industrial organizations in Canada". If it proves to be possible to use this source, the only additional resources required would be the provision and furnishing of offices and support infrastructure and a budget for travel. Total estimated cost for five fellows would be in the neighbourhood of $50,000. If, on the other hand, the amount of the Fellowships themselves must also be provided, then an additional $125,000 would be required.