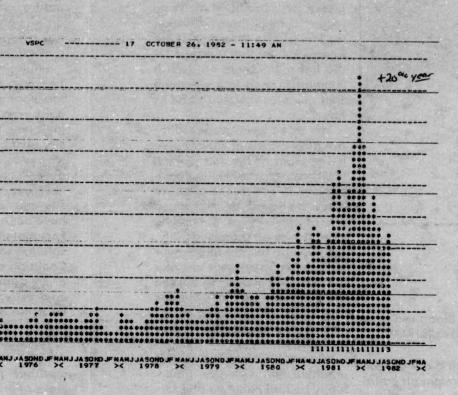
vith the Computer Age

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mputer use over the last ten years

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equivalent to the growth of travel technology in one hundred years. There are many advances in the field of computers that people are unaware of.

The increase in computer use at UNB has made it necessary for the centre to purchase new computers. The latest was bought in 1978. Since that time there have been additions such as new disk drives. Because of the growth in use, UNB is planning to purchase a new computer in the fall of '83. This one will have two or three times the capacity of the present model. The cost will be covered by money from tuition, government grants; the university budget in general.

Micro computers are on the way. Plans are being made to sell the remaining keypunches at UNB and bring in about 100 micro computers. These will allow for quicker turn around time because the user is working with the main computer. His is the only job being handled by the micro, compared to the large number handled by the main computer. This coming of micros will cause an increase in computer use rather than a decrease as one might expect. These micros will be available to people who presently do not use com-

fistor	rical Develo	pront			
	Machine Model	Instruction Rate in thousands per second	Femory size in characters (thousands)	Secondary memory in Characters (millions)	Consent
1959	1.GP-30	.1	20		The first computer
1961 1962 1963					at U.H.B.
1964	1620-11	7.5	40		Industry standard
1965			60	2	Printer, disk operating system
1966 1967					44
1968	360-50	250	128	28	Mag tapes, high speed printer
1969 1970			256 384	230	large disk system multiprogramming, telecomamications
1971					trial computer net-
1972	370-155	840	1024	٠ 030 -	APL terminal system
1973	370-158	1000	1024	. 330	Virtual memory system
1975			1533		
1977			3072	1430	non-188 mesory
1978	370-3032	3000	4096	3500	New machine
1980			6144	4000	Memory added
1981			1227	4000	
1766			1.41	8,000	New-ED- INIT. 1. 146m

puters. When they overcome their fear of computers they will soon be creating programs too large for their micro computers to do. This will bring them to the computer at the computing centre.

As we are able to design smaller and more efficient computers we are able to reduce the cost of running and purchasing them. The hand held calculators of today can do much of what the older, much larger and more expensive models could do. The computer planned for the fall will use considerably less power than the present model and therefore the cost of running it will be less. As we find better ways of cooling the computers, cost decreases once again.

There are many things in store for students and faculty of UNB in the field of computers. One example is the graphic terminals. Although not presently available, in five years they probably will be. Director David MacNeil prefers to keep some of the people working at the centre at least five years ahead. Presently there are individuals working with the new graphic terminals.

As can be seen, UNB is keeping up with the changes in computing technology.