

tionary force capable of transforming our civilization. Let's look at one of the consequences.

In the near future every large nation will be able to beam, either by direct broadcast or relay, high quality programmes to the entire planet. There will be no shortage of wavelengths as there is today for local services. One of the advantages of the satellite relays is that they will make available vast new bands of radio spectrum providing "ether space" of at least a million simultaneous television channels or a billion radio circuits. This will mean the end of all distance barriers to sound and vision alike. Montrealers will be able to tune in on Peking. New Yorkers will be able to see live programming from London.

MIRROR OF THE WORLD

What are the implications of this feat? When the great highway of ether is thrown open to the whole world, all men will become neighbours - whether they like it or not. Censorship, political or otherwise, will be virtually impossible. To jam signals coming down from the heavens is almost as difficult as blocking light from the stars. The Russians would be able to do nothing to stop their people from seeing the American way of life and the Chinese will be able to look across the straits to their cousins. Language will be no barrier - computers will automatically and

simultaneously translate from one language to another.

There are dangers as well. By 1970, the U.S.S.R. can establish the first high-powered satellite television relay from above Asia, broadcasting in several languages so that more than a billion human beings can understand the programmes. Billions who have never learned to read, have never seen a movie, and who have no rival distractions could fall helpless under this hypnotic spell. The whole thesis of nationalism and patriotism must be re-examined in the light of these startling and astonishing developments.

When I try to envisage what lies ahead, I sense that our generation represents only a very early stage in the total story of evolution. It is our job today to ensure that our brief stay on this planet will not be criticized by those who follow us because we failed to meet the challenge. We must begin now a meaningful communication amongst ourselves. Our descendants, less cluttered up with material possessions, may remember and concentrate on many of the things we have forgotten: perhaps the only things in the world that are everlasting, the imponderables of beauty, of wisdom, of laughter and of love.

Those who look to the future as I do, with hope and anticipation, want Canada to realize her own potential. We yearn for improvement in the quality of our national life. We want a rewarding co-tenancy of this continent with our American neighbours....

FUTURE FORECAST
...The time will come when we shall be able to...
Each of us will have a number. We shall be...
This instrument alone may change the patterns of...
primitive ancestor, did over the past half century. The...
paths are obvious; think of the invasions to privacy...
of the countless lives it would save, the languages...
and heartbreaks it would avert. Remember what the...
telephone has meant to lonely people everywhere. To...
one need ever be lost again because a simple position...
and direction-finding device can be incorporated into...
the receiver, using today's radar navigational aids...
in the event of danger or accident, help could be...
summoned merely by pressing a button...
As communications improve, the need for more...
proportion will decrease. Our grandchildren will...
accurately believe that millions of people once spent...
literally hours of every day finding their way into...
cities, where, as often as not, they did nothing...
that could not be achieved over telecommunications...
links. Soon global phone and vision services will...
enable executives to confer with each other anywhere...
on the planet. We are only at the beginning. Today...
we have data-handling systems capable of controlling...
nation-wide industrial empires from one spot. Elec...
tronics is already permitting the decentralization...
which raises rents and overhead costs, encourage more...
strongly every year.