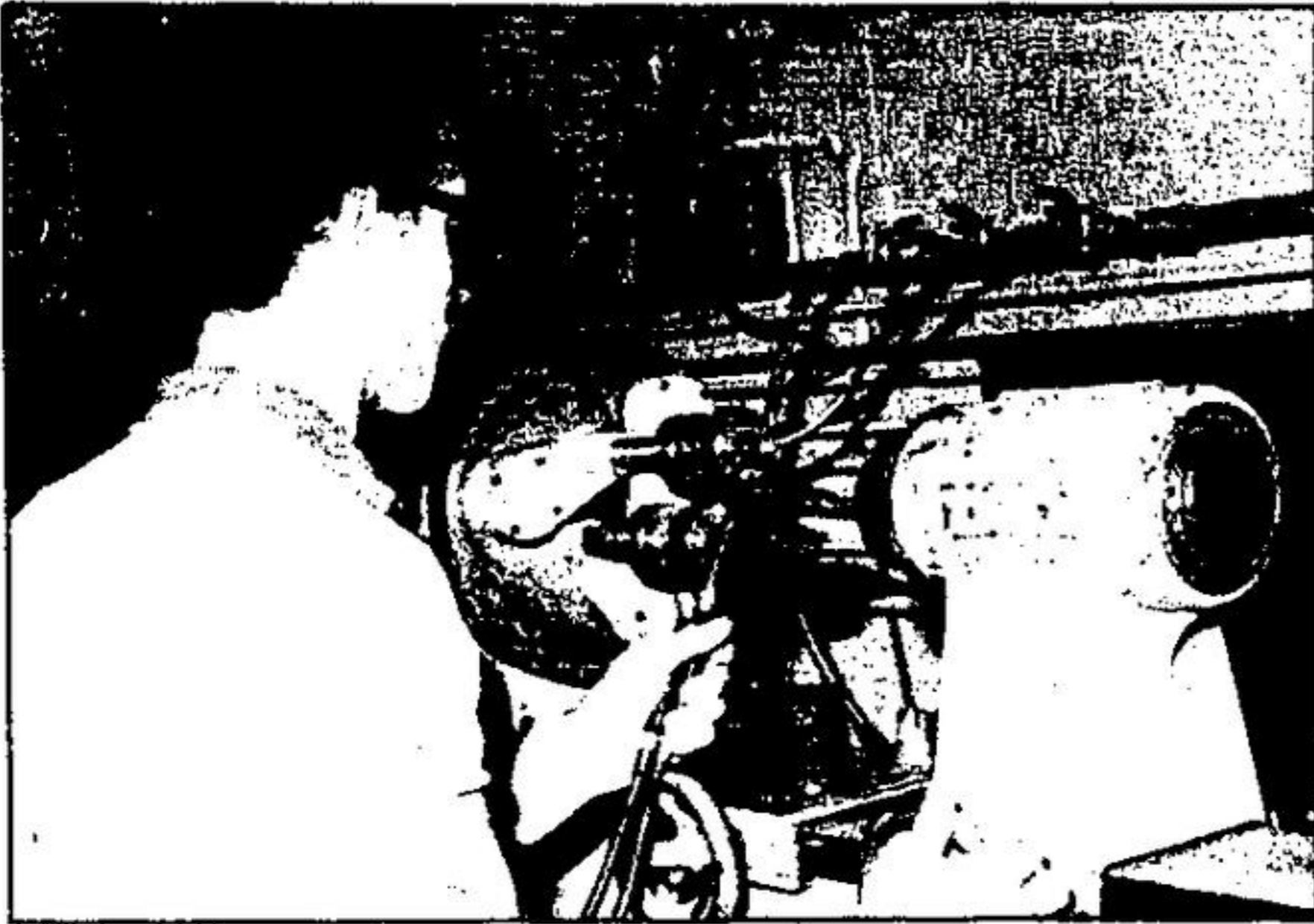
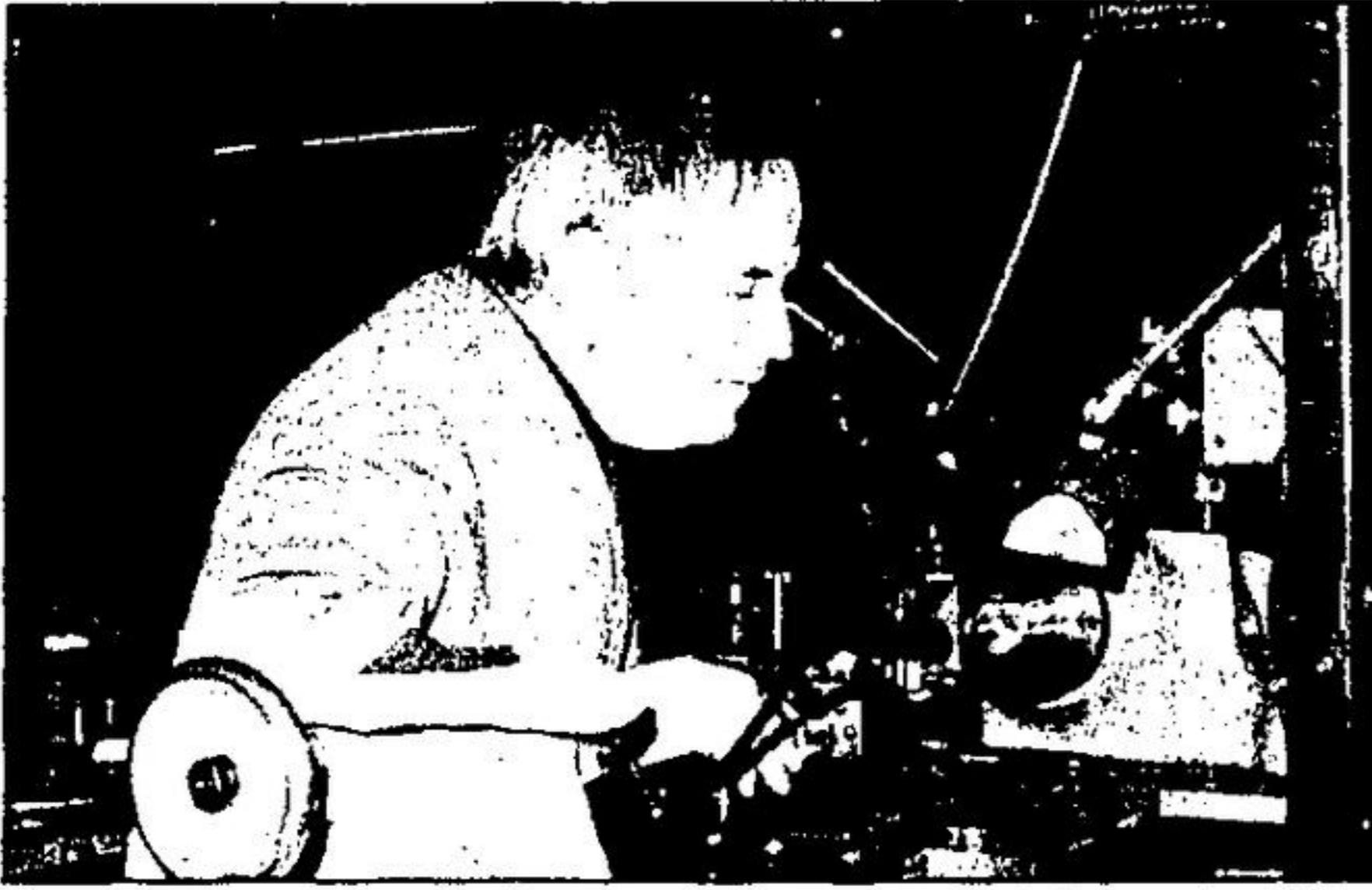


Tennis, soaps, on TV — Varian does its part!



Working of a lathe Phil Milne makes a glass bulb for a travelling wave tube.



It's mighty fine work to machine a millimeter cavity so Bob Vanderham needs a microscope, as he concentrates on the job.

Enjoying a hockey game, watching pay TV or catching a tennis match from Wimbledon?

Chances are Varian Canada, right here in Halton Hills in Georgetown, has a large part in bringing them to you. No, they're not in the entertainment business, but at the plant at Mountainview and River Drive, products with names such as reflex klystrons, power klystrons, magnetrons, travelling wave tubes and extended interaction oscillators and amplifiers, help to make modern day communication possible.

The more mundane methods of communication through Ma Bell and American Telephone and Telegraph also rely heavily on this local firm which has been in Georgetown long enough to be taken for granted.

But in high technology circles all over the world, and by Telesat, NASA and NATO, it is certainly not taken for granted. The name stands high and is recognized for its world class design in this sophisticated communications field.

In 1954 Varian settled first in a 6,000 square foot building, and now 28 years later, through steady growth and expansion, the plant has grown to 75,000 square feet. But that's not all. Varian also leases 25,000 square feet of warehousing space and 13,000 square feet of sales and servicing area in separate locations. In currently employs approximately 400 people down from its peak of over 500.

Some of the "old originals" are still there, including badge No. 2, Peter Romano, Charlie Crawford, Mike Szwee, George Frost and Josie Tost.

Varian is unique in Canada since no other company in this country manufactures the same products, and in world markets Varian has captured the leadership in millimeter technology.

Telephone equipment manufacturers such as Northern Telecom and Western Electric are major customers who make up a large part of the basic business. Varian makes travelling wave tube amplifiers for their point-to-point radio communication. The buildings at the base of their microwave towers marching across the country 30 miles apart, contain many of Varian's products.

Communication companies, such as Canada's Teleglobe and Telesat, use Varian's high power klystron amplifiers to transmit signals and sends it via the transmit antenna to the satellite where it will be relayed to receivers at other locations inside Canada, Asia or Europe.

"We were really rushing to get transmitters out in time for the start of pay TV,"

said General Manager Connell Smith, "We were seriously concerned we wouldn't make it in time."

But they did of course, just as they've come through with original products since the company's inception 28 years ago.

In contrast to many companies who have pulled back on research and development, Varian concentrates heavily on it, conceiving, designing and developing many of their own products. For the whole corporation they develop millimeter oscillators and amplifiers as well as amplifier tubes and the power supplies to operate them.

The company is now working at extremely high microwave frequencies ranging from 30 to 200 gigahertz yielding higher power per unit size and weight than previous technology. They have contracts with the United States government to develop some of these tubes.

The work done here is not easily available in the States, making it a boon to Canada's export trade. By far the bulk of the business comes from outside of Canada as the orders coming in by Telex from India, Sweden, US Air Force Bases and universities, testify. While now specializing in the microwave

field, through the years Varian has been honored by the National Aeronautic and Space Administration, (NASA), for their manufacturing of a Scalar Magnetometer, which attached to a satellite measures the earth's magnetic fields and opens new dimensions in studying the earth's crust. Two of their employees were recognized for the development.

Another project which attracted world attention was a device which helped in the recovery of the world's biggest pirate treasure, valued at \$40 million. This one made national television.

And then there was a computerized parimutuel system for horse racing in Brazil, which used special terminals designed and manufactured by Varian.

These unusual items made headlines for the company which normally has a low profile to the general public, but an exceedingly high one in the world communications technology.

Varian has put the town on the map in this sophisticated field, and in so doing has produced a highly trained technical labor force which is a big asset to both the company and the country as a whole.



Nancy Rhynold machines leads so small she needs a magnifying glass.



Sonya Linda gives final inspection of travelling wave tube assemblies before shipment.

Silverwood

Champions visit W.I.

by Eva Martin

Five championship bowlers and their coach were the special guests of Silverwood Women's Institute February meeting held at the home of Mrs. Willa Shortill.

Coach Shirley Chaplin told members how the girls, ranging from age 8 to 11, worked their way up the ladder to become the Georgetown Bowl Bantam Girls' National Champions. The team is already working

hard for the chance to defend their Canadian title.

Silverwood WI will be hosting a euchre at the home of Mrs. Pearl Burt on March 28 at 8 p.m.

Next institute meeting will be held on March 10 at 12.30 p.m. at the home of Mrs. Doris Lindsay. The members will be celebrating their yearly birthday party by a pot luck luncheon.

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Pomeroy optimistic on aggregate policy change

Mayor Pete Pomeroy says he is "cautiously optimistic" that the maps designating mineral protection areas will be removed from regional and local plans, after speaking with Minister of Natural Resources Alan Pope Tuesday with the three other mayors in Halton.

"I firmly believe there will be a removal of the land use schedules from the plans," he said.

He added the Resources Minister will make major announcements about the aggregate issue in the next few weeks.

"But anything they do will not be accepted by the aggregate industry," stressed Pomeroy, adding it will still be a lengthy process.

"But I'm fairly confident that the govern-

ment's position will be to remove the land use maps and the applications for any extraction will have to go through normal process where every application is viewed on its own merit," he added.

Pomeroy mentioned there is a possibility of an Ontario Municipal Board (OMB) hearing, then cabinet will make a decision. "The whole thing could take up to the next two years before it is finally resolved," said Pomeroy. "But we're on the right track now."

The meeting with Pope was requested by regional officials last fall after public reaction forced regional council to delay passing an official plan amendment which would "freeze" about 14,000 acres, mostly in Halton Hills and Milton.

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