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### Career Opportunity



Irving Pulp & Paper, Ltd. located in Saint John, New Brunswick is a manufacturer of high quality bleached kraft pulp. We are presently recruiting for the following positions:

#### PROCESS ENGINEER

Reporting to the Process Engineering Supervisor, the ideal candidate will be a Chemical Engineer with experience in the Pulp & Paper Industry.

The incumbent will be involved in a millwide distributed control system program, process optimization projects, and the justification and development of major capital projects.

#### MAINTENANCE SUPERVISOR

The Maintenance Supervisor will report to the Mechanical/Maintenance Superintendent and will be responsible for planning and implementation of the daily maintenance of mill equipment.

The ideal candidate will possess a strong background as an Industrial Mechanic and/or Machinist combined with strong interpersonal skills. Pulp & paper experience in a supervisory capacity would be a definite asset.

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The second annual Cosmo Filane Hockey Tournament was held last weekend at the Schreiber Recreation Centre. Six teams from Thunder Bay, Schreiber, Wawa, Chapleau, and Fallen Rock took part in the tourney. Above is some action from the first game of the tournament between the Thunder Bay Canadians and the Schreiber North Stars. Schreiber won the game by a convincing score of 9-2. Photo by Dave Chmara

# Life shorter for left-handers says study

Left-handers have a shorter life span than right-handed people and also have more accidents, according to studies by psychologists Stanley Coren of the University of British Columbia and Diane Halpern of California State University.

Coren and Halpern specialize in the study of 'handedness'. In a previous study, Coren found that on average about 87 per cent of people are basically right-handed, and 13 per cent are left-handed, though some may use the opposite hand for certain tasks.

"People are also right or left 'footed', Dr. Coren says. "They'll put one or the other forward first. Nine out of ten people are 'right-footed'." 'Handedness can also apply to a preferred eye and ear, he says.

Coren and Halpern decided to follow up an earlier study by Coren. He and Claire Porac of the University of Victoria studied 5,000 individuals from age 8 to 100 in 1981. They found the numbers of left-handers decrease with age. While 13 per cent of 20-year-olds are left-handed, only five per cent of people in their fifties are left-handed. At age 80, the study showed "virtually nobody" who was left-handed - suggesting that left-handers die younger.

To discover if this was the case, Coren and Halpern needed a reli-

able database. They found it in the *Baseball Encyclopedia*, which gives the date of birth, date of death and throwing and batting hand of every player in major league baseball. Switch-hitters were eliminated, so the study concentrated only on players who used the same hand for both batting and throwing.

The right-handers outlasted the southpaws. By tracking 1,472 right-handers and 236 left-handers, the two scientists discovered that up until age 33, a left-hander had a two per cent greater likelihood of dying than a right-hander.

The mean age of death for a right-hander was 64.64 years compared to 63.97 years for the left-handers. The oldest left-handed player died at 91 while the oldest right-hander died at 109.

Coren says one limitation of the study is that the subjects are all men in the peak of physical condition. The two scientists are now looking for a way to determine whether the same death rates apply to the general population.

The reason for the left-handers' higher death rate may be genetic and physiological. Though consistent left-handers are only about 4.5 of the population, they have twice the average amount of problems before or during birth.

Two studies, one at MIT and one by U.S. and Canadian researchers, including Coren, looked at common allergies, irritative colitis and auto-immune diseases (where the immune system attacks the body itself) and found that they were more prevalent among left-handers.

In fact, Coren and his colleagues are now studying left-handers as a marker for various physiological difficulties. They plan to publish a book on their work in the near future.

Moreover, left-handers may be more prone to accidents because they have to live in a right-handed world full of right-handed tools and technology: for instance, cars have stick shifts designed for the right hand. Coren says the problem would include not only major accidents but also the cumulative effect of a lot of minor accidents over the years.

He recently completed a study of 1,900 university students which showed that the southpaws had more broken bones and cuts that needed stitches than did right-handers.

Other studies indicate there is a greater proportion of criminals, alcoholics and people with psychological problems among left-handers than among right-handers, Coren says.



The Terrace Bay Superiors and Schreiber Sabres squared off against each other Wednesday night. The teams must have been tired as the Sabres had only one substitute and the Superiors didn't have any. Photo by Dave Chmara