

Follow That Cloud...

(continued from page 1) the use of laser beams, weather balloons, photography and monitoring equipment to obtain as complete an analysis of the plume as possible.

Three people from Ontario Hydro's Research Division lead the team through the nine week program. Mrs. McMillan, a doctorate candidate herself, collects the information and uses computer programs to analyze the seemingly unmanageable volumes of information. Sven Djufors, the theorist in the group, devises the mathematical explanations of the information. Colin Kerry, a Chemical Engineer, who is the Project Co-ordinator, is the specialist in finding or developing the various instruments used to accumulate the information from the base of the stack from meteorological studies, photography, laser probes, and ground travel in a specially - equipped Station wagon.

Samples of gases leaving the ducts from the furnace are collected by a maze of plastic tubes and hoses leading from the gas ducts between the furnace and stack to a small steel building at the base of the stack. Chemical technologist, Werner DeVries, maintains the equipment and recorders which give precise analysis of the gases leaving the station. The rest of the team are not so lucky.

"It is like chasing a cloud," Ann says.

One group fills weather balloons with helium and then tracks the balloon until it disappears into the sky to learn the wind direction and speed. A small packet of insulating foam hanging from the balloon like the tail of a kite houses a transmitter which returns a signal that is recorded and gives the temperature of the air as the balloon rises through various levels. Every one else uses his information to make his part in the study more productive.

Dr. P. Slawson from Waterloo University has developed a method of using photography to follow a plume and to observe its behaviour and growth. Bob Vett, an engineering student, sets up his camera and takes his timing from the weather men. The advantage of increased visibility when the precipitators are reduced in efficiency lets him photograph the plume during the tests.

The Hydro Station wagon has a scoop mounted on the roof to capture a continuous flow of air for the equipment inside which analyzes the samples of air to learn the levels of sulphur dioxide at the ground levels. Fred Stubbs and Doug Major of Hydro's Research Division cross the countryside on the county roads from Nanticoke to Simcoe to Cayuga trying to pick up the amounts of Sulphur Dioxide in the air at ground level.

"Every so often we hold a match in front of the equipment to make sure that it is still working," Fred says. "Without the wind direction and information from the weather group and a visible plume we cannot be sure that we are even under the drift of the gases downwind. This equipment is capable of picking up levels as low as one part in a hundred million."

The laser beam is from York University. Dr. Houston and his partners have travelled all over North America with their equipment. The laser beam which the fires is reflected by particles of dust suspended in the plume. The reflected rays bounce back to equipment in their mobile laboratory where they take a polaroid picture of the plume during dispersion. The equipment, worth over \$50,000, is housed in a special mobile trailer with a second trailer behind to carry a generator which provides their electricity.

All the results are collected, collated and studied to further the goals of minimal impact on the environment.

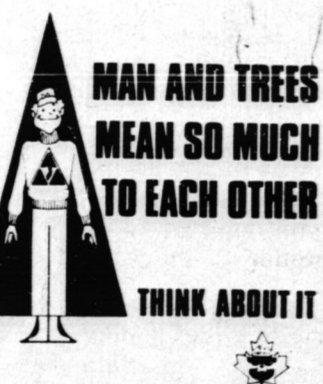
"There are two approaches which Ontario Hydro could take," Ann explained. "We could wait and see, and respond to government legislation and the direction of the Air Management Branch to cut back output as various levels or limits are reached. Or, we can set plateaus for ourselves ahead of legislation. We chose to set the pace well ahead of legislative controls. When we emit a more visible plume for study purposes, the Air Management Branch tolerates it knowing that we are looking much further ahead than just today."

NO PAPER

The Record staff will be holidaying from August 1st till Thursday August 8th this year. The office will be closed during that time and there will be no August 8th issue.

We urge all advertisers to send copy relevant to our holiday week in for our August 1st paper. We'll be open again for business as usual on Thursday, August 8th.

All news copy sent to The Record during that week will be typed for the following issue.



WEEKLY AUCTION

SATURDAY at 7 p.m.
ANTIQUES - FURNITURE - ETC.

Jarvis Auction Mart
HWY. 6 at HWY. 3, JARVIS, ONTARIO

CONSIGNMENTS WELCOME

RUMMAGE SALE
New Clothing and Footwear

"OPEN ALL DAY SATURDAY"

SWEEP, SWORD AND SPICE

(continued from page 1) Pre-schoolers meet Tuesday and Thursday afternoons, grade one to four on Monday, Wednesday and Friday mornings and Tuesday and Thursday afternoons.

Grade five to eight get together Tuesday and Thursday mornings and Monday, Wednesday and Friday afternoons.

Renton Personals

Mr. and Mrs. Fred Lloyd, Bruce and Brian have returned home after spending two weeks visiting relatives and friends and various places in England.

Mr. and Mrs. Paul Weidendorf, Mr. and Mrs. Wayne Walker and son of Smith Falls, Mrs. Ina Mitchell of Jarvis, Karen, Donald and Carol Lee Matthews of Port Dover were Sunday supper guests at the home of Mrs. George Duncan.

Mrs. Elsie Wallace and daughter of Brantford spent Wednesday at the home of Mr. and Mrs. Cameron Mitchell.

Mr. and Mrs. A. Rickard and son of Elmira were Sunday guests at the home of Mr. and Mrs. Fred Lloyd.

Mr. and Mrs. Charlie Mitchell left by plane on Thursday last week to spend two weeks in Calgary at the home of their daughter and son-in-law, Mrs. Orlin Fisher and Mr. Fisher.

behind CRISP - Correctional Rehabilitation Involving Student Participation.

Twenty - four full-time students and one part - time are helping to provide young offenders at the Spruce-dale training school with recreational and educational programs.

Besides helping the Ministry of Correctional Services expand its probational and institutional care, summer camps, excursions and direct personal contact are all part of the CRISP program.

Youth In Action The Ministry of Community and Social Services operates "Youth In Action" on a cost share basis with municipalities, recreation committees and other local social service agencies.

It provides financial assistance to recreation-oriented community projects. Two students are presently working on an Interpretative Program

TRAVEL REPORTER

By DOROTHY LINDSAY



QUESTION: Can you give us a tour or trip someone else is advertising?
ANSWER: Yes, because we cooperate with everyone in the travel business!

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32 ROOMS COLOR TV

The Selkirk Scene

Mr. and Mrs. Reg Pineo and family are enjoying the company of four students from Loughborough University, Leicestershire, England. Robert Taylor, Vija Malholtra, Davi, Vija and Richard Cass are mechanical engineers from England and are here in Ontario for a four week holiday. They visited Toronto for ten days and are now in Selkirk for a few days and then they hope to travel to Niagara Falls and North Bay. The one young man would like to immigrate here after he is through his studies as a mechanical engineer at Loughborough University in England.

Ena Swarts, Mabel Toll and Agnes Earnshaw spent two weeks in the Muskoka area at Skeleton Lake, fishing, visiting friends and relatives and just plain relaxing. Don, Linda, Cathy, Janice and Heather Mawhinney spent the last two weeks vacationing at Port Elgin, during some of their Centennial celebrations, and then they travelled to Bracebridge to visit Santa's Village.

David, Barbara and Geoffrey Otterman from Hammond, New York, spent a few days last week with David's parents, Edith and Bruce Otterman of Selkirk. Marion, Wanda Lynne, Gina and Julie Anne McKenzie attended the Woolley Reunion at Tillsonburg.

Selkirk Firemen were called out Saturday morning at 12:30 to the scene of an accident on the Walpole - Rainham tolline. We are sorry to hear that George Heastont, a well known resident of Nanticoke, who has worked for many farmers in the area was killed in the accident. John Hoover of Selkirk, driver of the tractor - trailer, with a load of hay was not seriously injured. We wish to extend our sincere sympathy to the Heastont family. George will be sadly missed by his many relatives and friends.

Mr. and Mrs. Gong DeJong of Toronto spent the weekend at Mr. and Mrs. Peter Sloopweg's summer resort at R.R.1, Selkirk.

Mr. and Mrs. George Abbott and family took an excursion on a chartered houseboat on the Trent Canal from Peterborough to Cameron Lake. While travelling they visited Mr. and Mrs. Leonard Church, formerly of Jarvis, at their summer resort, Lake Breeze Lodge on Cameron Lake. They bought a couple loaves of Mrs. Church's delicious homemade bread. They arrived there to find Mr. and Mrs. Howard Dennis visiting the Church's. The Abbotts were in the locks when they accidentally opened and this was a very thrilling experience. Selkirk Firemen had a nice evening and a good turnout at their Fish Fry Saturday night. I understand that preparations and plans are well underway for Selkirk Sports Day

PRE-INVENTORY CLEARANCE WED. - THURS. - FRI. - SAT. JULY 24 - 25 - 26 - 27

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BILL'S MEN'S & BOYS WEAR

\$300,000 Grant For Water Supplies

Additional grants totalling \$300,000 have been made to the Minister of Natural Resources to continue biological studies of the waters off Nanticoke on Lake Erie. Ontario Hydro has contributed \$150,000; while the Steel Company of Canada and Texaco Canada Limited have each contributed \$75,000. The new grants supplement initial awards totalling \$200,000 by these firms

Labour Manager Hired

Bill Hodgson of Hagersville has been hired by the Local Agriculture Manpower Board to be manager of the Labour pool.

Minister of Manpower and Immigration Robert Andras gave his approval last week.

to pay for studies by the Ministry between 1970 and 1973. As a result of the latest awards, work will be continued through 1977. The initial three-year program described biological base conditions for certain sport and commercial fish species in the part of Long Point Bay which may be affected by Hydro's Nanticoke generating station and the planned facilities of Stelco and Texaco.

At all newer generating station sites, Ontario Hydro now carries out its own environmental studies after site acquisition, prior to the start of construction, during the commissioning process and for a period after operations begin.

GOLDEN HORSESHOE CITY - Caledonia -

CIVIC HOLIDAY WEEKEND AUG. 3-4-5

✓ Steam Engines ✓ Fiddle Contest
✓ Antique Village ✓ Horse Pulls

A PARADE EACH DAY OF THE SHOW
(contributing to the Haldimand Association for the Mentally Retarded)

CITY OF NANTICOKE

SCHOOL CROSSING GUARDS

Applications for School Crossing Guards will be received by the undersigned until 4:30 p.m., Tuesday, August 13th, 1974 for school crossing guards to serve Port Dover and Jarvis areas of the City of Nanticoke.

Applicants should mark applications as to contents and mail to Mr. Wm. Buck, Protective Services Committee, City of Nanticoke, P.O. Box 10, Port Dover, Ontario.

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