

# TORONTO FIELD NATURALIST

Number 452

May 1995



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## TFN MEETINGS

Sunday, May 7, 1995 - PLANT LORE - WHAT'S IN A NAME?

at 2:30 pm

in the Northrop Frye Hall  
Victoria University

73 Queen's Park Cres. East

an illustrated talk by Steve Bowen of the  
Royal Botanical Gardens in Burlington, Ont.

Learn about how plants got their names and other  
stories to help you remember more about the many  
plants you will meet on your summer outings with  
the Toronto Field Naturalists.

- + "social hour" starting at 2 pm with free coffee  
and juice outside the auditorium.
- + an opportunity to renew your TFN membership (see  
page 39 for renewal form).
- + an opportunity to join the TFN or to buy TFN  
publications, badges, pins and decals.
- + back issues of the Ontario Field Biologist (a journal  
previously published by the TFN) will be for sale;  
subjects include "wildlife of the Rouge Valley";  
" birds and plants of the Leslie St. Spit".
- + "Always Alice Cards" for sale. To order custom  
cards, call TFN member Alice Mandryk at 767-6149.

NEXT MEETING: Sunday, Sept. 10, 1995 (the first Sunday after Labour Day).

### IT'S YOUR NEWSLETTER!

Requested: essays (no longer than 500 words), reviews (no longer than  
300 words), poems, cartoons, sketches and newspaper clippings.

Subjects: plants, animals and natural areas in the Toronto region,  
especially reports of personal experiences with wildlife.

Please include your name, address and telephone number so submissions  
can be acknowledged. With newspaper clippings, include source and  
date of each clipping.

Time dated material such as notices of meetings should be submitted at  
least six weeks before the month in which the event is to take place.

Send material to: Toronto Field Naturalists  
20 College St., Unit 11  
Toronto, Ont. M5G 1K2

Newsletter Committee members: Helen Juhola, Diana Banville, Jenny  
Bull, Eva Davis, Nancy Fredenburg, Eileen Mayo, Joan O'Donnell,  
Toshi Oikawa.

## PRESIDENT'S REPORT

My swan song begins with Variations on a Theme: "There's a long, long trail a-winding." First, some positive improvements have occurred in Metro. A couple of years ago Ontario Hydro and Consumers Gas provided funds to begin a restoration along Lavender Creek, a tributary of Black Creek on the boundary between Toronto and York. A new path was created, and native shrubs planted. Also in 1993 Etobicoke Works Department asked TFN to comment on their Watercourse Improvement Program along stretches of Albion Creek and Humber Creek, both tributaries of the Humber River. Consequently that May, Helen Juhola and I walked along sections of both creeks, and submitted Helen's suggestions. Beside Humber Creek west of Royal York Road we discovered a delightful little wetland beside the path. Marsh Marigolds were in bloom along with Mayapple, Foamflower, Wild Geranium, Fringed Loosestrife, and Sensitive Fern. Because of seepage from springs on the hillside, the concrete path beside the creek had crumbled. We urged that the route be diverted to the other side of the creek between the two foot-bridges. Last year I noticed that this, our main recommendation, had been followed; so I wrote a letter of appreciation.

Secondly, we are quietly attending to several issues such as mountain bikes. Representatives from Metro Parks and members of the cycling community joined us on the July outing to Crothers Woods led by Paula Davies. There were informed discussions about safety hazards on hilly trails, as well as many examples of environmental damage to this beautiful forest. On an August walk to Lambton Woods participants were appalled by the effects of trail bikes on the wood chip path through the forested strip. A member who lives nearby agreed to voice her concerns to Metro. The Transportation Sub-committee reported to the High Park Advisory Committee about mountain bikes on park trails. Some are in environmentally sensitive areas where the sandy soil is easily eroded. They hope to produce an inventory of alternative routes soon. Some trails will be closed this spring, and later, signs and bike racks will be installed at trail entrances. Allan Greenbaum represented TFN as a panelist on "Mountain Bikes and Metro Parks". He reported that a sociological study showed that mountain bike owners are generally affluent and well-educated. Because signs prohibiting bikes are destroyed, the signs should explain the reason — that the area is sensitive. Alternative areas for bikes should be found and bike shop owners must be educated. A couple of local people showed slides that documented the damage done to Glendon.

In 1969 the City of Toronto passed a bylaw allowing Designated Dog Runs in several parks, and this is now causing problems. Dogs sometimes drink from fountains and damage plants and paths. (MTRCA wants proof that dogs disturb wildflowers; does anyone have evidence that they affect plants, rare or otherwise?) Their faeces eventually enter the watercourses via stormwater or groundwater. Worst of all they sometimes attack humans and wildlife such as birds that nest on or near the ground. A sensible alternative would be to fence a grassy area where owners can talk to each other and scoop. The dogs won't get lost or harrass park users. In Sherwood Park many residents are frightened by groups of dogs brought by dogsitters for exercise. Other locals are angered by the resultant trail damage in

## PRESIDENT'S REPORT (cont'd)

the oak woodland. In High Park people are confused by signs that proclaim "Designated Dog Run" near warnings that "Dogs Must Be Leashed". Certainly it is incompatible to allow dogs to run through an Area of Natural and Scientific Interest. The Safety Subcommittee of the High Park Advisory Committee is pursuing this matter. Recently I wrote to the Mayor and Council on behalf of TFN. Last fall Ken Cook wrote to them regarding Glen Stewart Ravine. No-one cared that he had been bitten, but people were aghast that dogs might attack CHILDREN. In addition, a dog off-leash accompanied by its owner will protect the owner and possibly attack passers-by. Many local residents including the Councillor also wrote, and now the dog run is banned in Glen Stewart!

After 14 years Helen Juhola is relinquishing the task of organizing volunteers for Sunnybrook Cabin. Nobody was willing to take over, however. In 1994 attendance had fallen drastically. Moreover it's a fairly long walk in on a busy road or the adjacent ditch. And most important, many volunteers lack enthusiasm for spending another Sunday afternoon there, unsure that their efforts are worthwhile, or preferring to go on an outing. So the Board of Directors decided to defer staffing the cabin for a year at least.

For a finale here's a medley of familiar tunes. I wish to thank the Board of Directors for their continued support. I'm especially grateful to Helen Juhola for her suggestions and patience, and also to Eileen Mayo for her advice and her willingness to act as Past President for an extra year. Next a great crescendo of praise to the many active volunteers who helped in myriad ways to further the aims of our organization. You know who you are. I wish you all a good summer.

Joan O'Donnell

□

Into my bright room  
flies small light-bewildered bat.  
Light doused, return flight.

haiku by Arthur Wade



Jack-in-the-pulpit in flower

...and in fruit

## REPORT OF THE NOMINATING COMMITTEE

The Nominating Committee, chaired by Eileen Mayo, recommends the following slate of nominees to the Board for the 1995-96 year:

|                              |   |
|------------------------------|---|
| President:                   | Allan Greenbaum                                       |
| Vice President:              | Morris Sorensen                                       |
| Past President:              | Joan O'Donnell  |
| Directors to retire in 1996: | Karin Fawthrop<br>Ken Cook<br>Phoebe Cleverley*       |
| Directors to retire in 1997: | Tracy Butler<br>Helen Juhola<br>Ann Millett           |
| Directors to retire in 1998: | Alexander Cappell<br>Nancy Fredenburg<br>Aarne Juhola |

TFN By-law no. 1, section 5(g) provides that "any three members may submit, in writing, to the Secretary-Treasurer by July 15th the name of a candidate accompanied by the written consent of the nominee. Such nominations shall be published in the September issue of the newsletter and the names of such nominees shall be added to the list of candidates submitted by the Nominating Committee". The Secretary-Treasurer is Aarne Juhola, 112-51 Alexander Street, Toronto, Ont. M4Y 1B3.

According to TFN By-law no. 1, section 5(b), "If an election is required it shall be by ballot mailed to all members. Ballots may be mailed to the auditor or deposited at the Annual General Meeting prior to the commencement of the meeting. The ballots will be tabulated by the auditor who shall announce the results."

*Joan O'Donnell*  
Eileen Mayo, Chairman  
Nominating Committee

\* Introduction: Phoebe Cleverley grew up in Toronto, where her interest in birds began when she was a teenager at camp. For 18 years she lived with her family in Vancouver, returning to Toronto in 1988. She recently retired from Knox College where she was assistant bursar. □

...No man ever will live long enough to learn all there is to know about the wildlife that exists in this great city...

from A NATURAL HISTORY OF NEW YORK CITY (revised, abridged) by John Kieran, published by the American Museum of Science, 1971

KEEPING IN TOUCH

March 16, 1995

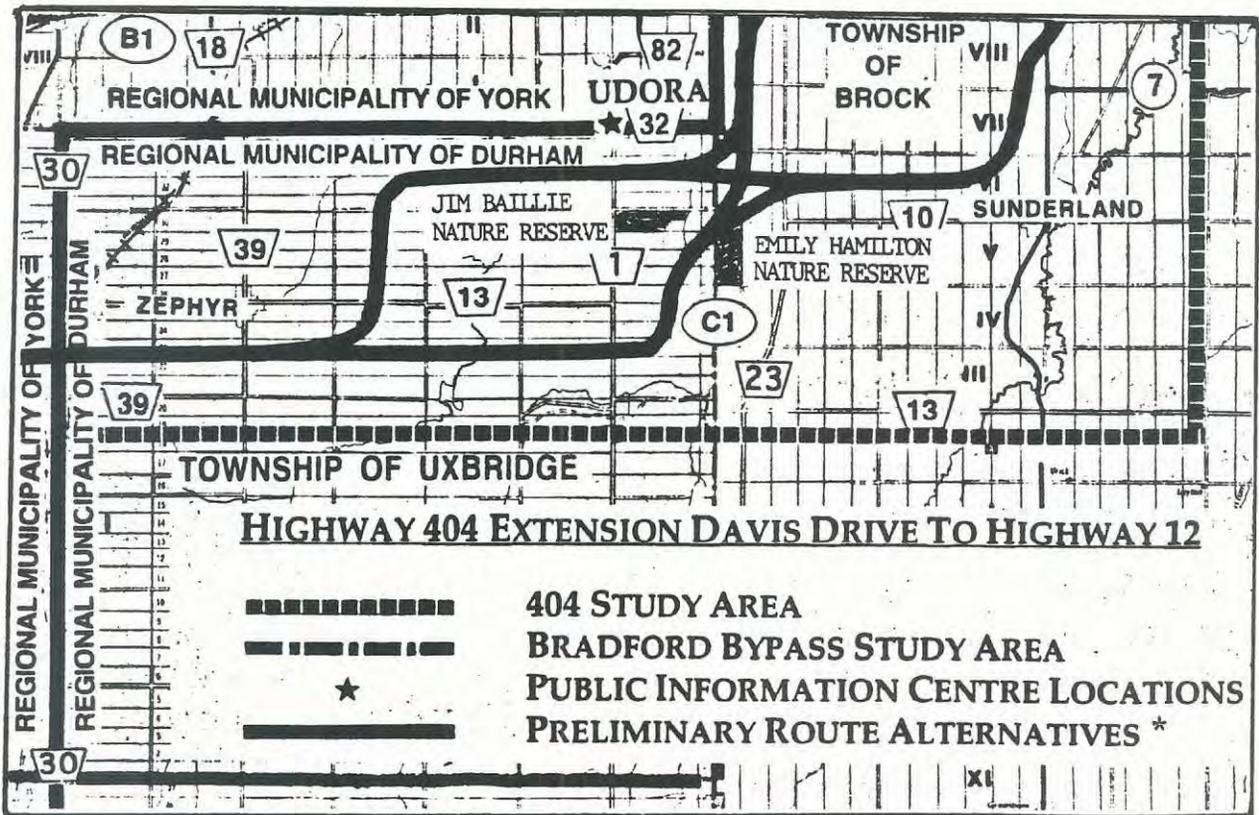
Thank you for your letter expressing concern about the proposed extension of Highway 404.

I appreciate hearing your perspective on this issue. As you know, the Ministry of Transportation is responsible for addressing the long-range transportation needs of the province. Regional and local municipalities have indicated their support for an extension of Highway 404 to serve long-distance commuter traffic.

The Ministry of Transportation examines the need for new roads and their environmental impact very carefully. Environmental assessment legislation requires the assessment and documentation of need and justification as well as alternatives and inputs. This will be done by working with all parties to balance social, environmental and economic objectives.

While the study of this issue is not yet complete, you can be assured that staff at the Ministry of Transportation will most carefully consider your comments and concerns.

[See News on pages 20 & 21.] Bob Rae, Premier of Ontario



\* NOTE: One of the alternatives passes between TFN's two properties! ▽

## KEEPING IN TOUCH (cont'd)

March 30, 1995

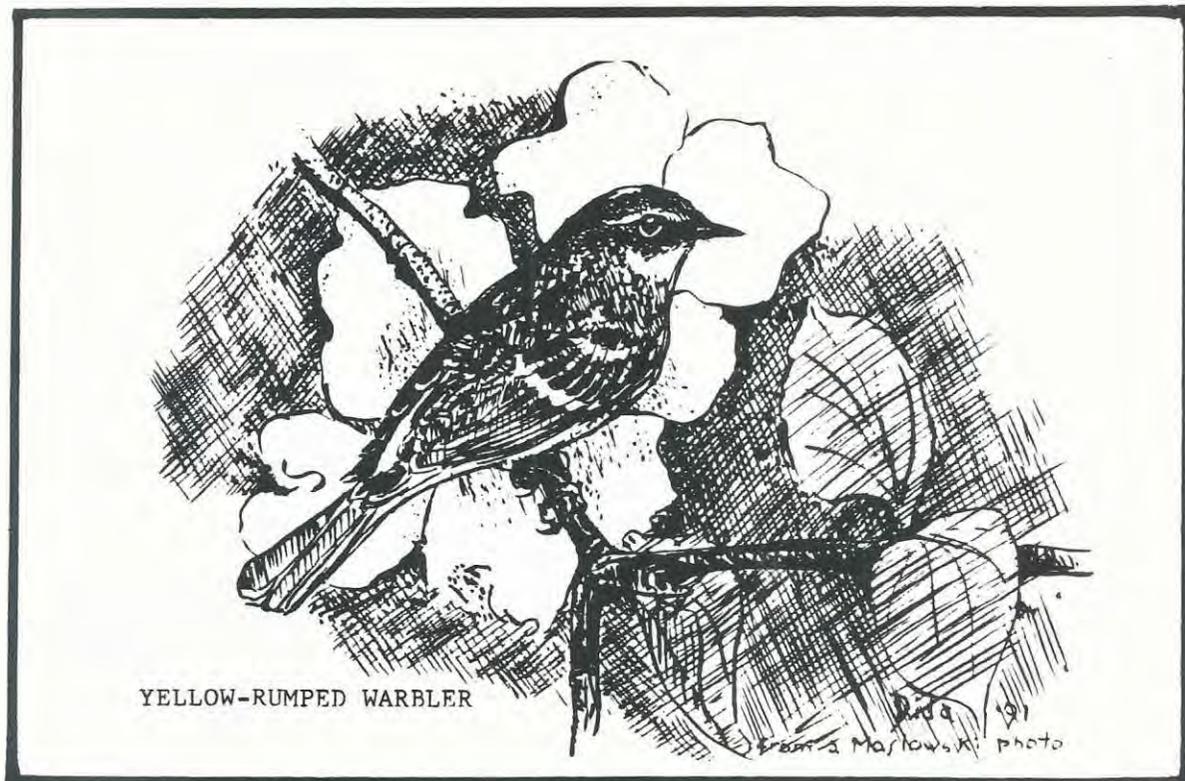
This letter is to advise you that the Ontario Government has expanded the opportunities for the use of conservation easements to protect land and wildlife.

Bill 175 was passed by the Legislature on December 1, 1995, and subsection 128(2) came into force on January 31, 1995. This subsection amends the Conservation Land Act to permit easements to be registered on title for conservation purposes, enabling charities and a broader range of government agencies to hold conservation easements. Before this amendment to the Act, only the Ontario Heritage Foundation was legally empowered to hold conservation easements.

Conservation easements are voluntary, long-term agreements between land-owners and conservation organizations to conserve and provide access on the land. This amendment is enabling legislation which allows qualified conservation bodies to develop easement programs and initiatives over time.

Conservation easements have been used extensively throughout the United States and the United Kingdom by private conservation organizations and government agencies. Over the last twenty years, numerous reports and organizations have recommended the expansion of legislative authority to hold conservation easements. This is now possible with the passage of Bill 175.

Howard Hampton, Minister  
Ont. Ministry of Natural Resources



FROM THE OUTINGS COMMITTEE

We hope you all have a happy summer and offer the following advice to help you enjoy your days out-of-doors.

- Please remember to dress properly. Wear a wide-brimmed sun hat. You may also want to bring sun glasses.
- Wear long-sleeved blouses or shirts. The sun is very strong during the day even when the sky is cloudy.
- Wear slacks -- not shorts. We often walk through poison ivy, nettles, thistles, etc.
- Wear sturdy footwear (not sandals -- see above).
- We urge you to bring water with you, even if you don't plan to be out all day. A little water along the way really does help prevent fatigue. (Remember, refreshment stands are rare sightings on our outings!)

The following members put together the outings program for the summer:

Nature Arts - Mary Cumming

Mid-week walks - Eva Davis  
Ann Millett

Weekends - Alexander Cappell  
Ken Cook  
Morris Sorensen

Evening rambles - Helen Juhola

Each leader is sent a report to be filled in about the outing. These are sent out by Eileen Mayo. Reports are later reviewed by Diana Banville and data used to prepare reports on the state of Metro's natural heritage.

See pages 25 to 38 for the names of all the people who agreed to lead outings.

For a detailed checklist to read before you go out, see page 24.

Members are reminded to bring a spare plastic bag for garbage. Remember - every bit removed is a plus for the long-suffering environment.

Anyone wanting to lead an outing should leave a message with your name and number at the TFN office (968-6255).

Helen Juhola

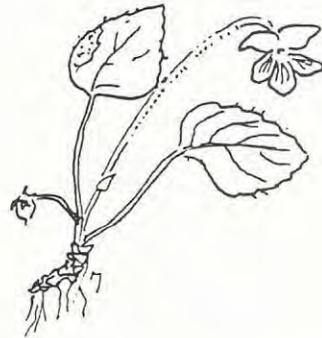
□

TORONTO NATIVE - RING-BILLED GULL  
...just about the most familiar  
as it sails through the canyons of  
Bay Street downtown and about our  
apartment towers. Sketch by  
Joanne Doucette.

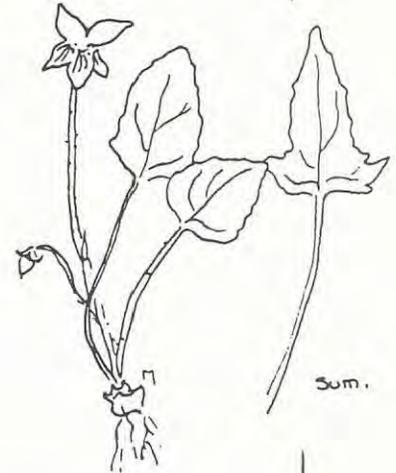




VIOLA SORORIA  
Common blue violet



VIOLA SEPTENTRIONALIS  
Northern blue violet



Sum.

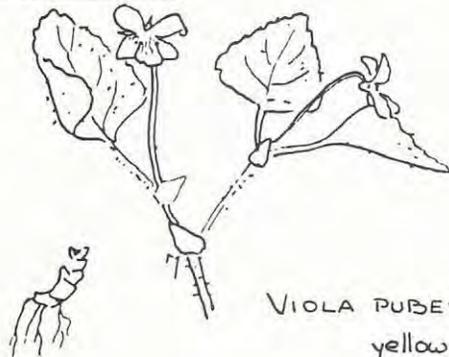
All blue violets have  
albino forms.



VIOLA ROSTRATA  
Long-spurred violet  
(blue)

SEVEN TORONTO  
NATIVE VIOLETS  
drawn by  
Mary Anne Miller  
(There are  
five others.)

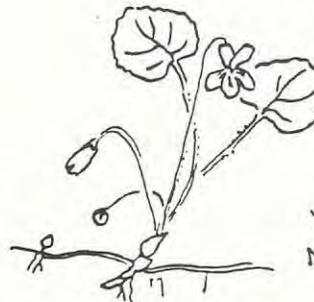
VIOLA SAGITTATA  
(FIMBRIATULA)  
Northern Downy (blue) or  
Arrow-leaved violet



VIOLA PUBESCENS  
yellow violet



VIOLA BLANDA  
Sweet white violet



VIOLA PALLENS  
Northern white violet

## THREE FUNGI TO BE AVOIDED

It used to be commonly understood that a mushroom was edible, a toadstool, definitely not. "Toadstool", however, has no scientific meaning and does not correspond to any botanical classification. Outside old-fashioned fairy stories, the word is rarely seen today, but the three mushrooms listed below would certainly qualify in the ancient sense as toadstools. It is not only the Amanitas which possess lethal members, and this trio, only one of which is strikingly noticeable by virtue of size, merit persevering identification and avoidance.

Deadly GalerinaGalerina autumnalis

Fruiting body: cap 1" - 2½" across, convex, viscid, dark brown when moist, tan when dry; gills attached, close, broad, yellowish-rust; scattered to abundant on rotting hardwood and conifer logs.

Stipe: thick, dry, brown, streaked with white fibrils, blackish base.

Flesh: thick, light brown, watery.

Odour: mealy, cucumbery.

Spore deposit: rust-brown.

Season: May to October.

Edibility: the common name says it all.

Clitocybe dealbata

Fruiting body: cap ½" - 1" across, convex to flat, depressed in centre with age, dull white, smooth; gills close, narrow, dull white, extend down stipe; single to numerous in lawns and grass and on leaves.

Stipe: smooth, dull white.

Flesh: thin, whitish.

Spore deposit: white.

Season: July to September.

Edibility: this small Clitocybe may be found amongst edible species and careful watch should be kept for it. Rated "Deadly Poisonous" in Orson Miller's "Mushrooms of North America".

Green-gilled LepiotaChlorophyllum molybdites

Fruiting body: cap 2" - 12" across, convex to nearly flat, dry, white with numerous cinnamon scales near centre; gills close, white, bruising tan, gray-green when mature; in fairy rings in lawns and pastures.

Stipe: white, brown stained and bulbous at base, thick white ring with fringed edge.

Flesh: thick, white, colouring reddish when bruised.

Spore deposit: a unique species, the only fungus with a pale green spore print.

Season: July to September.

Edibility: has caused some deaths, though some varieties appear to be less dangerous. Extremely poisonous. □

## TORONTO'S FIRST MAPLE-BEECH FOREST GARDEN

In Toronto, the usual effects of construction, biological contamination, and human neglect have reduced the natural forests to isolated remnants in ravines and parks. The Zoology Department at the University of Toronto is taking a step to reverse this trend by restoring, from the lawn up, a small representative example of one of Toronto's former major forest types - the maple-beech forest.

It is the first time such an experiment has been tried in Toronto. The effects of downtown air pollution are not fully known. In the past two centuries the levels of light and moisture have changed. Soils, diseases, pollinators are no longer identical to conditions of the distant past. Using the maple-beech forest as their model, the Zoology Department Landscape Committee is relying on information from early historical accounts, recent biological surveys from nearby wooded ravines and personal field observations.

The maple-beech forest garden is located at 110 St. George St., and will formally be open to the public in the summer of 1995. The already planted core of the forest/garden measures 15 metres by 15 metres and presently supports over 100 species of trees, shrubs, wildflowers, ferns, grasses, sedges and mosses as well as glacial boulders and decaying logs. It is expected that butterflies, other insects, birds and small mammals will migrate into the site this summer. [Tour this garden on May 16 -- page 26.]

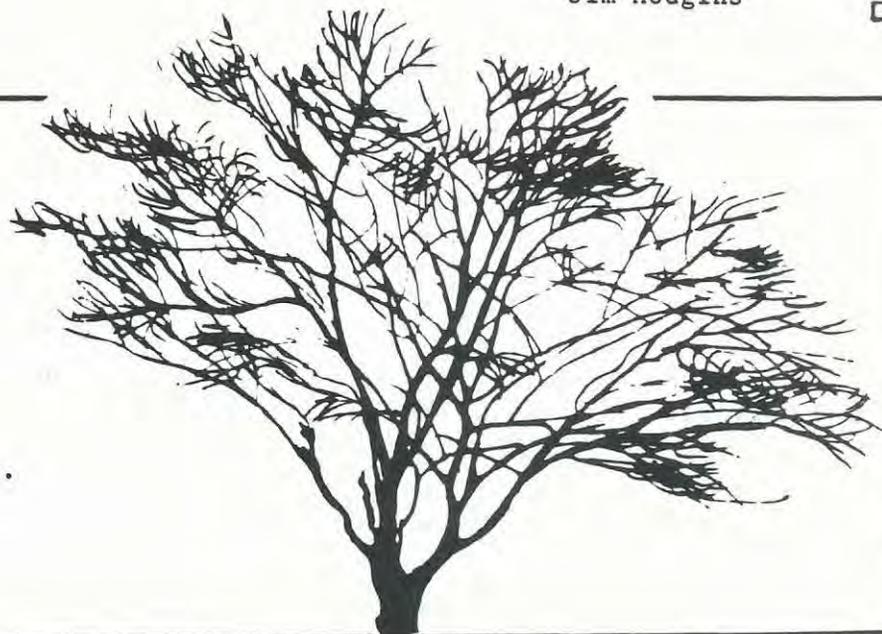
This is the fourth recreated bioregional garden on the St. George campus. The others are prairie-savannah, Carolinian forest and boreal forest. The project is a co-operative effort among the University's Departments of Zoology, Landscape Architecture and Facilities and Services, and the Canadian Wildflower Society and the Friends of Altona Forest and Petticoat Creek.

Jim Hodgins

□

JAPANESE MAPLE  
(*Acer palmatum*)  
flourishes as  
a cultivated  
shrub or small  
tree in Toronto.  
It is planted  
in several  
cemetery locations.

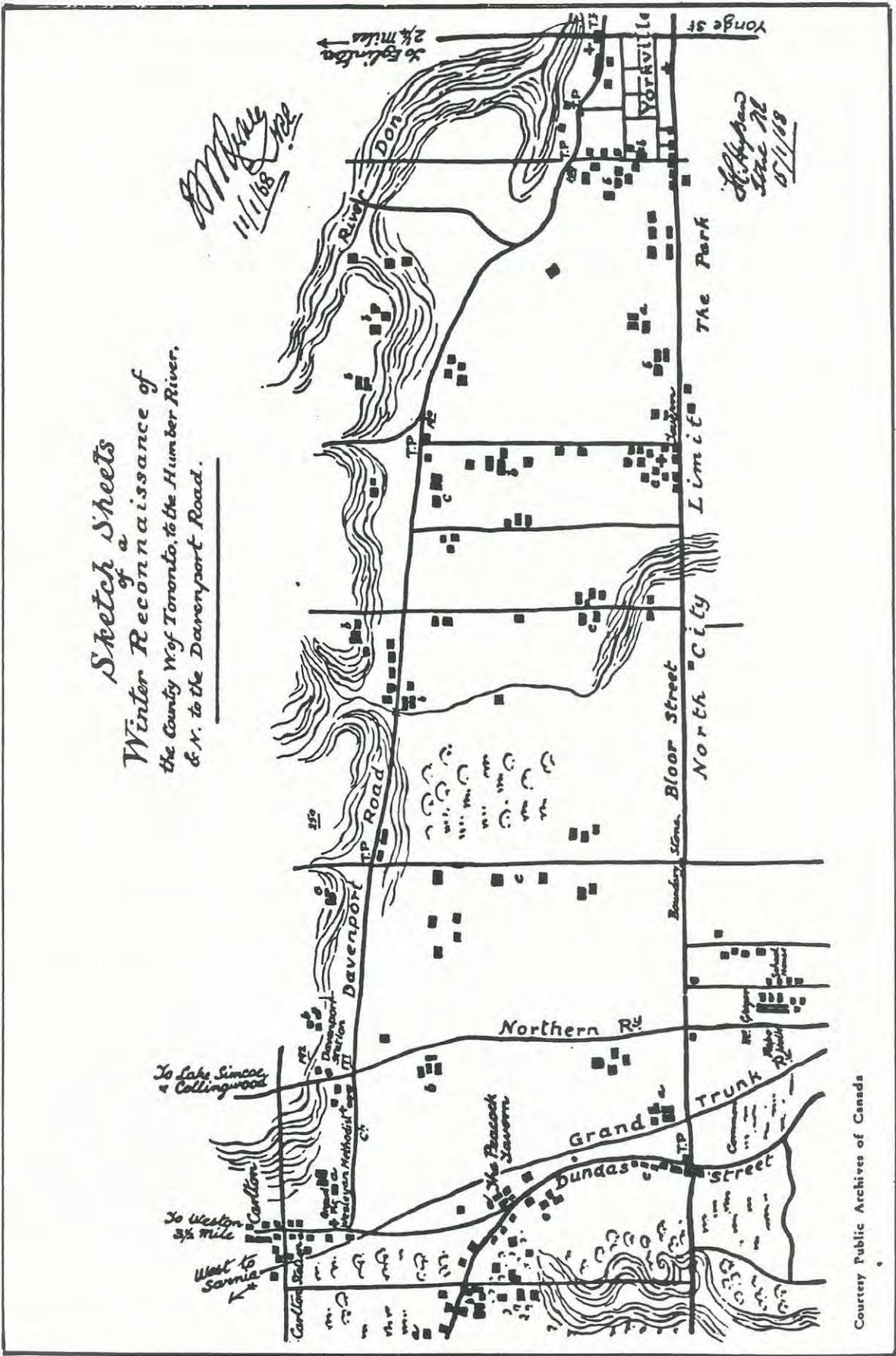
(Silhouette by  
Mary Smith)



*Sketch Sheets*  
*of a*  
*Winter Reconnaissance of*  
*the County W. of Toronto, to the Humber River,*  
*& N. to the Davenport Road.*

*J.M. Macleod*  
*11/1/1888*

*H. H. ...*  
*1888*



## DAVENPORT ROAD A PREHISTORIC TRAIL

Davenport Road is perhaps 18,000 to 16,000 years old, developed by aboriginal peoples along the foot of the escarpment when the Ice Ages ended to link the Humber and Don Rivers. It is the oldest trail/road known in the Toronto region, and its history includes the evolution of ancient peoples into the modern Indian nations whose trade routes developed across the entire continent and from northern Canada to the Gulf of Mexico. The Davenport Trail is their overland route between two of their "water highways", and in crossing the alluvial plain below the shoreline of the post-Ice Age Lake Iroquois, it led eventually through dense giant oak forests and pineries and crossed Garrison Creek, Taddle Creek, and Castle Frank Creek. At the point where a younger trail left Davenport, Castle Frank Creek dropped over the escarpment in the form of a waterfall, below which was a pond which was later to supply the Village of Yorkville with water. The younger trail called the Poplar Plains Trail or the Yonge Street Trail, led north in an irregular fashion to Lake Simcoe, and north of Lawrence Avenue it was incorporated into the building of Yonge Street.

Davenport Road, used for thousands of years before Contact, was also used during the two hundred years of Toronto's French history, by explorers, mapmakers, fur traders, and missionaries. And from the beginnings of the British Regime, the road was essential to the settling and clearing of the land and to the communities which sprang up along its length. Some of these communities date from 1792, and are among those out of which Metropolitan Toronto has grown. The oldest of these are: Farr's Mills (Weston) 1792, Cooper's Mills (Lambton Mills then Lambton) c1800, and Yorkville 1808. In later times, other communities sprang up, each with its own distinctive character until all the land was developed. To a great extent, today's neighbourhoods retain many of the characteristics which distinguished the original communities, in street plans and street names, and even in some remaining old buildings.

Before the big celebrations of Yonge Street (200 years old in 1996), it is only fitting that the oldest road in the region be appropriately marked and celebrated on Sunday, 28 May 1995. [See page 28 for two TFN outings along Davenport Road.]

Jane Beecroft, Community History Project

□

If we pull back and decrease or halt our assault on a given environment, nature can be unbelievably forgiving and resilient. We've seen it in the recovery of Lake Erie, increased vegetation around Sudbury and the return of fish to the Thames River in England. Even though we don't possess the ability to recreate the likes of what once existed, there are things we can do to stimulate the natural process of regeneration. First we must rein in our destructive activity and then provide conditions that might encourage the return and regrowth of life. We can liberate land and creeks from rubbish, concrete or asphalt. We must give the earth's restorative powers time to act.

extracted from "Environment" by David Suzuki in THE LONDON FREE PRESS, Dec. 31, 1994

## CHESTER SPRINGS MARSH WILL ATTRACT NEW WILDLIFE TO THE LOWER DON!

The Task Force to Bring Back the Don is about to begin the construction of Chester Springs Marsh, a new demonstration habitat wetland just south of the Bloor Street Viaduct. The 3-hectare Marsh is part of the Task Force's work to restore natural habitat in the Valley and bring back a clean, green, and accessible Don.

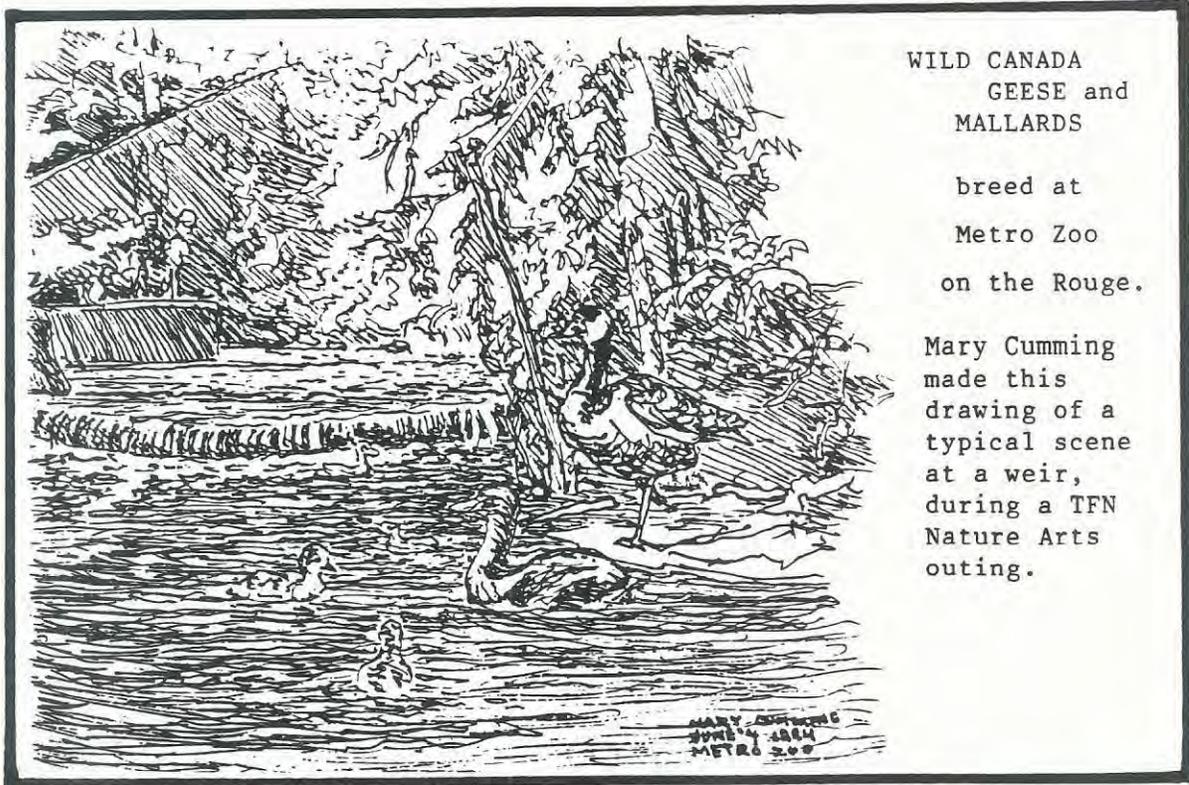
Target species for the Marsh include wood ducks, bull frogs, green frogs, leopard frogs, salamanders, and northern pike. In addition to restoring habitat, the project will provide an opportunity for Torontonians to learn about the history of the river, the importance of conserving and restoring wetlands, and above all, provide an example of what a community can do to help restore its environment.

Construction will begin in late May and will be overseen by the City of Toronto Department of Public Works and the Environment. The project is being funded by the Great Lakes Clean-Up Fund and the Canada/Ontario Infrastructure Works Program. Once construction starts, the heavy equipment involved will no doubt have an impact on the Valley. Every effort will be made to keep that impact to a minimum including measures such as using sediment control netting. It is expected that the resulting habitat will be well worth the temporary disturbance.

For more information on the Chester Springs Marsh Project, or about the Task Force to Bring Back the Don, call 392-0401. [See page 37 for Task Force outings.]

Elisabeth Brukmann

□



WILD CANADA  
GEESE and  
MALLARDS

breed at  
Metro Zoo  
on the Rouge.

Mary Cumming  
made this  
drawing of a  
typical scene  
at a weir,  
during a TFN  
Nature Arts  
outing.

## MEADOW RESTORATION IN THE DON

The Task Force to Bring Back the Don is working on a proposal to initiate the propagation and planting of local native wildflowers and grasses. Meadow restoration has been an ambiguous art with less attention given to it than to ecological reforestation or authentic prairie restoration. Sometimes it is taken less seriously. Often the "wildflower meadow" is simply planted according to the dictates of aesthetics and convenience, with little or no attention given to native species, local gene pools, or compatibility with historic or existing plant communities. At the extreme is the "meadow-in-a-can" approach: commercial seed mixes composed mostly of fast-growing exotic species such as California poppy that put on a good show.

It has not always been clear exactly what a meadow actually is. A meadow isn't a prairie; it has connotations of a more pastoral, civilized landscape. A savannah or prairie has tended to be a long-term community, usually on drier soils, that is maintained by fire. However, a consensus appears to be building that meadow ecosystems are essentially successional or transitional plant communities of non-woody plants that are usually replaced by woody vegetation if undisturbed. (Please refer to the "Prairies and Meadows" article on p. 17 of the April 1995 TFN Newsletter.) Henry Kock at the Guelph Arboretum draws our attention to the fact that meadows are actually part of the whole forest picture and are especially important for insect biodiversity. A meadow would thus consist of early-successional herbaceous plants with some admixture of woodland edge, prairie/savannah, and wetland species depending on local conditions. In Toronto, all of these communities can overlap. Thus a meadow can include virtually any non-woody plant that likes open, sunny conditions. However, the most abundant species are usually exotic pasture grasses and herbs such as smooth brome, fescues, red clover, white sweet clover, and Queen Anne's lace. Native composites such as Canada goldenrod, New England aster, and heath aster are co-dominants and make our meadows a spectacular sight in late summer and early fall. Along with the Old World pasture grasses, other invasive exotics such as dog-strangling vine, creeping thistle, and Japanese knotweed are common.

In the case of naturalization involving the establishment of meadow communities, the intent is often permanent maintenance; succession is to be arrested by occasional mowing or other means. (High populations of meadow voles which girdle any woody plant seedlings in winter can have a similar effect.) The motives for meadow plantings vary. People want varied natural landscapes and the beauty of wildflowers. Attracting butterflies is often a goal. Sometimes the interested party wants a naturalistic landscape that won't interfere with sight-lines for traffic or for security reasons, etc.

Meadow restoration if carefully and respectfully done thus involves an integration of human needs with natural processes that is appropriate for an urban landscape and which represents a vast improvement over conventional practices such as regular mowing, chemical turf maintenance, or hydro-seeding with exotic monocultures of

## MEADOW RESTORATION (cont'd)

crown vetch or reed canary grass. Meadow restoration is part of the movement to reconcile culture and nature as well as the result of recognizing the importance of successional plant communities. It can have an important role in insect biodiversity conservation; e.g. planting turtlehead in wet meadow sites could help the associated Baltimore checkerspot butterfly.

There have been a couple of problems with meadow restoration initiatives, problems which the Task Force to Bring Back the Don will be trying to address in its proposed project. First is the problem of competition by exotics. Most meadows in Toronto have a very low proportion of natives both in terms of cover and species proportions. In fact, virtually the only natives which are widespread in many meadows are Canada goldenrod and three species of aster. Attempts to plant seed or plugs of native plants into an existing meadow usually do not succeed. Dominance by exotics may be abetted by high levels of nitrate from automobile exhaust which over-fertilizes the soil. Some methods of weed control that apply to reforestation projects, such as tree shelters or weed mats, may not apply so easily to plantings of herbaceous species. Repeated tillage followed by seeding with natives, as done by the late Alexander Wilson on some sites along Black Creek in North York, has met with some success but is definitely labour-intensive and requires a high level of commitment from the proponent.

Secondly, appropriate seed and plant sources have generally not been available. Even where the "meadow-in-a-can" approach is avoided and native species are used, the seed is often from distant locations. For example, quantities of big bluestem seed may be brought in from Wisconsin instead of collected locally. Obviously, this does not address the issues of local adaptation or the conservation of local populations of rare species. There needs to be more identification of local seed sources and careful collection and propagation of these remnant plants: both for the woody plants and the non-woody, including *Carex* sedges as well as more obvious flora such as Turk's cap lily. The Task Force's proposal addresses both these issues by including seed collection, plant propagation, site preparation, planting, and maintenance/monitoring. How extensive a project will be undertaken depends on what funding is obtained.

*Seed collection* will be done mostly in the Don watershed but there will be some seed collected from adjacent watersheds and, where supplies are insufficient, from other parts of southern Ontario. A wide array of herbaceous plants from open and semi-open land will be targeted since the planting sites vary in moisture regime and other conditions. This seed will be stored and processed to overcome dormancy. ▷

Now that it's July  
 what blossoming tree is that?  
 Of course! Catalpa!

haiku by Diana Banville

## MEADOW RESTORATION (cont'd)

*Propagation* will involve starting the plants in greenhouses or out-of-doors. Plants will be grown in plugs to a relatively robust size; this is a good strategy when it isn't practical or desirable to get large quantities of seed. We can expect more adult plants per unit volume of seed.

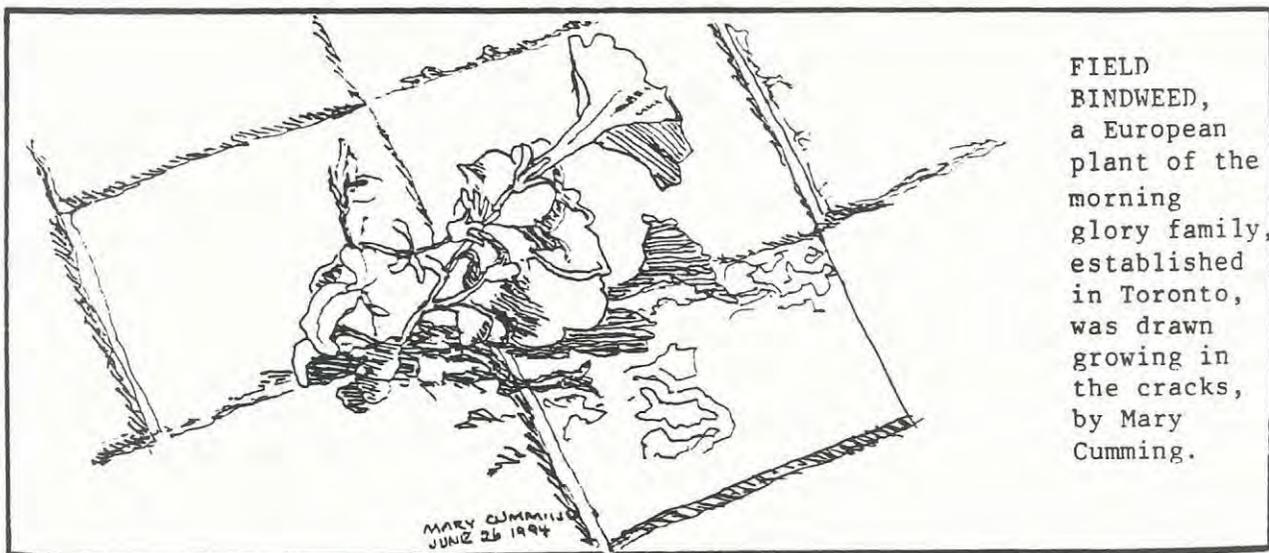
*Site preparation* is obviously important. Existing exotics must be suppressed enough that the planted natives can take a firm hold. A number of different methods are being considered, including covering the site to smother existing exotic vegetation before planting; tillage as done by Alex Wilson; and planting through slits in a plastic covering or weed mat of some form.

*Planting* is scheduled to begin in the fall of 1995 and continue with spring and fall events. Proposed planting areas include the City Adult Learning Centre grounds and Riverdale Park East (adjacent to the reforested areas). Locations along the Lower Don bike trail are also likely candidates. The sites should be maintained with occasional watering in case of drought during the first year and spot-pulling of serious weed problems. Monitoring should begin with an inventory prior to site preparation and continue with assessments of plant 'take' and meadow composition.

WE ARE LOOKING FOR POTENTIAL VOLUNTEERS TO HELP WITH THE PROJECT. People with botanical expertise are especially welcome to help with seed collecting. Other volunteers will be needed to help with growing the plants in the greenhouse and maintaining them outdoors over the summer until planting. We will also be looking for help in the monitoring program. If you are interested in this project, please call Gavin Miller at (416) 921-9305 or Jason Brown at (905) 294-2433.

Gavin Miller

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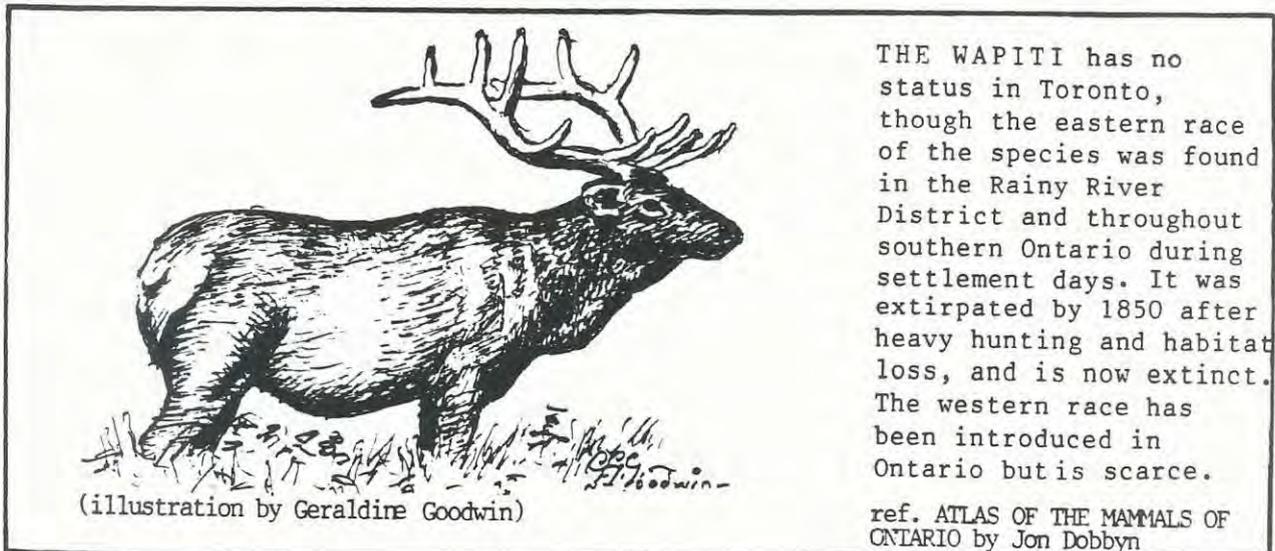


FIELD  
BINDWEED,  
a European  
plant of the  
morning  
glory family,  
established  
in Toronto,  
was drawn  
growing in  
the cracks,  
by Mary  
Cumming.

## THE WEATHER (THIS TIME LAST YEAR)

May 1994, Toronto

May was cool, somewhat wet, and otherwise unexceptional. It was the coolest since 1900, and downtown had the most rainfall since 1984 (rainfall was 90.4 mm downtown this year). Sunshine was only slightly below the average at 224.3 hours. Variable cloud cover on May 10th allowed for good viewing of the annular eclipse. A cool, partly cloudy pattern was broken on the Victoria Day weekend which saw readings in the high twenties under lots of sunshine. However, on May 26th a cold rain fell with some snow as far south as Algonquin Park: the result of evaporative cooling with precipitation falling into an already cool but originally very dry airmass. But it got pleasantly warm again the last few days of May.



THE WAPITI has no status in Toronto, though the eastern race of the species was found in the Rainy River District and throughout southern Ontario during settlement days. It was extirpated by 1850 after heavy hunting and habitat loss, and is now extinct. The western race has been introduced in Ontario but is scarce.

ref. ATLAS OF THE MAMMALS OF ONTARIO by Jon Dobbyn

June 1994, Toronto

It was warm, dry and sunny this June in Toronto. Downtown had the driest June since 1988 with only 33.6 mm of rain. The only significant rain fell on June 23rd, although Pearson recorded more ample falls at this time and again on June 29th from a thunderstorm. Temperatures were a degree to a degree and a half above normal, the highest since 1991. Sunshine hours were about 11 hours above normal and within 0.3 hours of the last three years' values.

The most outstanding feature of this month was the heat wave which began on June 15th and peaked on June 18th before yielding to a dry cold front. Pearson Airport, away from the lake, hit 36.2° C, its second highest June value on record. Northern Ontario had many records broken. Parts of south-central Ontario entered into an incipient drought.

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## THE WEATHER (cont'd)

## July 1994, Toronto

July 1994 brought mild drought conditions to mid-town Toronto and east along the northern Lake Ontario watershed, although much of the rest of the province was well-watered. Pearson Airport had over 80 mm of rain while downtown had 52.4 mm, the driest since 1989. Most of the rain fell in the latter part of the month, and remained mostly southward, eastward and westward.

It was a seasonably warm, humid month with average temperatures 0.5-1.0°C above normal. Muggy spells July 5th to 8th and 19th to 22nd were uncomfortable but nothing approached the mid-June heat wave for intensity. Sunshine was just 5.2 hours above normal.

THE RED OAK,  
a familiar Toronto native,  
has sharp-pointed lobes.  
The only tree which may be  
confused with it is the scarce  
black oak of High Park and  
Lambton Park, the latter having  
hairs in the axils of the leaf-  
veins. The white and bur oaks  
have rounded lobes.



Drawing by Joanne Doucette.

## August 1994, Toronto

It turned cool in August. Average temperatures were 0.8°C below normal both downtown and at Pearson Airport. It never reached 30°C, and Pearson's monthly maximum of 29.2°C reached on two days was the lowest on record (1964 and 1972: 29.4°C). It was particularly cool during the second and third weeks, but not record-breaking. Sunshine was very close to normal, and rainfall was generally somewhat short. Half of the 60-odd millimetres fell in a downpour on August 4th, which caused local flooding. This was the first rainfall over 20 mm downtown since May 26th. Although winds have been slightly above average at Pearson Airport this spring and summer, at Toronto Island they continued to be lighter than the long term average, as was the case every month beginning February 1991.

Gavin Miller

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## IN THE NEWS

### CROMBIE BURSTS BUBBLE FOR ROUGE SUPPORTERS

Dreams of a Rouge Valley wilderness area free of government meddling could be fading for the people who helped plan a park in the region. At a special meeting of Scarborough's administrative committee recently, David Crombie, the man appointed by the province to create a management plan for the 11,600 acre urban park -- North America's largest, said he sees the park as being run by a sub-committee of the Metro Toronto and Region Conservation Authority (MTRCA). That plan, however, has met with disapproval from environmentalists who say the MTRCA is beholden to Metro Council which has plans for sports fields in the 10,500 acre portion of the park located in northeast Scarborough. Save the Rouge Valley System (SRVS) wants the province to go with a non-profit, private board of directors, not the MTRCA.

extracted from an article by Stuart Green in THE SCARBOROUGH MIRROR, Feb. 15, 1995

### TOMMY THOMPSON PARK PLAN GETS OK FROM PROVINCE

After an arduous 10-year planning process, plans for Tommy Thompson Park have finally received provincial Cabinet approval. The 247-hectare park at the foot of Leslie Street, also known as the Leslie Street spit, will be home to a trail and bike path that will be part of the Waterfront Trail. Also due to be built in the next five years are a parking lot; a wetland; washrooms; and infrastructure such as sewers. Eventually an interpretive centre and an education centre will be built. The park will be used to educate people about nature and the environment. As well, the existing Aquatic Park Sailing Club will remain at the park. Plans for the park will take 15 years to complete, partly because some of the parkland doesn't exist yet. The park has been built since 1959--and is still being created--through the dumping of material dredged from the mouth of the Don River and construction site fill. A lot of public input went into the plans for the park and that will continue, the MTRCA says. Call the MTRCA at 416-661-6600, ext 243.

extracted from an article by Vanessa Ring in REAL ESTATE NEWS, Mar. 10, 1995

### ENVIRONMENTAL STUDY SET TO BEGIN FOR 404 EXTENSION

A full environmental assessment is about to begin for an extension of the Don Valley Parkway/Highway 404. The freeway is to be extended north and east to Highway 12 at Gamebridge, north of Beaverton. Sometime next fall, municipalities will be asked to approve the proposed route of the 404 extension through York and Durham Regions. Ministry officials said there is bound to be a lot of controversy in York, where most of the proposed route is located. The ministry plans to protect a 100-metre right-of-way along the entire 60-kilometre route of the four-lane expressway.

extracted from an article by Stan Josey in THE TORONTO STAR, Mar. 9, 1995

[See also pages 6 and 21.]

IN THE NEWS (cont'd)

### TAKE A HIKE, NON-STOP

From its opening on May 14, starting at Hamilton, David Crombie plans a five-week, 325-kilometre trek along Waterfront Trail, the world's largest urban park. The trail meanders through 22 municipalities, each with a distinctive waterfront and heritage, crosses more than 60 rivers, and will link 160 natural areas, such as wetlands and marshes, 126 parks and promenades, 67 marinas and yacht clubs, hundreds of historic places, and dozens of fairs, museums, art galleries and festivals. The continuous trail, extending from Trenton in the east to Hamilton in the west, has been 2 1/2 years in the making, at a cost of more than \$20 million from both public and private sources. Waterfront Trail will be much more than a stroll along the shoreline of Lake Ontario. It will serve as a catalyst, bringing together issues of ecology, economy and community. Integrating the three will take years. But a good start has been made to address the unique natural, historical, cultural and economic heritage of the trail by a network of people from the provincial government, municipalities, the Waterfront Regeneration Trust, corporations such as General Motors, Ford and Stelco, and community volunteer groups. Other issues that have been addressed and will continue to be are shoreline management and site remediation. (That's the cleanup of contaminated sites.) Another very important ingredient is tourism.

extracted from an article by Warren Gerard in THE TORONTO STAR, Feb. 23, 1995

### ENVIRONMENTAL GROUPS ATTACK PROPOSED HIGHWAY EXTENSION

The majority of northern York Region residents may commute south each morning, but not everybody favors another extension to Hwy. 404. A number of environmental groups are joining forces to fight the Ministry of Transportation over plans to extend the four-lane highway north to Georgina. The main problem is the ministry hasn't thoroughly established the need for expansion and hasn't considered the alternatives. The South Lake Simcoe Wilderness Coalition wants to see Woodbine Avenue upgraded to Keswick instead of the 404 extension. Environmental activists feel the new highway connections would destroy wetlands and historical landscapes. The groups would also want to see some form of rapid transit system which would eventually link up with Toronto public transportation options.

extracted from an article by Wayne Snider in THE ERA-BANNER, March 28, 1995

[See also pages 6 and 20.]

Mission Island Park.  
These wetlands are not wastelands,  
a wildlife refuge.

haiku by Helen Juhola  
June, 1990

### RIVER OF BIRDS SLOWS TO A TRICKLE

The "river of birds" that once migrated annually between Canada and countries far to the south is mysteriously drying up, scientists say. Canadian researchers are now applying the same kinds of genetic and chemical analyses used in highly publicized murder cases to discover where the birds are going. About three to five billion birds a year migrate from the south to summer in North America. They are actually tropical birds that migrate north to take advantage of the burst of food available in the north during the spring and summer. The birds comprise up to 70 per cent of the species that summer across Canada, from the southern woodlands to the sub-Arctic. But during the past few decades there has been a serious reduction in these migrant populations. The annual breeding-bird survey done by bird watchers in Canada has discovered that 44 of 62 migrating species have declined over the past 15 years. Migration surveys at Long Point, a peninsular provincial park in Ontario that juts into Lake Erie, and nearby Point Pelee, the southernmost tip of Canada, have found once-common species of thrushes, warblers and flycatchers declining by as much as 6 per cent a year over the past 25 years. Researchers know that a combination of population growth and deforestation of parts of the Caribbean and Central and South America, where many of the birds overwinter, is responsible for much of the decline. Birds living in these areas may not find enough food to give them the enormous energy needed to fly back north. Population pressure here is conspiring against some of these birds as well. The ovenbird, for instance, is named for the dome-shaped structure it builds as a nest. The nest is often on the forest floor, which is fine as long as there are few predators. However, suburban growth has brought homes closer to the forests. When the cat goes out for a walk, she won't pass up an ovenbird snack. Apart from the threats to migratory birds from the growing number of humans and the declining number of trees, commuting itself is a tiring and dangerous business. Nearly half of the adult birds die each year in the process of migrating and breeding.

extracted from an article by Wallace Immen in THE GLOBE AND MAIL, Mar. 4, 1995

### POLICE DOGS IN COURT

Los Angeles City Council agreed recently to pay \$3.6 million to 55 people mauled by overzealous police dogs. "If our dogs are eating these people, then, of course, that's going beyond the law," Councillor Nate Holden commented in voting to settle a class-action lawsuit. Canadian dogs--or courts--appear to be more restrained. One incident, however, in which a canine cadet allegedly chomped on a Metro parks worker who was eating his lunch at a picnic table near where the dogs were being trained, is before the courts.

extracted from THE GLOBE AND MAIL, Mar. 17, 1995

IN THE NEWS (cont'd)

### PLAN TO HUNT DOWN COYOTES AT AIRPORT ANGERS ACTIVISTS

A Toronto animal protection group is mad over a decision to hunt down coyotes at Pearson International Airport. Nathalie Karvonen, executive-director of the Toronto Wildlife Centre said repairs to fences would stop the problem caused by an estimated two dozen coyotes, some of which have recently wandered on to runways, forcing delays to planes and raising fears of a mishap. Eight coyotes have been shot at the airport in the past six months. A Pearson spokesperson said trapping and moving the animals, as was attempted three years ago with a herd of white-tailed deer, would be too difficult. At that time, airport officials shot dead two deer and were able to capture only three of some 25 white-tailed deer, which lived in a ravine on the airport's west side. They, too, had been considered a hazard to aircraft. Karvonen said her group doesn't want to risk public safety, it just thinks further efforts should be made to protect the animals and nature's balance. Eliminating the coyotes is likely to increase the deer population, she added.

adapted from an article by Daniel Girard in THE TORONTO STAR, Mar. 27, 1995

### SENSIBLE TIPS CAN STEM THE INVASION OF SUMMER BUGS

Bugs are necessary and you live with them. Blackflies start the last week of May and swarm around until the first two weeks of June, while mosquitoes dive-bomb humans and animals during June and July, while wasps, deerflies and horseflies peak in July and August. Insects have an incredible sense of smell, which is how they find you: They follow your carbon-dioxide vapour trail. The red mark that lingers after you're bitten is an allergic reaction; it's caused by the anti-clotting agents and saliva that the biting bug injects into humans to stop our blood from clotting. The best way to avoid bugs and bites is to cover yourself completely. That means from head to toe, with netting over your face, plus gloves, and long-sleeved shirts and long pants gathered at the wrists and ankles. You look like a real idiot but at least you don't get bitten.

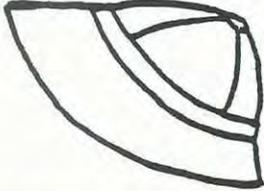
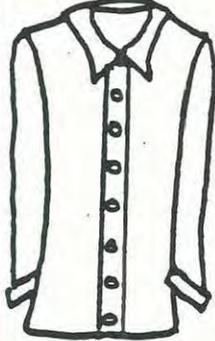
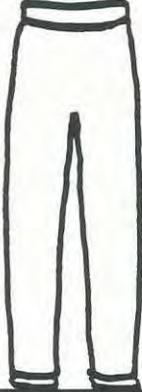
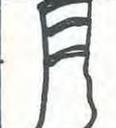
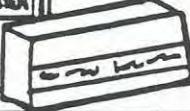
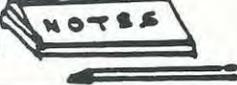
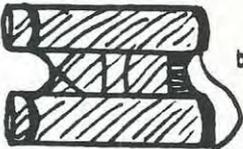
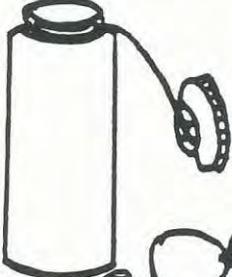
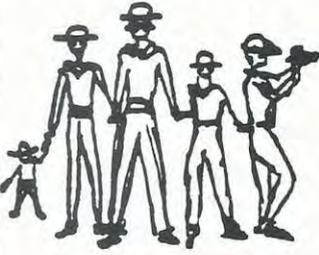
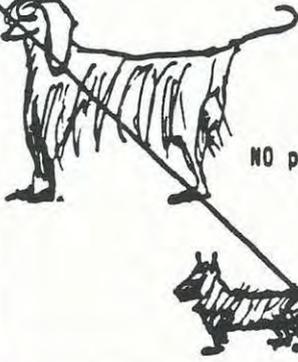
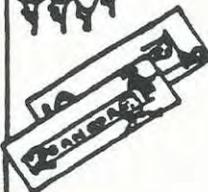
- Wear light-coloured clothes. Mosquitoes seem partial to dark earth tones, like greens and blues. Wear clothes with a tight weave, because mosquitoes can sting through lightweight cotton clothing.
- Don't wear perfume. This is easy to say but most shampoos, hairsprays, sun screens, soap and deodorant are scented.
- If you're going into the wilds, dress so the bugs can't bite.

adapted from an article by Wanita Bates in LONDON FREE PRESS, May 26, 1994

CONTRIBUTORS OF NEWSLETTER CLIPPLINGS THIS MONTH: Diana Banville, Shelley Bond, Sandy Cappell, Mary and Nancy Cumming, Karin Fawthrop, Mary Hunter, Eileen Mayo, Alen McCombie, Joan O'Donnell, Louise Orr, Jim Purnell, Carol Sellers, Grace Somers, Gloria Somerville, Marjory Tilley, Arthur Wade, Mel Whiteside.

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FOR ENJOYMENT OF OUTINGS

|   |   |   |
|---|---|---|
| <p>wide brim on hat<br/>for protection<br/>from sun</p>    | <p>long sleeves<br/>to protect<br/>you from:<br/>mosquitoes<br/>poison ivy<br/>thistles</p>                            | <p>slacks<br/>to protect<br/>you from:<br/>mosquitoes<br/>poison ivy<br/>thistles<br/>ticks</p>    |
| <p>long socks<br/>to help you<br/>avoid ticks</p>  <p>hiking boots<br/>or<br/>running shoes</p>    |  <p>rainwear</p>  | <p>sun glasses</p>  <p>sun screen</p>  <p>insect repellent</p>  |
| <p>free<br/>TTC RIDE GUIDE</p>  <p>Metro map</p>  <p>notebook &amp; pen</p>  | <p>camera</p>  <p>binoculars</p>  | <p>thermos<br/>or<br/>flask</p>  <p>snack</p>   |
| <p>Bring your family<br/>and/or friends</p>    | <p>NO pets</p>   | <p>keys</p>  <p>money</p>  <p>TTC fare</p>                 |

# TFN OUTINGS

- Tuesday  
May 2  
6:45 pm
- WEXFORD WOODS - evening ramble  
Leader: Morris Sorensen  
Meet at the southwest corner of Lawrence Ave. East and Pharmacy Ave. Waterproof footwear recommended.  
This is the first of a series of evening walks, possible because of the long days at this time of year. Part of this walk will be along a hydro corridor; the rest in a woodlot full of spring wildflowers. Scarborough
- Thursday  
May 4  
10:30 am
- DOWNSVIEW DELLS - nature walk  
Leader: George Bryant  
Meet on the northeast corner of Jane St. and Troutbrooke Dr. (between Wilson and Sheppard). Bring lunch.  
We will be entering the park from the south end and hope to see many spring flowers such as marsh marigolds and migrant birds. Waterproof footwear may be needed -- depending on the weather. Black Creek, North York
- Saturday  
May 6  
10 am
- DERRYDOWN PARK - nature walk  
Leader: Allan Greenbaum  
Meet at the park entrance on the south side of Finch Ave. West (between Keele and Jane). Bring lunch.  
This is a marvellous area to visit in spring when birds are abundant and wildflowers blooming. Black Creek, North York
- +
- Saturday  
May 6  
10:30 am
- MUIR GARDENS - nature arts  
Leader: Margaret Emminghaus  
Meet at the southeast corner of Yonge St. and Lawrence Ave. (entrance to the Locke Library). Bring lunch.  
Bring sketching materials and stool, or camera, or just come and enjoy the park in early spring. The park is located in the valley of Burke Brook. Don tributary, Toronto
- Sunday  
May 7  
2:30 pm
- TFN meeting [See page 2 for details.]  
73 Queen's Park Crescent East  
Northrop Frye Hall
- Monday  
May 8  
6:45 pm
- GLEN STEWART RAVINE - evening ramble  
Leader: Fred Bodsworth  
Meet at the parkette on Beech Ave. just south of Kingston Rd.  
This deep ravine which is located close to Lake Ontario is a great place to find migrating birds in spring. Toronto
- Wednesday  
May 10  
10 am
- HIGH PARK - birds  
Leader: Helen Smith  
Meet at the park entrance on the south side of Bloor St. West opposite High Park Ave. Lunch optional.  
According to the leader's records this should be a good day to see migrating warblers. Bring binoculars and notebook and be ready to listen! Toronto



IT'S TIME TO RENEW YOUR TFN MEMBERSHIP! WE HOPE YOU DO!

## MAY OUTINGS (cont'd)

- Friday  
May 12  
6:30 pm VANISHING LANDSCAPES & STREAMS - evening ramble Toronto  
Leader: Peter Hare  
Meet at the Heath St./Tichester Rd. exit of the St. Clair West subway station.  
This walk is part of the watershed week celebrations -- designed to make us more aware of the fact that we all live near a watershed.
- Saturday  
May 13  
10:30 am CENTENNIAL PARK - nature walk Etobicoke Creek, Etobicoke  
Leader: Richard Aaron  
Meet at the northeast corner of Rathburn Rd. and Elmcrest Rd. Bring lunch.  
This will be a long walk but the rewards will be worth it -- lots of spring wildflowers, birds, and perhaps emerging reptiles. Bring your notebook and pencil and your favourite wildflowers guide. Bring extra water to drink.
- +  
Saturday  
May 13  
10 am MIMICO CREEK - nature walk Mimico Creek, Etobicoke  
Leader: Ken Cook  
Meet at the southwest corner of Eglinton Ave. West and Martin Grove Rd. Bring lunch.  
This is the second in a series to explore this creek and its valley in Metro Toronto. The walk this time is on very level ground, but some side ravines may be explored in hopes of finding remnants of natural heritage.
- Sunday  
May 14  
11 am WILKET CREEK - nature photography Don tributary, North York  
Leaders: Morris Sorensen & Starr Whitmore  
Meet at the southwest corner of Lawrence Ave. East and Leslie St. Bring lunch.  
Bring camera and tripod (if you have one). We will be photographing spring wildflowers and learning the best ways to do this.
- +  
Sunday  
May 14  
1:30 pm HUMBER VALLEY - human & natural history Humber, York  
Leaders: Mary Lou Ashbourne & Marj Mossman  
Meet on the north side of Lawrence Ave. West at the bridge over the Humber, west of Weston Rd.  
This is another walk designed to help us appreciate our watersheds during watershed week. Learn how the valleys have been used during the past and what we are doing to them now.
- Tuesday  
May 16  
6:45 pm HABITAT RESTORATIONS - evening ramble Toronto  
Leader: Jim Hodgins  
Meet at the southwest corner of St. George St. and Harbord St. During this leisurely stroll through the west end of the University of Toronto campus we will be shown a restored maple/beech forest, a boreal forest, a Carolinian forest, and a prairie. [See story on page 11.]
- Wednesday  
May 17  
10:30 am EDWARDS GARDENS - nature arts Wilket Creek, North York  
Leader: Wilma Bell  
Meet at the cafe entrance in the park which is located on the south side of Lawrence Ave. East, west of Leslie St.  
Bring lunch, sketching materials and stool, or camera, or just come and enjoy the formal gardens or the wild valley south of the gardens.

## MAY OUTINGS (cont'd)

- Saturday  
May 20  
10 am  
to 5 pm  
PMCL bus
- TFN NATURE RESERVES - a day in the country northeast of Metro  
Leaders: TFN directors  
Call the TFN office (968-6255) and leave a message along with your name and telephone number if you plan to attend. Confirm by sending a cheque for \$10 (NOT post-dated), payable to the "Toronto Field Naturalists - bus trip" to the TFN at 20 College St., Unit 11, Toronto M5G 1K2.  
Bus leaves from the southeast corner of Yonge St. and Old York Mills Rd. (south exit of York Mills subway station) promptly at 10 am and returns there at 5 pm. No washrooms on bus but there are three outhouses at the reserve. Bring lunch and a couple of drinks. See checklist on page 24 for what to wear and bring.  
Our two nature reserves are very wild wetlands. To enjoy them properly you should dress properly as there is poison ivy and there may be mosquitoes. Spring flowers and birds and lots of mosses and ferns to identify, so bring your notebook and pencil and favourite field guide. We also recommend you purchase a copy of the "Guide to the TFN Nature Reserve".
- Monday  
May 22  
1:30 pm
- L'AMOREAUX PARK - nature walk Highland Creek, Scarborough  
Leader: Leslie Burns  
Meet at the northeast corner of Birchmount Rd. and Silver Springs Blvd. (one block north of Finch Ave. East).  
This large Scarborough Park is located at the source of Highland Creek. This is a fine time of year to visit the site and learn about its natural history.
- Tuesday  
May 23  
10:30 am
- EAST DON - nature walk East Don, North York  
Leader: Margaret Canning  
Meet at the northwest corner of Sheppard Ave. East and Leslie St. Bring lunch.  
This section of the east Don Valley contains an asphalt path which we can follow all the way to Cummer Avenue without leaving the valley and riverside. This former farmland is now becoming quite wild again with lots of interesting plants to observe and wetlands containing ducks, toads and turtles.
- Wednesday  
May 24  
6:45 pm
- MOATFIELD RAVINE - evening ramble East Don, North York  
Leader: Eileen Mayo  
Meet at the northeast corner of Leslie St. and Lesmill Rd. (just south of Hwy. 401).  
This ravine will take us from the Federation of Ontario Naturalists' headquarters into the East Don Valley where we will follow footpaths south to York Mills Rd. enjoying the birds and flowers, etc. along the way.
- Saturday  
May 27  
1:30 pm
- A 19TH CENTURY TORONTO ROAD - human & natural history Don, Toronto  
Leaders: Ian Wheall and Jeff Stinson  
Meet at the southeast corner of Winchester St. and Sumach St. We will be following one of Toronto's earliest roads through the Don Valley. Many changes have occurred in the valley during the past 200 years, and we will be looking for clues to some of the past uses.

MAY OUTINGS (cont'd)

Sunday DAVENPORT ROAD - human & natural history Toronto  
May 28 Leader: Ken Cook  
10 am Meet at the southeast corner of St. Clair Ave. West and  
Caledonia Pk. Rd. Morning only.  
This walk will be on and off the Lake Iroquois shoreline and Davenport Rd.  
(another of Toronto's oldest roads). [See story & map on pages 12 & 13.]  
+

Sunday DAVENPORT ROAD - human & natural history Toronto  
May 28 Leader: Alexander Cappell  
2 pm Meet at the northwest corner of Davenport Rd. and Bathurst St.  
This walk will also be on and off the Lake Iroquois shoreline and Davenport  
Rd. where we will be looking at the features that made this route so  
important since prehistoric times. [See map & story on pages 12 & 13.]

Wednesday WIGMORE RAVINE - nature walk East Don, North York  
May 31 Leader: Valerie Allen  
10:30 am Meet at the school on the west side of Sloane Ave. at  
Elvaston Dr. north of Eglinton Ave. East. Bring lunch.  
This section of the East Don Valley is part of the Charles Sauriol Nature  
Reserve and is quite wild. We will be following footpaths -- not asphalt  
trails.

THE GREEN-BACKED HERON  
is most likely to be seen in Toronto  
any time between May and September.  
It frequently nests here according  
to the TFN TORONTO REGION BIRD  
CHART, but the ATLAS OF THE  
BREEDING BIRDS OF ONTARIO shows  
its status as only "possible".  
Please report any fledged young  
or nests or obvious nesting  
activity of this species which  
you may observe. (The name  
"green heron" is given in some  
guides, the name used when it was  
considered a separate species  
from the South American and Old  
World form which, in the adult,  
has grey in place of the rufous  
colouring. There are intermediate  
colour-phases in Central America.)

Ref.: THE A.O.U. CHECKLIST OF  
NORTH AMERICAN BIRDS, sixth  
edition.

(drawing by Diana Banville  
from NSN photo)



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 JUNE OUTINGS

- Thursday  
 June 1  
 6:45 pm  
 WILKET CREEK SOURCE - evening ramble  
 Leader: Alexander Cappell  
 Meet at the northeast corner of Finch Ave. West and Grantbrook St.  
 Much of this walk will be on streets, looking for traces of the creek; the rest will be through a series of North York Parks which follow the route of the creek. Interesting trees along the route.
- Saturday  
 June 3  
 10:30 am  
 HIGH PARK - nature arts  
 Leader: John Eastwood  
 Meet at the entrance to the park on Bloor St. West opposite High Park Ave. Bring lunch.  
 Bring sketching materials and stool, or camera, or just come and enjoy the park. Participants on these outings usually meet for lunch at 12:30 and take time to look at and discuss each other's work.
- Sunday  
 June 4  
 10:30 am  
 GLENDON ARBORETUM - trees  
 Leader: Richard Aaron  
 Meet at the gates to Glendon College on the east side of Bayview Ave. at Lawrence Ave. East. Lunch optional.  
 First we will be visiting the grounds of the college to examine the collection of trees growing there, then we will have lunch (perhaps in the cafeteria). In the afternoon (weather and energy permitting), we will visit the Don Valley and follow one of the tributaries of the West Don (Burke Brook) to Yonge St.
- Wednesday  
 June 7  
 10 am  
 ferry  
 \$ tickets  
 TORONTO ISLANDS - nature walk  
 Leader: George Bryant  
 Meet at the ferry docks at the foot of Bay St. in time to take the 10 am ferry. Bring lunch and something to drink.  
 On this outing we will be looking at both birds and wildflowers. In the sandy soils of the island grow many unusual plants for our area. Bring your notebook and binoculars.
- Friday  
 June 9  
 6:45 pm  
 LAWRENCE RAVINE - evening ramble  
 Leader: Jerry Belan  
 Meet at the southeast corner of Yonge St. and Lawrence Ave.  
 This could be a long walk through a variety of habitats -- from formal gardens to maple/beech forest.
- Saturday  
 June 10  
 11 am  
 MIMICO CREEK - nature walk  
 Leader: Gavin Miller  
 Meet at the southeast corner of Martin Grove Rd. and Rathburn Rd. Bring lunch.  
 This is the third in a series of walks to explore Mimico Valley. This walk will take us through the former Corson Nut Tree farm (now called Echo Valley Park) where we will examine this aspect of heritage.

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HAVE YOU RENEWED YOUR MEMBERSHIP IN TFN? See page 39.

## JUNE OUTINGS (cont'd)

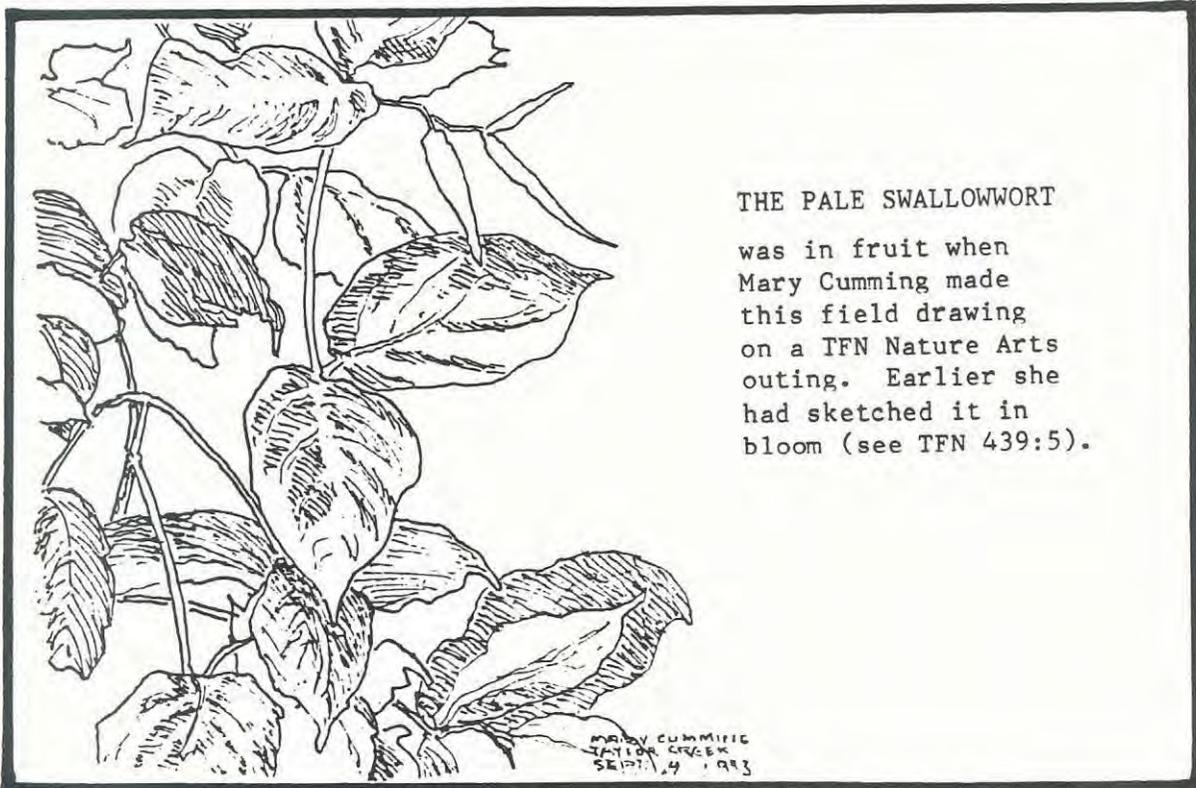
- Sunday FORKS OF THE DON - nature walk Don, East York  
 June 11 Leader: Dee Kramer  
 1:30 pm Meet at the corner of Overlea Blvd. and Thorncliffe Park Dr.  
 opposite Beth Nealson Dr.  
 This is a key area in the Don Valley system of parks, giving access to many  
 walks. Despite the presence of railways and roads, the area still contains  
 many wild areas of interest to naturalists.
- Wednesday OLD MILL - nature walk Humber, Etobicoke  
 June 14 Leader: Ann Millett  
 10:30 am Meet at the Old Mill subway station. Bring lunch.  
 This will be a long walk to Lambton Woods, but there is always much of  
 interest to see in this historic section of the Humber Valley. Bring notebooks  
 and binoculars.
- Thursday MT. PLEASANT CEMETERY - evening ramble Toronto  
 June 15 Leader: Sheila Van Landeghem  
 6:45 pm Meet at the cemetery entrance on Yonge St. north of St. Clair  
 Ave.  
 The cemetery contains a very fine collection of trees and shrubs. Most of them  
 are labelled. It is also a fine place to find birds.
- Saturday CHAPMAN VALLEY - nature walk Humber tributary, Etobicoke  
 June 17 Leader: Grant Hurlburt  
 10:30 am Meet at the southeast corner of Royal York Rd. and Weston Wood  
 Rd. Bring lunch.  
 This tributary of the Humber cuts through shale beds containing fossils.  
 Bring your notebook and pencil and binoculars and learn about Toronto's  
 ancient past.
- Tuesday METRO ZOO - nature arts Rouge, Scarborough  
 June 20 Leader: Alf Buchanan  
 10:30 am Meet at the zoo entrance on the west side of Meadowvale Rd.  
 north of Sheppard Ave. East. Lunch optional.  
 Bring sketching materials and stool, or your camera, or just come and enjoy  
 a day at the zoo. Members usually meet to eat lunch and compare their  
 works at 12:30 pm.
- Wednesday TORONTO ISLANDS - evening ramble Lakeshore, Toronto  
 June 21 Leaders: Morris Sorensen & Starr Whitmore  
 7 pm Meet at the ferry docks at the foot of Bay St. in time to take  
 the 7 pm ferry.  
 To celebrate the summer solstice you are encouraged to bring your camera and  
 a tripod as the purpose of this outing is to photograph the setting sun which  
 will be as late in the day as it gets in the year.

Haunting blue moonlight  
 casts aura round shadowed trees  
 in silent reverence.

Haiku by J. Kenneth Cook

## JUNE OUTINGS (cont'd)

- Saturday LIBERTY ST. RAILWAY - human & natural history Toronto  
 June 24 Leaders: Ian Wheall & Jeff Stinson  
 1:30 pm Meet at the southeast corner of King St. West and Dufferin St.  
 This former industrial area has much to interest both naturalists and historians.
- Sunday SCARBOROUGH BLUFFS - geology Lakeshore, Scarborough  
 June 25 Leader: Nick Eyles  
 10:30 am Meet on the south side of Kingston Rd. opposite Bellamy Rd. South.  
 Bring lunch and extra water; also wear long sleeves and slacks as we may be walking through poison ivy.  
 This is to be a walk to learn about the history of the bluffs and learn what is happening to them. We will begin at Sylvan Park and end at Bluffer's Park.
- Tuesday GARRISON CREEK - evening ramble Toronto  
 June 27 Leader: Jon Harstone  
 6:45 pm Meet at the Christie subway station.  
 On this walk we will be following the route of one of Toronto's lost creeks. We will find out about plans for the area's restoration as well as its history.
- Wednesday TAYLOR CREEK - nature walk Don tributary, East York  
 June 28 Leader: Carol Miller  
 11 am Meet at the southwest corner of Don Mills Rd. and Overlea Blvd.  
 Bring lunch.  
 There are many ways to reach Taylor Creek Park, a favourite place for viewing wild plants and birds.



## JULY OUTINGS

- Saturday  
July 1  
10:30 am
- MAPLE LEAF FOREVER PARK - nature arts Toronto  
Leader: Mary Taylor  
Meet at the silver maple on the west side of Laing St. south of Queen St. East. Bring lunch.  
Bring sketching materials and stool, or camera, or just come and enjoy. The tree is the one that inspired Alexander Muir to write the song "The Maple Leaf Forever". A small parkette has been created at the back of the property where the tree still grows.
- Monday  
July 3  
6:45 pm
- URBAN BACKYARD - evening ramble North York  
Leader: Tom Atkinson  
Meet at the southeast corner of Lawrence Ave. East and Leslie St.  
The leader has quite a large backyard where he grows trees and shrubs -- mostly native, but some southern species.
- Wednesday  
July 5  
11 am
- EGLINTON FLATS - nature walk Humber, York  
Leader: Nancy Fredenburg  
Meet at the northeast corner of Eglinton Ave. West and Jane St.  
Bring lunch.  
This large area of floodplain of the Humber River contains a golf course, playing fields and a fishing pond. The slopes of the valley provide habitat for many birds and plants and at the pond we may see waterfowl as well as basking turtles.
- Saturday  
July 8  
9 am
- SAM SMITH PARK - nature walk Lakeshore, Etobicoke  
Leader: Alfred Adamo  
Meet on the south side of Lake Shore Blvd. West at the foot of Kipling Ave. Bring lunch.  
This newly created lakefill park has become a favourite place for bird-watching. A recently created wetland where the original shoreline was is worth studying. Bring your binoculars, notebooks and field guides.
- +
- Saturday  
July 8  
11 am
- MIMICO CREEK - nature walk Mimico Creek, Etobicoke  
Leader: Alexander Cappell  
Meet at the southeast corner of Islington Ave. and Dundas St. West. Bring lunch.  
This is the 4th walk in a series to explore Mimico Creek. The walk begins at the historic Montgomery Inn and will end downriver at Royal York Road.
- Sunday  
July 9  
11:30 am
- LESLIE STREET SPIT - wildflowers Lakeshore, Toronto  
Leader: Brenda Blunt  
Meet at the foot of Leslie Street. Bring lunch and extra water.  
Creation of this landform began in 1959 with the dumping of construction debris into Lake Ontario and dredging of sand from the harbour. Plants and birds immediately invaded this new place. You will be impressed at how many plants found their way to the site without help from humans.

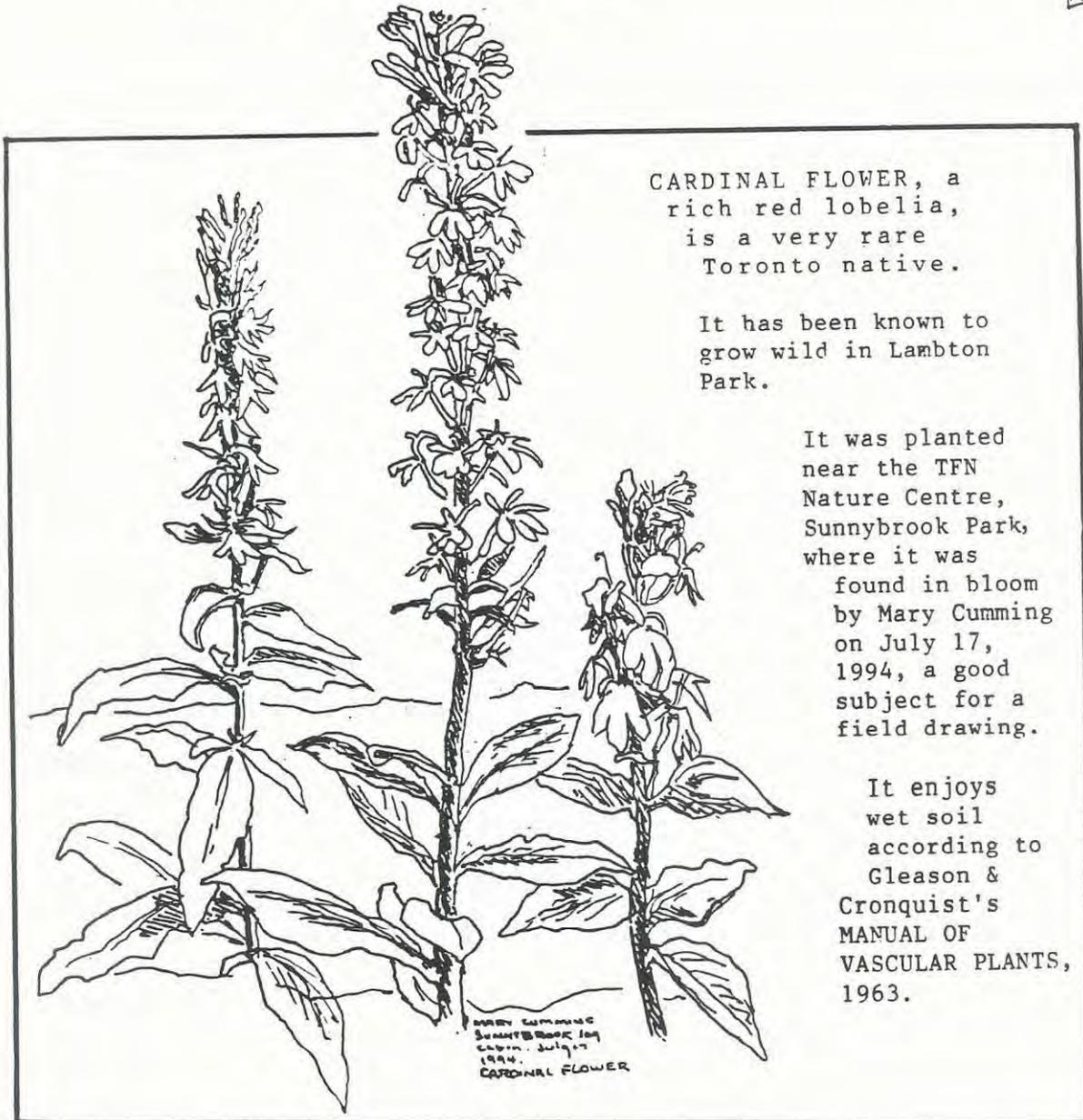
## JULY OUTINGS (cont'd)

- Tuesday  
July 11  
6:45 pm  
DON VALLEY BRICK WORKS - evening ramble  
Leader: Ed Freeman  
Meet at the corner of South Dr. and Glen Rd.  
We will walk into the Don Valley via Milkman's Rd. and visit the site of the former brickworks quarry and learn about the plans for its future as a park.  
Don, East York
- Wednesday  
July 12  
10:30 am  
EARL BALES PARK - nature walk  
Leader: Maureen Allain  
Meet at the park entrance on Bathurst St. south of Sheppard Ave. West. Bring lunch.  
This large park which was formerly a golf course contains many wild side ravines with interesting plants and animals to study.  
West Don, North York
- Saturday  
July 15  
2 pm  
CITY PARKS AND GARDENS - garden plants  
Leader: Peter Iveson  
Meet on the south side of Front St. West at John St.  
We will be visiting a number of City of Toronto parks and gardens to learn about the plants being used in these areas and why they are used.  
Toronto
- Wednesday  
July 19  
6:45 pm  
BABY POINT & SWANSEA - evening ramble  
Leader: Bill Munson  
Meet at the southwest corner of Jane St. and Dundas St. West.  
This walk will be on city streets and, surprisingly, will involve lots of stair-climbing as we explore these well-forested sections of Metro.  
Humber, York/Toronto
- Thursday  
July 20  
10:30 am  
TAYLOR CREEK - nature arts  
Leader: Diana Banville  
Meet at the Victoria Park subway station. Bring lunch.  
Bring sketching materials and stool, or your camera, or just come and enjoy a leisurely exploration of this charming valley. Members meet at 12:30 pm to eat lunch and look at each others work.  
Don tributary, East York
- Saturday  
July 22  
7 pm  
\$ entry fee  
ONTARIO PLACE - nature photography  
Leaders: Morris Sorensen & Starr Whitmore  
Meet at the Bathurst streetcar terminal in the exhibition grounds.  
Bring camera and tripod, if you have one. We will be trying to photograph the contrasts at the lakeshore -- of human impact on nature, reflections, etc.  
lakeshore, Toronto
- Sunday  
July 23  
10 am  
MORNINGSIDE PARK - birds & butterflies  
Leader: Carol Sellers  
Meet at the park entrance on Morningside Ave., north of Lawrence Ave. East. Bring lunch and binoculars.  
This is a very large park with lots of wild areas. We will be learning how to identify butterflies by their behaviour using only binoculars, much as we do with bird watching.  
Highland Creek, Scarborough
- Wednesday  
July 26  
10:30 am  
GLENDON CAMPUS - nature walk  
Leader: Molly Campbell  
Meet at the gates to Glendon on the east side of Bayview Ave. at Lawrence Ave. East. Bring lunch.  
This is an especially good place to study ferns. Bring your notebook and pencil and favourite guide to the ferns.  
West Don, North York

JULY OUTINGS (cont'd)

Thursday GREENSAVER ECOGARDEN - evening ramble Toronto  
July 27 Leader: Janet McKay  
6:45 pm Meet at the Broadview subway station.  
This is a recently established garden and contains some of the plants rescued from the Pollution Probe Ecology Garden on Madison Ave.

Sunday LITTLE ETOBICOKE CREEK - nature walk Etobicoke Cr. tributary,  
July 30 Leader: Ken Cook Etobicoke/Mississauga  
11 am Meet at the corner of The West Mall and Sherway Dr. Bring lunch.  
This walk will involve leaving Metro Toronto by crossing a historic bridge and following the creek along footpaths. It may involve some wading and scrambling and an enjoyment of exploring.



## AUGUST OUTINGS

- Wednesday August 2 10:30 am SAM SMITH PARK - nature walk Lakeshore, Etobicoke  
 Leader: Volunteer required (Call Ann Millett at 905-792-0844.)  
 Meet on the south side of Lake Shore Blvd. West at the foot of Kipling Ave. Bring Lunch.  
 This large park has been created by dumping construction debris and soil into the lake. Plants and animals are quick to invade any empty place. At the shoreline a wetland is being created.
- Friday August 4 6:45 pm CEDARVALE RAVINE - evening ramble Don tributary, Toronto  
 Leader: Phoebe Cleverley  
 Meet at the Heath/Tichester exit of the St. Clair West subway station.  
 This ravine has always been a popular place for naturalists to walk -- even though the subway now runs under it.
- Saturday August 5 10:30 am LAWRENCE RAVINE - nature arts Don tributary, Toronto  
 Leader: Lenore Patterson  
 Meet at the southeast corner of Yonge St. and Lawrence Ave., (entrance to Locke Library). Bring lunch.  
 Bring sketching materials and stool, or your camera, or just come and enjoy the outing. Members meet at 12:30 to eat lunch and discuss their art.
- Wednesday August 9 10 am DERRYDOWN PARK - birds & butterflies Black Cr., North York  
 Leader: Carol Sellers  
 Meet at the park entrance on the south side of Finch Ave. West, between Keele St. and Jane St. Bring lunch and binoculars.  
 This is a lovely wild ravine, except for an asphalt path. Footpaths lead to wilder areas where we should see lots of birds and butterflies using only our binoculars. Bring notebook and pencil too.
- Thursday August 10 6:45 pm BELTLINE - evening ramble Toronto  
 Leader: Nancy Fredenburg  
 Meet at the Eglinton West subway station.  
 We will follow the abandoned beltline railway route from its western end at the Allan Expressway to Yonge St. just south of Davisville subway station. Level walking all the way with the sun at our backs makes this a pleasant end to this summer's evening rambles.
- Saturday August 12 11 am MIMICO CREEK - nature walk Mimico Creek, Etobicoke  
 Leader: Robin Powell  
 Meet at the corner of Royal York Rd. and Leland Ave. Bring lunch.  
 This is the fifth and final walk in our explorations of Mimico Creek in Metro. Come prepared to wade in the creek, if necessary. We will follow the creek south, with some street walking necessary.

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IF YOU HAVEN'T RENEWED YOUR TFN MEMBERSHIP, IT'S NOT TOO LATE.  
 SEE RENEWAL FORM ON PAGE 39. **PAY NOW** AND YOU WILL  
 RECEIVE YOUR SEPTEMBER NEWSLETTER IN MID-AUGUST.

## AUGUST OUTINGS (cont'd)

- Sunday HUMBER MARSHES - birds Humber, Etobicoke/Toronto  
 August 13 Leader: Patrick Stephan-Scanlon  
 10:30 am Meet at the Humber loop (western terminus of Queen streetcar).  
 Bring lunch and binoculars.  
 The marshes run from the lakeshore to Bloor St. on both sides of the river  
 and provide habitat for many aquatic plants and animals.
- Tuesday CENTENARY HOSPITAL GROUNDS - nature arts Highland Cr., Scarborough  
 August 15 Leader: Mary Cumming  
 10:30 am Meet at the southeast corner of Ellesmere Rd. and Neilson Rd.  
 Bring lunch.  
 Bring sketching materials and stool, or camera, or just come and enjoy.  
 Members meet at 12:30 pm to eat lunch and compare "works".
- Saturday WEST DON - nature walk West Don, North York  
 August 19 Leader: Alexander Cappell  
 10 am Meet at the northwest corner of Sheppard Ave. West and  
 Senlac Rd. Bring lunch.  
 From this corner we can visit the west end of York Cemetery with its meadow  
 habitat, a deep side ravine, and the major valley of the West Don and its  
 extensive parkland.
- Sunday LESLIE STREET SPIT - birds lakeshore, Toronto  
 August 20 Leader: Don Burton  
 8:30 am & Meet at the foot of Leslie St. Bring lunch and something to  
 10:30 am drink.  
 For those who can get up really early, one hike is leaving at 8:30 am; the  
 leader will return to the starting point at 10:30 am to meet those who prefer  
 to start later. The fall migration is on so bring your binoculars and note-  
 books and favourite field guides.
- Wednesday WINDFIELD PARK - nature walk Wilket Creek, North York  
 August 23 Leader: Eileen Mayo  
 10:30 am Meet at the park entrance on the south side of York Mills Rd.  
 at Bayview Ave. Bring lunch.  
 Level walking most of the way in this ravine. The part that was formerly a  
 golf course is still lawns, but the woodlot at the south end is still very wild.
- Sunday THOMSON MEMORIAL PARK - insects Highland Cr., Scarborough  
 August 27 Leader: Merne Powers  
 1:30 pm Meet at the park entrance on the east side of Brimley Rd., north  
 of Lawrence Ave. East.  
 Bring binoculars and a jar so we can collect and release the insects we see.  
 Children will find this outing particularly interesting.
- Tuesday MT. PLEASANT CEMETERY - nature walk Toronto  
 August 29 Leader: Jo Croft  
 10:30 am Meet at the east end of the cemetery -- at the corner of  
 Bayview Ave. and Sutherland Dr. Bring lunch.  
 This cemetery has much of interest to naturalists -- birds, trees, shrubs,  
 and history.

## COMING EVENTS

Toronto Ornithological Club - Jim Baillie Memorial Bird Walk - aimed at the intermediate birder, but beginners are also welcome. Free.

- The First Wave - High Park - Sat. May 6 from 7:30 am to 12 noon with Bob Yukich. Meet in the parking area inside the Bloor St. entrance at High Park Ave.
  - Warblers and More - Lambton Woods - Sat. May 13 from 7:30 am to 12 noon with Don Burton. Meet in the parking lot at James Gardens (access from Edenbridge Dr.),
  - Peak Migration - Toronto Islands - Sat. May 20 from 7:45 am (all day) with Luc Fazio. Meet at the Toronto Islands ferry dock at the foot of Bay St. to catch the 8 am ferry to Hanlan's Point. Bring lunch.
  - Whimbrel and Late Migration - Col. Sam Smith Park - Sat. May 27 from 7 am to 12 noon with Norm Murr. Meet at the entrance to the Lakeshore Psychiatric Hospital on Lakeshore Blvd. West at Kipling Ave.
- THE NEXT JIM BAILLIE MEMORIAL BIRD WALK WILL TAKE PLACE IN SEPTEMBER.

Task Force to Bring Back the Don

- Paddle the Don - May 7 from 10 am to 1 pm. Bring canoes, paddles, and life preservers to Serena Gundy Park. Refreshments will be provided along the way and canoeists will be met at Harbourfront and transported back to their cars. For more information call 661-6600, ext. 334.
- Evening walk through the Lower Don - May 11 at 6 pm with David Stonehouse, Task Force Coordinator. Meet at the Broadview subway station. Will last approximately 2 hours. Call 392-0401 for more information.
- Cycle the Lower Don - May 15 at 5:45 pm. Meet at Harbour Square at the corner of Queen's Quay West and Bay St. (near the ferry docks). For more information call 392-0401.
- 10th Annual Don River Walk - May 27 at 12:30 pm. Meet at the Keating Channel (at the Don Roadway). Call 392-0401 for more information.
- Tour of Chester Springs Marsh - June 22 at 6:30 pm. Meet at the Riverdale Park footbridge. For information about more walks in this area call 392-0401.

Through the Garden Gate - Shades of the Humber - a tour of private gardens Sat. June 17 and Sun. June 18 from noon to 4 pm. Admission \$15 (for one day only). Tickets are available from the Civic Garden Centre, 777 Lawrence Ave. East or by calling 397-1340.

The Metropolitan Toronto and Region Conservation Authority

- Archaeological Field School - at the Boyd Conservation Field Centre - July 30 to Aug. 20 - for high school students; cost \$570.
  - Environmental Science Credit Course - Lake St. George Conservation Field Centre - Aug. 3 - 20, for high school students; cost \$390.
- For details call MTRCA (416)661-6600, extension 257

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COMING EVENTS (cont'd)

Residential Naturalists' Workshops at Queen's University Biological Station

- Harbingers of Spring - May 11 - 14
- Bog Ecology and Development - July 20 - 23
- Wetlands and Geology - July 27 - 30

Cost is \$160.50 payable to Queen's University. For more information call 613-359-5629 (FAX 613-359-6558) or write to Queen's Biological Station, Box 31, R.R. #1, Elgin, Ont. K0G 1E0.

Friends of the Don East York - May 14 at 1:30 pm - tree planting. Meet at the Victoria Park subway station. Call 467-7305 for more details.

Toronto Historical Board lectures and walks

- May 4 at 12 noon to 1 pm - Clay, Stone and Steel in Toronto Architecture with Ed Freeman at 205 Yonge St. A free lecture.
- May 7 at 1:30 pm from 205 Yonge St. Ed Freeman will lead a walk and talk about Clay, Stone and Steel in Toronto Architecture.

For information on other talks and tours call 392-6827.

Outings for beginning naturalists -

- May 13 at Wilket Creek - Trout Lilies and Trilliums (wildflower lore for the absolute beginner),
- June 10 at Wilket Creek - Land of the Green Giants - tree identification for beginners.

Registration: \$5 for each session. Contact Morris Sorensen at 755-6031 for more details and to register.

One day field excursions -

- May 3 - Forks of the Credit; cost: \$48.
- May 31 - Halton Forest; cost: \$48.
- June 28 - Holland Marsh; cost: \$48.

For more details on these and longer trips, contact George Bryant (Natural History Tours) at 223-6284.

Federation of Ontario Naturalists Nature Excursions

- So you want to be a birder - May 6; cost \$27.50.
- Birding the Toronto Islands - May 22; cost \$27.50

For further information about these and other trips, call the FON at 444-8419.

Deep into the City: the place of ravines in the life of Toronto - photos (old and new) of the Don, the Humber, Moore Park Ravine, Park Drive Ravine, Garrison Creek - at the Market Gallery starting June 10 until Oct. 15. Call 392-7604. Free.

□

Let no one say  
And say to you, "Shame"  
that all was beauty  
Until you came.

from a sign in a park in Southampton, Ontario; submitted by Kathleen Fall



# TORONTO FIELD NATURALISTS

20 College St., Suite 11  
Toronto, Ontario M5G 1K2

Publications Mail  
Registration No.  
6669

(416) 968-6255

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## TORONTO FIELD NATURALIST

Published eight times a year by the Toronto Field Naturalists, a charitable, non-profit organization, the aims of which are to stimulate public interest in natural history and to encourage the preservation of our natural heritage.

### OTHER PUBLICATIONS

|   |   |
|---|---|
| TORONTO FIELD NATURALISTS CLUB:<br>ITS HISTORY AND CONSTITUTION, 1965..... \$ 2.00  | INDEX OF TFN NEWSLETTERS (1938 to present) ..... \$ 10.00   |
| CHECKLIST OF PLANTS IN FOUR TORONTO PARKS:<br>WILKET CREEK, HIGH PARK, HUMBER VALLEY,<br>LAMBTON WOODS, 1972 ..... \$ 2.00  | TORONTO REGION BIRD CHART, 1983 ..... \$ 4.00   |
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|   | TORONTO ISLANDS: PLANT COMMUNITIES AND<br>NOTEWORTHY SPECIES, 1987 ..... \$ 4.00  |
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### MEMBERSHIP FEES (No G.S.T.)

\$30 FAMILY (2 adults - same address, children included)  
\$25 SINGLE, SENIOR FAMILY  
\$20 STUDENT, SENIOR SINGLE  
Tax receipts issued for donations

Membership fees and address changes should be sent to:  
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ISSN 0820-636X

