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(F. L. Beebe)

Wolf

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#### THE VICTORIA NATURALIST

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Vol.19, No.6

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#### OUR COVER

The distribution of mammals in British Columbia is of considerable interest to many of us who live here, and the presence of some animals and the absence of others certainly arouses our curiosity.

For instance, the wolf is indigenous to Vancouver Island, though it is a different sub-species to those on the mainland. But on the island we have no coyotes or native foxes. There are wolverines but no skunks; marmots, but no chipmunks or ground squirrels; mice and voles, but no moles; black bears, but no grizzlies; elk and deer, but no moose, mountain goat or sheep; (some goats were introduced in the Cowichan Lake area). We have the beaver, but no muskrat (these were also introduced). No rabbits or hares, bobcat, lynx or fisher, but we have raccoons, martens, mink and weasel. There are similar habitats on the island to those on the mainland where most of these animals are found.

Thinking maybe the geologists could help solve the problem, we went to Mr. Marrion, who informed us that in this part of the world the ice, having reached its most southern advance about 10,000 years ago, started to recede, and as a warmer climate slowly prevailed, the animals gradually made their way north.

At that time the ice was possibly about 3,000 feet thick, and this enormous weight caused the land masses to be depressed, and, as the weight lifted, the land rose again, and the sea with it. It is possible therefore that this mass of ice, with much glacial till on top, formed a bridge, joining the mainland to the islands, providing passage for living creatures including certain of the mammals.

This, of course, does not answer all our questions, but it does give us a reasonable hypothesis as to how the islands became populated, or repopulated, with some of the animals found on the mainland, as during the ice age, the islands must have been a mass of very thick ice, with no life present at all.

A.R.D.

## VICTORIA, B.C. DECEMBER 22nd, 1962

# <u>CHRISTMAS BIRD CENSUS</u> Seen within a fifteen mile diameter circle

	SPECIES:	A	В	C	<u>D</u>	E	F	2_	G	<u>H</u>	<u>I</u>	J	<u>K</u>	TOTAL
LOON,	Common			11		1	10		8	6		6	9	50
	Arctic			2			2		.5			204	50	263
			1	19			13			3		1	110	147
GREBE.	Red-necked	4		10			25		1	2		65	30	137
	Horned	4 10		51	4	51	133		245	62		18	100	668
	Eared			11		4	33		11	31		1	6	97
	Western		4	327		5	249		80	42		16	6	729
	Pied-billed	1 1	14	5		S				16				36
CORMOR	ANT, Double-crested	6	4	25	7	3	2			17		3	17	84
A Adv m	Brandt			10		1	15	.4					30	55
	Pelagic			11		31	131		139	29		4	2000	2345
HERON	Great Blue	tud socilar	4	27	3	2	1			1			14	53
SWAN,	Trumpeter		1											1
	Canada	14	39		18	1				50				122
,	Black Brant		o face				1							1
	White-fronted		1		edf of 1					3				5
DUCK,	Mallard	746	108	65	40	464	105		25	403	1242	39	47	3284
	Pintail			8						9	164	1	504 1	260
	Green-winged teal	56	21		46		9		18	68	83			301
	American Widgeon	1254	503	54	95	578	1008		129	298	1337	473	200	5929
	Shoveller	46	22	a partitati	3	13	92		4	37	5	4	50	276
	Redhead	10000001	all of tr			611-03								1
	Ring-necked	d and odd	101							125				226
	Canvasback	45	3	31	8	9								96
	Greater Scaup	18	20	343	96	118	1086		112	45	6	22	50	1916
	Lesser Scaup	noveln	47				133		2					182
	Common Golden e ye	4	12	40	9	12	90		43	7		31	30	278
	Barrow Goldeneye	2	12 ,	2	thick.									16
	Bufflehead	16	40	404	88	68	642		85	84	104	22	100	1653
	Old Squaw	1 37 31 8	dlw gen	76	antess.		69		9	12		33	50	249
	Harlequin			2		17	120		40	1			100	280
	White-winged Scoter	t of Bostal	2	141		12	89		39	17		35	40	375
	Surf Scoter	3	2	54		45	115		47	40		57	70	433
	Common Scoter						1							1
	Ruddy	2	12	236			9			15	23	9		306
MERGAN	SER, Hooded		2	1	4	3	19		1	27			70	134
	Common				ebwaleti					62				272
	Red-breasted				8	10	83		35	14			35	214
HAWK,	Sharp-shinned			1	shaelal						1	1		5
	Cooper	2		is Imake	1									3
	Red-tailed	1	1	1	2	1 3	2				2	1	2	12

### CHRISTMAS BIRD CENSUS - continued

SPECIES:	A	В	C	D	E	F	G	<u>H</u>	<u>I</u>		<u>K</u>	TOTAL
EAGLE, Bald			4	2	810		2 1	1			2	10
PEREGRINE FALCON			1								2	3
PIGEON HAWK			100							1		1
SPARROW HAWK								1				1
GROUSE, Blue		1 280										1
Ruffed		1										1
QUAIL, California	31	0.8	4	10	15	87	64	85	30	50		376
PHEASANT, Ring-necked	4			2		4	19	9	5	2		45
COOT, American	4	201	107	146		29	5	90	13		25	620
OYSTER-CATCHER, Black		201	10.	110	4	38	8				50	96
KILLDEER	12	11	14	3	1	12	9	125	65	6		258
PLOVER, Black-bellied	2. 2					43					4	47
SURFBIRD					2.5	33	1				4	38
TURNSTONE, Black			26		23	127	4				12	192
SNIPE, Common			1	1			1	2	6	6		17
WHIMBREL			4								2	2
YELLOWLEGS, Greater					THE REAL PROPERTY.	3	4		7		15	29
SANDPIPER, Rock						16						16
DUNLIN			19		HE Bath	127		1	5	30	69	251
DOWITCHER			19						3			3
SANDERLING						3						3
	1510	166	313	150	113	537	302	108	385	98	200	3882
GULL, Glaucous-winged	1510	166	313	190	1	1	3	1				11
Herring		5									70	70
California		3	040	i	12	253	71	4	40	100	35	761
Mew		3	242	1		20		2		4	1000	1027
MURRE, Common			1		3	12	4	1		12		33
GUILLEMOT, Pigeon			1		17	24	14	1		3	200	294
MURRELET, Marbled			35		CHOCK	5	10 37				180	185
Ancient					A						3	3
AUKLET, Rhinocerous						1						WORKATEL
OWL, Screech							1					2 00/011
Great Horned					- Stage						1	1
Short-eared				45	2	1	1				3	16
KINGFISHER, Belted	3	2	3	1	2						o-del top	2
FLICKER, Yellow-shafted	2		220.9		.9	44	52	21	17	13		225
Red-shafted	12	10	17	30			2	2	1			
WOODPECKER, Pileated	1 0						1	4			1	6 7
Hairy	2	3			1	3	9	2	1	1	•	22
Downy	2	3			1	,	9	2	00 10 -			1
SAPSUCKER, Yellow-bellied	1					5	83	15		15		126
SKYLARK				8		J	00	10		10		120

CHRISTMAS BIRD	CENSUS -	Conclusio	n				Maria Maria	nizitése i	- 1206		MARKEY,	
SPECIES:	A	В	C	D	E	F	G	<u>H</u>			K	TOTAL
JAY, Steller		2		4					were welle	sqa Ilno.	ly lbbu do	3
RAVEN, Common	9	21	2	5			6	6	51	2	4	106
CROW, North-western	451	208	38	318	4	64	48	29	550	6	40	1756
CHICKADEE, Chestnut-back	34	37	16	26	5	63	169	25	100	2	4	481
BUSHTIT, Common	28	3	11		The Second of th	26	97	50	30			245
NUTHATCH, Red-breasted	15	8	7	2	1	1	14	8	22	1	1	80
CREEPER, Brown	5	4	6			2	10	3				30
DIPPER		2										2
WREN, Winter	15	10	4		8	6	26	10	2	4		85
Bewick	9	6	8	1	15	12	22	12	8	5	2	100
Long-billed Marsh		na z							1			1
ROBIN,	122	47	1	255	215	219	218	179	2070	72		3398
THRUSH, Varied	27	6	6		1		34	5	12	6		97
Hermit	1					1		1				3
KINGLET, Golden-crowned	20	20	15	25	22	34	74	22	51	15	5	303
Ruby-crowned	3	20	4			8	11	8		3		37
WAXWING, Cedar							32					32
SHRIKE, North-western	1					1			-			2
STARLING	201	15		24	45	48	52		280	2	14	480
WARBLER, Audubon		10				3						3
SPARROW, house	1		3	15	8	138	45	5	5	15		235
MEADOWLARK, Western	-		16	10		20	18		1			55
BLACKBIRD, Red-winged			10				15		21	2		38
Brewer						15			2	75		92
							1					1
TANAGER, Western							1					1
GROSBEAK, Evening	14	9	1			29	36		2	1		92
FINCH, Purple	14	9	52		6	71	35	37	4	20		225
House	COF	136	826	100	250	186	1002	240	600	21	150	4136
PINE SISKIN	625	136	820	100	200			1	6			25
GOLDFINCH, American	3.0	3.0	4 =	18		2	37	2	10			147
CROSSBILL, Red	12	19	45	20	9	19	32	20	6	8		144
TOWHEE, Rufous-sided	14	16	11	9	3	10	2	20		the state of the		3
SPARROW, Savannah	1					1	1					3
JUNCO, Slate-coloured		1			30	108	273	180	87	63	30	1163
Oregon	31	220	113	28	30	100	4	100	7	6		19
SPARROW, White-crowned		1	1			3.0	21			10		92
Golden-crowned		10	6	24	9	12 15	10			4		44
Fox	1	6	5	1	2			20	34	17		205
Song	13		12		7	52	20 4103	2863	7504	1748	5348	44146
TOTAL, Individuals -	5508	2262	3990	1669	2280	6871						
AREA SPECIES, Totals -	<u>60</u>	63	69	46	47	80	74	69	46	60	55	

Total number of Birds - - 44,146

Total species - - - - 121

#### CHRISTMAS COUNT - continued

Eight additional species were seen in the area during the count period, but not on the count day, as follows:-Gadwell, Wood Duck, Golden Eagle, Ring-billed Gull, Bona-parte Gull, Band-tailed Pigeon, Western Bluebird, Orange-crowned Warbler.

#### CHRISTMAS COUNT - OBSERVERS AND DISTRICTS

- Area A: Mr. R. McKenzie-Grieve, Mr. & Mrs. W. Sendall,
  Mrs. M. Winstone, Mr. Freeman King, Mrs. M. Moyer,
  PROSPECT LAKE, FRANCIS PARK, HEALS RANGE.
- Area B: Mr. & Mrs. T. R. Briggs, Mr. & Mrs. J. Palmer,
  Miss J. Hannay, Miss L. Halsall,
  FLORENCE LAKE, LANGFORD LAKE, GOLDSTREAM PARK.
- Area C: Mr. D. Stirling, Miss N. Haas, ESQUIMALT LAGOON TO WITTY'S LAGOON.
- Area D: Mr. F. Beebe, Mr. R. Huckin, Mr. W. Adams, PORTAGE INLET, VIEW ROYAL, THETIS LAKE
- Area E: Mr. J.M. Barnett, Mr. J. Robinson,
  Rev. and Mrs. D. Sparling, Miss Bellefontaine,
  BEACON HILL PARK, GORGE.
- Area F: MR. G. A. Poynter, Mr. W. Reith, Mr. C. Pritchard, Mrs. E.G.Bousfield, Mrs. E. McKenzie, Miss M. C. Melburn, Mrs. J. R. Parris, CLOVER POINT TO CATTLE POINT.
- Area G: Mr. & Mrs. A.R. Davidson, Mrs. H.M.S. Bell, Dr. G.C. Carl, Mrs. P.M. Monckton, TEN MILE POINT, GORDON HEAD.
- Area H: Mr. R.Y. Edwards, Lt.Cmdr.I. MacPherson,
  Mr. A. Hockly, Mr. J.E.Underhill, Mr. M. Matheson.
  ROYAL OAK AVE., ELK LAKE.
- Area I: Miss E. Lemon, Mr. D. Hancock, Mr. F. Buffam,
  Mr. R. Barnes, Mr. C. Morgan.

  WILKINSON, BURNSIDE AND INTERURBAN.

  Continued -

- Area J: Mrs. R. Stirling, Mrs. B. Westerborg, CENTRAL SAANICH, ISLAND VIEW BEACH.
- Area K: Mr. C. J. Guiguet,
  WATERS FROM TRIAL ISLAND TO DISCOVERY ISLAND

#### JUNIORS PARTICIPATING:

Gerry Nelson, Shirley Martin, Lynn Bain, Dave Gray, Trevor Gibbons, Gail Moyer, Nancy Chapman.

#### SOME BIRD COUNT HIGHLIGHTS

Last season's possible bird count of 138 species (124 on count day, 14 additional seen during the week) may stand as a record for some time to come. This season's possible total was 130 if we include the cowbirds found on January 6 by Alan Poynter. Two species resident in the area, the horned lark and the mountain quail have not yet been recorded on our census.

The 14,000 drop in the number of individuals is due entirely to fewer starlings and robins. Starlings dropped by 10,000 while robins decreased by 4,000. Possibly mild weather and abundant food helped to prevent these two species from concentrating in our area, or perhaps a large roost was missed. Numbers of most other species remained fairly constant.

The taking of this Christmas bird census is becoming more popular every year. Nine counts were taken in British Columbia this year end, some of them for the first time. Here are some of the figures:

Victoria's count was 121 species and that of Vancouver 113. Penticton, which includes Naramata and Summerland got a record total of 72 species. Another count was taken lower down the Okanagan valley covering the area around Oliver, their number being 48, which included the rare white-headed woodpecker. Farther south still at Osoyoos, Richter Pass and Anarchist Mountain the group identified 39 species, amongst which were eight trumpeter swans and a canyon wren. Vernon and Kelowna bird watchers each found 65 species. A census was also taken for the first time on North and South Pender Islands. Here 48 species were seen.

On December 30th, David and Ruth Stirling, along with Raymond Barnes and Chris Morgan, travelled to Courtenay to participate in the Comox district Bird Census. In spite

of poor weather, as a strong gale was blowing at the time accompanied by frequent rain showers, they identified 76 species, and a total of 11,357 birds, the highlight being a flock of approximately two thousand dunlin concentrated in a flooded field, and the sighting of eleven bald eagles.

We also received the Edmonton count, their total of 29 species being considered very satisfactory for that area.

Toronto has a well established society, as they had 123 observers in the field, covering 28 routes, which produced 76 species.

Vancouver also undertook a bird count at Ladner, but no figures have been received to date.

David Stirling and A. R. Davidson.

# THE CHRISTMAS BIRD COUNT BEACON HILL & GORGE AREA

by J.M. Barnett

You don't have to go into the woods and fields in the suburbs to see a variety of birds, as witness our total of forty-seven species in the heart of the city.

This year we did not add any unusual species to the list, but a herring gull in the park was a welcome sight.

Any large movement of a species into the Victoria area is generally to be noted in the park, and this year it involved siskins. The Rev. and Mrs. Sparling, with Miss Bellefontaine, who is on a visit here from England, counted 250 of these birds in their area. (The total for the count area was 4136.)

The waterfront is always an interesting spot for birds, and this year we were fortunate in having the assistance of Mr. J. Robinson, who is a new member from Montreal. His 25 power Scope was a great help in identifying some of the birds out on the water.

Our best spot for these birds was a little bay east

of the V.M.D., where we saw gulls, scoters, baldpates, grebes, guillemots and a small flock of seventeen murrelets.

We were unfortunate in not getting the wood duck and the Townsend warbler, both of which had been seen by Mr. Robinson two days earlier.

It is always a tired but happy group of people who get together at the home of the Poynters in the evening to hear the results.

The job of entertaining and feeding forty-two bird watchers means a great deal of hard work, and we would be remiss if we did not join with all those present in thanking Alan and Helen for being such charming hosts and bringing this auspicious day to such a wonderful end.

#### A NATURAL HISTORY ASSOCIATION

In December a meeting was held in Vancouver to discuss the formation of an Association of British Columbia Natural History Societies, which was represented by delegates from Vancouver, Kelowan, Vernon, and Victoria.

On February 23rd another meeting will be held in Victoria to form this association, appoint an executive, and draw up a constitution, and delegates will be present from Kelowna, Vernon, Penticton, Duncan and Vancouver.

We would be most grateful if our members could see their way to putting up a delegate. Would those willing please get in touch with Mrs. Gladys Soulsby at 2150 Granite Street, Telephone EV.6-5028.

\*\*\*\* \* \*\*\*

#### NOTE TO A CONTRIBUTOR:

We have an unsigned article submitted. Would appreciate if the writer would identify himself to the editor, but, if he so wishes, his anonymity will be respected.

\*\*\*\* \* \*\*\*\*

### NOTES ON MORTALITY AMONGST BIRDS

by Adrian Paul, Kleena Kleene

Species such as grouse and ducks, which raise quite large families, are decimated by various predators.

It seems likely that the swallows worst enemy is a sudden absence or serious scarcity of flying insects.

How about loons? They appear not to seek safety in numbers, and there is reason to think that even eagles leave them alone. Last winter a common loon was washed up on the beach where I lived. There was no obvious cause of death. It is significant that they lay only two eggs. There was also a red-necked grebe washed ashore. When it first arrived it was still alive, but was allowing the wavelets to bump it against the sloping beach. In a couple of hours it was dead. Again there was no apparent cause.

For birds of prey (apart from the smaller being sometimes eaten by the larger) it seems fairly clear that the chief "enemy", not counting man, is starvation. As evidence of this, a neighbour told me he is convinced as a result of his own observations that pygmy owls die of starvation in winter, and I recently picked up a dead one myself. Some years ago, while skiing I came across a dead owl which had obviously fallen off a branch where it had been sitting. One May or June I saw a hawk hanging head down, each talon grasping a branch. It appeared to have been there for some time, and as it was only about five feet from the ground it seemed likely it had grabbed the branch while falling from a higher perch.

Cold weather would no doubt contribute to the death of these birds, but it is significant that Brewer blackbirds for instance, which normally go south in the fall in this area, sometimes stay all winter in the vicinity of their summer breeding grounds at a spot such as a barnyard, where food is available, and I knew of one instance where a junco, which had apparently been left behind during migration, survived the winter, with its sub-zero weather, by visiting a neighbour's feeding table.

The marvellous little chickadees, which make a go of it at forty to fifty below, have the advantage of being omnivorous, and probably spend the nights in small parties in a woodpecker cavity. One observer has expressed the opinion that chickadees are sometimes killed and eaten by shrikes.

# THE GEOLOGY OF OUR WATERFRONT by A. H. Marrion

Article No.5. Dallas Road: Horseshoe Bay to Cook St.

A dirt path runs down to the beach from the "Lookout" building. The rock exposure has streaks and masses of white, hard siliceous intrusive rock. This is much more resistant than the main body of rock, so that its surface is quite smooth, while the darker rock is rough and eroded more deeply.

An outcrop of granodiorite (Article 1) is very noticeably fractured into small pieces, more so than the darker invaded Wark gneiss, with the result that the ice developed a fairly large basin in the former. A large boulder of the darker rock is wedged in an east-west widened crack in the rocks. A more solid mass of granodiorite rounds the depression to the west and south, so that the surface is well rounded and smoothed.

The steep sides of the rock on each side of the bay dip into deep water. After the ice finished its work of rock erosion, its next step was to fill the gaps between with glacial debris, and then, with the land uplift, the sea waves concentrated their strength between the rocks to wash out the material.

Rock erosion, accelerated by the fractured rock surface, is noticeable on the point. At the top of the bank of gravelly till is a white granite boulder, while another lies at the base. Much broken shell matter - oyster, cockle, clam, etc. appear to come from the till. This was possibly thrown up into the surface vegetation by wave and wind.

One might ask "whence came the accumulation of boulders in a rock basin at this point?" On a newly exposed surface of blackish rock are some well preserved ice scratches, etc. Further east is another collection of four boulders; two granite, one sandstone with erosion cavities, and one peculiar blackish rock with a blackish mica shining out as the light strikes it from different angles.

About 300 feet east of Finlayson Point the high bank consists of sandy till with many cobble stones, with here and there a larger boulder. The upper part is again covered with a brownish clay about eight feet deep. Nearer the steps the clay is capped with two feet of sand (now black soil), while at the base is a large white boulder.

Eastwards of the steps blasted rock fragments have been dumped over the bank to stop erosion. The banded structure

of the pieces identifies them as Colquitz gneiss (article 1). At this point beach boulders are more numerous. Why? From Finlayson Point east the Wark gneiss disappears, and the Vancouver volcanics become the surface rock.

#### HUMPBACK WHALE

On New Year's day a humpback whale was seen in the waters off Uplands Park. It was first sighted by J. Brenton a few minutes after 4 p.m. and was under observation by Miss Brenton and M. C. Melburn for approximately thirty-five minutes. During that time it broke water repeatedly and in the intervals the area was marked by almost constant turbulence. At times the animal ploughed along for many yards just below the surface.

The location was about one hundred yards off shore directly East of the Oak Bay Memorial. A report was at once 'phoned in to Dr. G. C. Carl who later received another report from Mark Guiguet who had seen the whale about noon the same day and in the same area.

For a description of this species of whale see pages 268-269 in Museum Handbook #11 "The Mammals of British Columbia".

M.C.M.

#### TRUMPETER SWANS

by M. Winstanley

The morning of the 8th of January will be remembered by a group of bird watchers of the Victoria Natural History Society.

Word had been passed around that some trumpeter swans were feeding in the fields between Martindale and Dooley Roads.

Leaving the cars on Dooley Road we walked down Lochside and got near enough to watch these rare and handsome water-fowl without disturbing them, which we were able to do with the aid of our binoculars.

There were eight of them, six adults and two immatures, and they were quietly resting and feeding on the grass. Later we saw them walk forward and stretch their huge wings. One appeared to be lame, which made us wonder if this one injured bird had delayed the rest of the flock

on their journey further south.

This was a sight not often seen in Victoria, and as there are only about fifteen hundred of these trumpeters in the world, we considered ourselves very lucky indeed.

#### JUNIOR JOTTINGS

by Freeman King

A little frost, snow and rain adds an interest to the field trips for the hardy juniors.

Our expedition to Goldstream Camp Site was well worth the effort. Many kinds of mosses, fungi, trees and shrubs were found. After the ramble we held a camp-fire and finished up with a marshmallow roast.

The trip to start the junior branch at Duncan was a great success, there being 48 boys and girls who turned out for the occasion. Five of our leader group went along, Gail Moyer, Dave Gray, Nancy Chapman, Shirley Martin and Gerry Nelson, each of whom took some of the instruction periods. We hope to go up to Duncan again.

Our latest trip out to Beaver Lake was more than exciting, when a swan was found marooned on the ice. Some of the leader group stayed on the rescue job till dark.

I would like to congratulate the four leaders who were the guest speakers at the January general meeting of the Society. It was the first time any of them had had this experience. They got across the message of the Francis Park and the Nature House by way of a different approach.

The leader section have manned the Nature House each Sunday and are now working with their groups for the forthcoming Exhibition on February 8th.

#### NOTICE OF MEETINGS

1963

Friday, Feb.8th:

The Junior Branch will hold an exhibit of specimens of many subjects at 7:30 p.m. in the Douglas Building Cafeteria on Elliot St. Dr. David B. Turner, Deputy Minister of the Department of Recreation and Conservation, has kindly consented to open the "SHOW".

Sunday, Feb. 10th:

BOTANY GROUP FIELD MEETING: Owing to the postponement of the trip scheduled for January 13th, this ramble for the purpose of identifying trees and shrubs in winter, will be held on this date. Cars will meet at the Monterey parking lot at Hillside & Douglas Streets at 1:30 p.m.

Tuesday, Feb.12th: GENERAL MEETING: At the Douglas Building Cafeteria at 8 p.m.

Mr. R. York Edwards, biologist of the Provincial Parks Branch will speak on "Naturalists are Lucky", and show a film entitled "Quetico".

Mr. Edwards is well known; we look forward to a full turnout.

Saturday, Feb. 23rd:

BIRD FIELD TRIP: To Mount Douglas Park.

Meet at the Monterey parking lot at 9:30 a.m.,
or at the Park at 10 a.m. Bring lunch.

Leader: Mr. T. R. Briggs.

Tuesday, Feb. 26th: BOTANY GROUP: The botany group will meet at the Provincial Museum at 8 p.m.

The speaker will be Mr. George A. Hardy, well-known retired botanist from the Provincial Museum. Mr. Hardy's talk, to be illustrated, will be "WILD FLOWERS AS THEY GROW".

The Juniors will meet each Saturday at the Monterey parking lot at 1:30 p.m., for field trips.

Leader: Mr. Freeman King.

Anyone who would like to join these trips is very welcome.

### **VICTORIA NATURAL HISTORY SOCIETY**

OFFICERS, 1962-63

#### Honorary Presidents

HON. EARLE C. WESTWOOD
Minister of Recreation and Conservation

MR. J. W. EASTHAM
Former Provincial Plant Pathologist

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