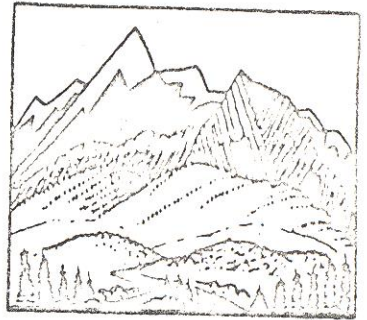


FEDERATION OF ALBERTA NATURALISTS



NEWSLETTER

Volume 1, No. 2., pp. 16-30.  
March, April and May 1971

Editor: M.T. Myres

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The Federation of Alberta Naturalists, 2103 Crocus Road, N.W., Calgary 48.

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#### EDITORIAL

First let me apologize for not getting this issue of the Newsletter out to you in April; it simply was not possible, because of the great pressures at the end of the academic year.

Individual memberships have increased since February, so that there are now 5 Supporting Members and 68 Subscribing Members. Supporting Memberships, in particular, greatly assist the Federation in its work since they provide at least \$ 10.00 each to the resources of FAN. Each of the present individual members is encouraged to enroll at least one additional member between now and September.

The major effort of the Federation during the last three months has been in preparing and presenting a brief to the Public Hearings on the Provisional Master Plans for the four contiguous Rocky Mountain National Parks. The naturalists of Alberta owe a great debt to Mr. Art Rupp who did all this work virtually single-handed. In addition, of course, excellent briefs were also presented at these hearings on behalf of FAN's member societies, and this has taken up a great deal of the time of several of the Directors of the Federation who were responsible for preparing and/or presenting briefs on behalf of the clubs they represent on the FAN Board. It is hard work, so if any individual FAN member has spare time, he or she should volunteer it either to a local natural history club or to the Federation.

#### NEWS

##### FAN NEWS:

Third Meeting of the Board of Directors. This meeting was held in Calgary on 13th March 1971, with all the directors in attendance (So far, I do not think any director has missed a meeting).

It was noted that the Environment Conservation Authority is now, in some way, incorporated with the new Department of the Environment. It was intended originally that it should report directly to the Cabinet, so concern was expressed.

A Motion was passed supporting those resolutions, recently passed at the Annual Meeting of the Alberta Fish and Game Association in Medicine Hat, that referred to conservation matters. Several good resolutions are involved, and our support for them is to be conveyed to the Alberta Fish and Game Association.

It was decided that the Annual Meeting of the Federation of Alberta Naturalists would be held in the early fall (possibly in the first weekend of October) in or near Lethbridge. In this way the first three field meetings of the



Federation will have been held in widely separated geographical regions of the province (Edmonton, Red Deer and Lethbridge).

P Second Field Meeting, Red Deer, 12-13 June 1971.

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The second field meeting will be hosted by the Alberta Natural History Society (established 1906). Information can be obtained from Mrs E.M.Scouler (347-6122), in Red Deer. If you plan to attend please send her a postcard, to indicate this, to: 4145--40th Street, Red Deer.

On Saturday, 12th June, Registration will take place from 2.0 to 5.0 p.m. at the Public Library (49th Street & 48th Avenue). At 5.30 p.m. there will be a cook-out at Fort Normandeau, Old Timer's Picnic Grounds (but bring your own meat). At 7.30 p.m. there will be a slide-show in the Snell Gallery at the Public Library.

On Sunday, 13th June, starting at 6.00 a.m., Mr. R.Mills will lead a party through the Gaetz Lake Sanctuary (meet at the Lindsay Thurber Comprehensive High School--south grounds). At 12.00 noon a picnic lunch will be held outside Red Deer, at a site to be decided, after which a visit will be made to a heronry.

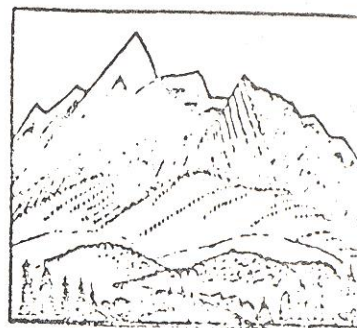
Plan, now, to attend this field meeting; discover a new area, and meet other Alberta naturalists. Members of any member-club of The Federation, individual members of FAN, and indeed any Alberta naturalist, are invited.

The Wilderness Areas Act. At the third meeting of the directors, the President was authorized to write to the Minister of Lands and Forests protesting the provision in the revised Wilderness Areas Act (1971 Bill 67) that limits Wilderness Areas to no more than 144 square miles. A copy of this letter was also sent to every Alberta M.L.A. Several replies were received from M.L.A.'s and members of the Cabinet, but no change was made in the legislation.

Increased Law Enforcement. At the third meeting of the directors, a resolution was passed (see page 19) on the Need for Increased Enforcement of Existing Conservation Legislation. In a covering letter to the Minister of Lands and Forests, the President stated that FAN would like to see the number of enforcement officers increased or enforcement officers provided with better equipment. In particular "we would also urge that colonies of nesting water birds such as cormorants, pelicans, gulls and other species should be off-limits to casual visitors, and that urgent action is needed to set aside such colonies as nature reserves." In his reply Dr. Ross says: "we are adding some additional enforcement officers to our staff, but even if we quadrupled the number we now have I am sure we would not be able to prevent some of the vandalism and acts of sheer thoughtlessness that too often are present in some of our citizens." It is, of course, precisely for this reason that the Federation would like to see certain key sites (pelican colonies, cormorant colonies etc.) set aside as defined Nature Reserves, with salaried Wardens. A copy of the resolution on the next page was also sent to the Director of

FEDERATION OF ALBERTA NATURALISTS

2103 Crocus Road, N.W., Calgary 48.



13th March 1971.

A Resolution on the Need for Increased Enforcement of Existing Conservation Legislation.

WHEREAS there has been a considerable increase in the human population of Alberta during the last decade; and

WHEREAS there has been a substantial change in the capability of Albertans to get away from the highways and deep into the countryside, both in winter and in summer during recent years; and

WHEREAS there has been a great expansion in the human recreational utilization of Alberta's lakes to the detriment of several kinds of aquatic wildlife, particularly colonially-nesting water birds; and

WHEREAS the number of provincial wildlife and fisheries officers has not increased appreciably during the 1960's;

THEREFORE The Federation of Alberta Naturalists, meeting on March 13, 1971, RESOLVES to urge the Government of Alberta to increase the effectiveness with which the existing regulations for the protection of the flora and fauna of Alberta are enforced.

To be sent to:

Hon. J.D. Ross, Minister of Lands & Forests  
Hon. J.D. Henderson, Minister of the Environment-Elect  
Hon. H.E. Strom, Premier of Alberta

on behalf of The Federation

*M.T. Myres*

M.T. Myres  
President



the Western Region of the Canadian Wildlife Service, in Edmonton. A most encouraging response was received from the C.W.S. Wildlife Enforcement Coordinator, who stated that C.W.S. would "supply the R.C.M. Police with a list of those lakes whose areas contain one or more colonies of nesting water birds, and will ask that particular attention be placed on these areas."

LOCAL NEWS:

\*\*\* Summer Field Trips by Member Clubs (contact the local club if you wish to take part in one of its field trips).

\*BOW VALLEY NATURALISTS. A really full program has been prepared by this club, and excursions have already been made on May 5, 17 and 19. The rest of the program is provided in full on page 21.

\*CALGARY FIELD NATURALISTS SOCIETY. Several field trips have already been made, and these have been (or are likely to be) reported in The Calgary Field Naturalist. The following still lie in the future:

May 26. Inglewood. 6.0 p.m. to dusk. Leader-Willis Hall

May 30. Charter Bus Trip to the Drumheller/Hand Hills area.

Already fully booked, but there is a waiting list in case of drop outs. Leader-Garry McKay  
(249-6977)

June 9. Bears paw. 6.0 p.m. to dusk. Leader-Dr. R.T.Ogilvie

June 13. Brown-Lowery Natural Area (north of Turner Valley).

Leader-Dr. C.D.Bird(282-1183).

July 7. Fish Creek. 6.0 p.m. to dusk. Leaders-R.Jones & G.McKay

\*EDMONTON BIRD CLUB. Beaverhill Lake has been visited twice already, on May 2 and 16. The following field trips still lie in the future:

May 30. George Lake. Meet at Woodward's Westmount SE Corner at 5.00 a.m.

June 5 & 6. Lesser Slave Lake Provincial Park. Meet at the town post office or at the park. For details (times etc.) contact Dr. D.B.Robinson, 89 Westbrook Drive, Edmonton 76.

\*LETHBRIDGE NATURAL HISTORY SOCIETY: Excursions have already been made to a Sharp-tailed Grouse dancing ground on April 25, and to a Sage Grouse dancing ground on May 2. The following field trips still lie in the future:

June 6. Pincher Creek, to see spring flowers. Meet at Mayor Magrath Safeway lot at 9.00 a.m. (Bring lunch and supper).

July 11. Porcupine Hills. (Same instructions).

BOW VALLEY NATURALISTS

1971 SUMMER PROGRAM

Here it is and we hope you like it. Some easier hikes at the beginning to get in shape for some of the more strenuous trips later. You will note two overnight trips, and we need to know by the preceding Thursday who is going, to tell them what to bring, and to complete arrangements.

ALL TRIPS START AT THE BEAR STREET PARKING LOT, ACROSS FROM THE LIBRARY & ARCHIVES

Saturday, May 29, 8:30 a.m. - Johnston Canyon to Inkpots, with alternate possible return via Hillsdale - 10 miles maximum, moderate grades. Good variety of scenery, training walk. Leader Aileen Harmon

Wednesday June 2, 6:30 a.m. - Early morning bird walk at Johnson's Lake. This area is really exciting at this time of year. Leaders Harmon/Gordon

Saturday, June 12, 8:30 a.m. - Stanley Glacier in Kootenay Park, 7 miles return, moderate grade. A highly interesting glacial cirque, caves, regeneration of the recent fire kill. Leader Jon Whyte.

Sunday, June 27 8:30 a.m. - Amphitheatre on Cascade Mountain - about 8 miles return, climbing about 2,000 feet, fairly good trail, moderately strenuous. A unique area above Forty-Mile Creek. Leader Jon Whyte.

Saturday, July 10, 7:00 a.m. - Glacier Lake west of Saskatchewan Crossing - 12 miles return, fairly flat and easy - early start necessary because of the long drive. Leader Gerry Wilkie

Saturday, July 24 8:30 a.m. - Sunshine Area - easy. Strolling the alpine meadows of the continental divide for flowers, flowers, flowers. Leader B. Gordon

Saturday & Sunday Aug. 7-8 8:00 a.m. - Overnight to Stanley Mitchell Hut in the Little Yoho Valley. 7-8 miles each day, moderate walking on good trails. Limit 20 people. Advise by Thursday. Leader Dorothy Hartley

Sunday, August 22 8:00 a.m. - Eiffel Lake and Wenkchemna Pass above Moraine Lake. Fantastic and varied views with minimum effort - interesting geological features. Moderate 7-9 miles. Leader A. Harmon

Saturday September 4 8:30 a.m. - Sherbrooke Lake area - easy trail ascending to the lake. Those who wish can return via Paget Lookout (moderate climb) with fine views of the Kicking Horse Valley 6-8 miles. Leader Muriel Gratz

Saturday & Sunday Sept. 18-19 8:30 a.m. to Lake O'Hara - overnight at the Alpine Club Hut. A large choice of easy, moderate or strenuous walks when hopefully the larches will be turning gold. Please advise by Thursday if going. Limit 20 people. Leader Dorothy Hartley

Sunday, October 3 8:00 a.m. - Elk Lake - 14 miles return but fairly easy - located beyond Forty Mile Creek, northwest of Cascade Mountain. Leader Gerry Wilkie

YOUR TRIP COMMITTEE;

Gerry Wilkie	762-3178	after 5:00 p.m.
Jon Whyte	762-3213	(bookstore)
Dorothy Hartley	762-4061	
Aileen Harmon	762-3607	
Bruce Gordon	762-2715	

Always wear or bring warm clothing, rain wear, and for day trips a lunch. Advise the Trip Committee (leader preferably) if you are going, or you may get left.



PROVINCIAL NEWS:

The Legislature. During the 1971 legislative session, a Department of the Environment was established, but it is significant that the Fish and Wildlife Division is to remain in the Department of Lands and Forests (evidently forests, fish and wildlife are not part of the environment, or their condition an indication of environmental health). It is questionable, therefore, whether the new department can be relied on to make much use of the evidence provided by fish and wildlife biologists that environmental pollution is affecting these vertebrate organisms in the wild. As mentioned earlier, The Federation of Alberta Naturalists is concerned that the Environment Conservation Authority is associated with the new department, since the whole point of the ECA seemed to be that it would have wide-ranging powers of enquiry and would report, not to a single minister, but to the Cabinet as a whole.

The Wilderness Areas Act was passed, with the 144 square mile upper limit on the size of a wilderness area unamended. This is a serious deficiency which means that naturalists are not exactly cheering the new Act, strong though it is in most other respects.

Several other bills concerned with air and water pollution also came before the Legislature in 1971.

Prime. On January 27, 1971, as part of a series of public meetings at the University of Calgary devoted to THE ENVIRONMENT OF ALBERTA, a discussion was held on "Water Developments in Alberta's Future". Mr. Reg Bailey, head of the Water Resources Branch, then in the Department of Agriculture, was reported next day, in The Calgary Herald, as having made the following statements:

- a scheme (PRIME) for moving water from the north to the south of Alberta is only a proposal, not a commitment to proceed with projects;
- the various diversion schemes outlined under the PRIME scheme will only be put into effect as public demand for water arises;
- a study of a diversion project on the Sturgeon River will continue for another two years before public hearings are called to study proposals;
- more direct and realistic charges should be made to those who benefit from water projects.

I saw no claim in the newspaper subsequently, by Mr. Bailey, that its reporting of his remarks had not been accurate.

NATIONAL NEWS:

Canadian Audubon Society. In spite of the fact that the Annual General Meeting of the Canadian Audubon Society on May 17, 1970, passed a motion that the Special General Meeting to ratify a new by-law changing the name of the society, the location of its head office and the methods of election of its directors (among other, less important, matters) should be held in Winnipeg, this decision of the membership has not been honoured by the present directors. Instead, the Special General Meeting is to be held in Toronto on May 29, 1971, and it is doubtful that there will be many members from Western Canada present! The Federation of Alberta Naturalists has been asked to appoint one Representative Director to the Board of Directors of the Canadian Nature Federation.



Club Meetings:

Calgary Field Naturalists' Society. At the April meeting, Dr. Val Geist of the University of Calgary spoke on "Conservation in the North", with particular reference to the Yukon. Dr. Geist referred to Russian work on the harm done to northern game animals when they are forced into over-exertion, as when pursued by helicopters. Death, emphysema and abortion are some of the serious consequences (oil crews please note). Dr. Geist then outlined some of the criteria that must be taken into consideration when selecting nature reserves that are to be self-contained and self-sustaining so far as the animals within them are concerned (for moose this includes a river that floods annually so that new willow areas are continually being formed). Finally Dr. Geist described some of the features of periglacial environments in the Yukon and noted certain characteristics of the animal populations associated with these. He associated huge game populations there with the high fertility caused by dust storms and water erosion. Here the ice age had not yet ended, and the richness of the game populations was not dissimilar from that believed to have occurred in central southern Canada 7-12,000 years ago.

On May 19th, the Annual General Meeting of the society, a new executive will be elected. The speaker for that meeting is Dr. N. Rutter talking on "The Ice Age and the Landscape of Alberta". Originally Dr. Rutter's talk was to have preceded Dr. Geist's.

Edmonton Bird Club. At the April meeting, Dr. Lloyd Keith, of Wisconsin, spoke on "Some Population Phenomena in Alberta Ruffed Grouse". At the May meeting there was to be an illustrated talk on "A Canoe Trip in Bowron Lake Provincial Park" (speaker unreported). A new club constitution will also be discussed.

Lethbridge Natural History Society. At the April meeting, Mary Dwyer presented a talk and films on Point Pelee National Park (welcome back to Alberta, from Ontario!). The May meeting was a Members' Night.

Membership in FAN:

The Secretaries of local member clubs are asked to bring the existence of the FAN Newsletter to the attention of their members, and to indicate that membership may be obtained as Supporting or Subscribing Members (\$ 10.00+ and \$ 2.00, respectively), sent to 2103 Crocus Road, N.W., Calgary 48.

Information for the FAN Newsletter:

Starting with the next issue, club secretaries will be circulated with a form onto which they can record items of interest for the newsletter. It is earnestly hoped by the editor that this will increase the amount of information submitted to him. The Editor would point out that it has not been too easy to find speakers for natural history club meetings in Alberta, and that the listing of recent speakers at the various clubs can provide ideas for speakers to other clubs within the Federation. So everyone benefits, except perhaps the successful speaker who is asked to speak too frequently!



(Information selected from the card index at the Provincial Museum and Archives of Alberta: additional data would be welcomed).

NORMAN CRIDDLE (14.5.1875 - 4.5.1933)

Norman Criddle is best known in Manitoba, where he spent much of his life. Many of his publications there have relevance to Alberta, but he also spent a short period at Calgary and published on his experiences there.

He was born in Surrey, England, and brought to Manitoba by his parents while still young. Their interest in natural history was to remain with him all his life. From 1882 to 1905 he was a farmer and then began working as a technical artist. His drawings of plants were used for a variety of Agricultural Publications, and he joined the Seed Branch of the Department of Agriculture in Ottawa in 1910. It was with this department that he was in Calgary from 1911 (or 1910) to 1913, when he returned to Manitoba with the Division of Entomology.

His 'Natural History Notes from Calgary' (Ottawa Naturalist 25 : 73-77) refer only to his first four months, January-April 1911. Unfortunately, only passing references to the rest of his Alberta stay have been located, so probably nothing further was published, and his field notes have not yet been traced. Despite their brevity, the notes will be of interest to Calgary naturalists today.

They refer to the situation of Calgary, comment on fossil localities, climate, and wooded areas. Notes on winter birds and spring arrivals include Bald Eagles nesting within the city limits (though not undisturbed). Mammals were few, except for 'bush rabbits' and the 'Grey Gopher' (Richardson's Ground Squirrel) whose abundance is blamed on the 'absence' of hawks. A few notes on the appearance of spring flowers are also of interest, and a Miss Moodie 'a well-known and talented local botanist' is mentioned (further information welcomed?).

Criddle's real enthusiasm at this period was for tiger beetles, and nearly two pages are devoted to his findings. Not

surprisingly, he got on well with the Lepidopterist Wolly-Dod of Millarville, a few miles SW of Calgary, and describes with enthusiasm a two-day visit to see his collections.

A reference to 'the enthusiastic young Society formed for .....study.....'(in nearly every branch of natural history) is also intriguing. I have no other record of a society so far back in Calgary.

In later life Criddle became an eminent Manitoba, and indeed, Canadian naturalist. He published over 125 papers, of which half were on entomology, and many of the rest on birds. He was president of both the Ottawa Field Naturalists' Club and the Natural History Society of Manitoba in the late twenties, and a member of many others. Several brothers shared his interests, but he never married.

Portrait

Canadian Field-Naturalist 47 : 145.

References

- |                          |                           |   |
|--------------------------|---------------------------|---|
| Criddle, N. (1929)       | Memoirs of the Eighties.  | Canadian Field-Naturalist<br>43 : 176-181 |
| Lloyd, H. (1933)         | Norman Criddle 1875-1933. | Canadian Field-Naturalist<br>47 : 145-147 |
| P(almer), T.S.<br>(1934) | Norman Criddle.           | Auk<br>51 : 133-134                       |

Publications

- |                    |   |                                 |
|--------------------|---|---------------------------------|
| Criddle, N. (1911) | Natural History Notes<br>from Calgary, Alberta. | Ottawa Naturalist<br>25 : 73-77 |
|--------------------|---|---------------------------------|

DAES 10.11.70



Public Hearings on the Provisional Master Plans for Banff, Jasper, Yoho, and Kootenay National Parks. These hearings were held in Calgary on April 19 and 20, in Edmonton on April 22 and 23, 1971, and also in Golden, B.C. and Vancouver.

I have received no report on the hearings in Edmonton so far. At Calgary, over 100 briefs were submitted--about 75 of them with a brief personal presentation. As mentioned earlier, Mr. A.W. Rupp presented a brief on behalf of The Federation of Alberta Naturalists, and briefs were also presented in Calgary by Mrs Frances Schultz on behalf of the Lethbridge Natural History Society and Mr. Jon Whyte on behalf of the Bow Valley Naturalists. Mr. Ian Halladay (of CFNS) was the lead-off speaker on 19 April, presenting a personal brief. Dr. M.T. Myres presented a personal brief at an evening session on 19 April. Miss Aileen Harmon presented a personal brief on 20 April. A brief was also presented on behalf of the Columbia Valley Naturalists, of Golden B.C. Two of the most impressive briefs were presented by Doug Rutledge of the 80th Rovers and Venturers of Calgary on the morning of 19 April, and Mr. Adolf Hungry Wolf, an Indian writer now living near Golden. A Federation of Ontario Naturalists brief was presented.

The vast majority of the briefs opposed further developments in Banff National Park, either of roads or of extensive tourist facilities. For example, Mr. Fred Scott, speaking for the Calgary Chamber of Commerce, came out against loop roads, and against snowmobiles. Mr. George Leroy, of the Banff-Lake Louise Chamber of Commerce, stated that the Village Lake Louise proposal (which was almost universally condemned) was far in excess of demand, and that roads should not be built into the wilderness; he suggested that Alberta should develop recreational resorts outside the National Parks to take the pressure off the N.P.'s. The Hon. Gordon Taylor, speaking for the province of Alberta, was almost alone in favouring the Provisional Master Plans and their proposals for further developments inside the national parks.

As one brief put it: "those who have prepared the plans may well be embarrassed to discover how out-of-touch with the needs of the times, and the beliefs and desires of the Canadian people, they may have become." Whether they were in fact embarrassed is doubtful, but out-of-touch they were certainly shown to be!

New Natural History Clubs in Adjacent Portions of British Columbia. It was a pleasure to learn at the National Parks hearings (above) that a natural history club has been formed at Golden, B.C. The Columbia Valley Naturalists may be contacted c/o Mrs Chris Schiesser, Bridge Books, Golden, B.C. In the Salmon Arm area, Derek Beacham (formerly of the Calgary Bird Club) has become the first president of the Shuswap Naturalists.

#### FEATURES

Biographical Sketches on Alberta Naturalists.

No. 3 in this series by David Spalding is on Norman Criddle (see pp.24-25).



RECENT PUBLICATIONS OF INTEREST TO ALBERTA NATURALISTS:

- Anderson, D.W. & Kreitzer, J.F. 1971. Thickness of 1967-69 Whooping Crane Eggshells compared to that of pre-1910 specimens. Auk 88: 433-434.
- Bird, C.D. 1970. Alpine Plants on Plateau Mountain. University of Calgary, Department of Biology (14 pp.)
- Bird, C.D. 1970. Botany of the Drumheller-Horseshoe Canyon area. University of Calgary, Department of Biology (5 pp.)
- Blokpoel, H. 1970. A Further Attempt to Forecast Bird Migration over Cold Lake, Alberta. Ottawa: National Research Council, Associate Committee on Bird Hazards to Aircraft, Field Note No. 54 (22 pp.)
- Blokpoel, H. 1971. A Preliminary Study on Height and Density of Nocturnal Fall Migration. Canadian Wildlife Service, Report Series No. 14: 95-104.
- Edwards, R.Y. 1970. Man and the Prairie Landscape. Canadian Audubon 32(4): 111-115.
- Edwards, R.Y. 1971. The Buffalo Millions. Canadian Geographical Journal 82(4):144-147.
- Ellis, F.H. 1971. Canada's Northern "Niagaras". Canadian Geographical Journal 82(4): 142-143.
- Erskine, A.J. 1971. The Cooperative Breeding Bird Survey in Canada, 1970. Canadian Wildlife Service, Progress Notes No. 21 (33 pp.)
- Harper, J.R. (Ed). 1971. Paul Kane's Frontier. University of Toronto Press (includes "Wanderings of an Artist among the Indians of North America" by Paul Kane, and over 100 pages of paintings and sketches).
- Hills, L.V. 1970. The Use of Late Tertiary Fossil Wood as Nesting Material by Rough-legged Hawks on Banks Island, N.W.T. Canadian Field-Naturalist 84: 399-401.
- Höhn, E.O. 1970. Pomarine and Parasitic Jaegers and Sabine's Gulls in Alberta. Canadian Field-Naturalist 84: 402.
- King, J.G. 1970. The Swans and Geese of Alaska's Arctic Slope. Wildfowl 21: 11-17 (The Wildfowl Trust, Slimbridge, Glos., England).
- Lammers, J. 1971. Yukon: Last Hope for Wilderness. Ontario Naturalist 9(1): 12-17.
- Myres, M.T. & Cannings, S.R. 1971. A Canada Goose Migration through the Southern Interior of British Columbia. Canadian Wildlife Service, Report Series No. 14: 23-34.
- Proceedings of the Peace-Athabasca Delta Symposium. 1971. Edmonton: University of Alberta, Water Resources Centre. (ca.350pp).



- Richardson, W.J. & Gunn, W.W.H. 1971. Radar Observations of Bird Movements in East-Central Alberta. Canadian Wildlife Service, Report Series No. 14: 35-68.
- Rogers, G.W. 1970. Change in Alaska: People, Petroleum, and Politics. (Editor) University of Alaska Press & University of Washington Press. (213 pp.).
- Vermeer, K. 1970. Breeding Biology of California and Ring-billed Gulls: A Study of Ecological Adaptation to the Inland Habitat. Canadian Wildlife Service, Report Series No. 12 (52 pp.)
- Vermeer, K. & Reynolds, L.M. 1970. Organochlorine Residues in Aquatic Birds in the Canadian Prairie Provinces. Canadian Field-Naturalist 84: 117-130.
- Weeden, R.B. & Klein, D.R. 1971. Wildlife and Oil: A Survey of Critical Issues in Alaska. Polar Record 15(97): 479-494.
- Wolford, J.W. & Boag, D.A. 1971. Food Habits of Black-crowned Night Herons in Southern Alberta. Auk 88: 435-437.

RECENT ADDITIONS to the FAN LIBRARY:

Federation of Alberta Naturalists. 1971. "A Brief concerning National Parks Policy and Provisional Master Plans for Jasper, Banff, Yoho and Kootenay National Parks". Submitted by A.W. Rupp (Chairman, Wilderness, Parks and Natural Areas Committee). April 1971 (20 pp.)

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Alberta. 1971 Bill 32. The Department of the Environment Act.  
1971 Bill 40. The Clean Water Act.  
1971 Bill 67. The Wilderness Areas Act.

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Provincial Museum & Archives of Alberta.

\*Natural History Division, Reference Lists Nos 1-100

(a complete set has been donated by D.A.E. Spalding, Head Curator of Natural History)

\*An Artist's View of Nature—CARL RUNGIUS. Provincial Museum & Archives of Alberta, Publication No. 1 (24 pp.).

\*Museum & Archives Notes Nos 1, 3 and 6 (Pronghorn, Habitat Groups and Moose).

\*Check-List of Alberta Birds (January 1969).

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Manitoba. Department of Mines and Natural Resources, Winnipeg:

\*Just a Bunch of Trees

\*The Wild Dogs: a story of Wolves in Manitoba

\*Furbearers of Manitoba

\*Manitoba Underground





FEDERATION OF ALBERTA NATURALISTS

May 1971

Additions since February 1971.

SUPPORTING MEMBERS:

Mrs H.K.Roessingh, 540--49th Avenue, S.W., Calgary 5.

SUBSCRIBING MEMBERS:

Alberta:

Mrs L. Bayley, 3930-1A Street, S.W., Calgary.  
Mr. Harvey Beck, # 703, 323--13th Avenue, S.W., Calgary 3.  
Miss M.A.Biggs, Beynon.  
Mr. J.Cammaert, Box 178, Rockyford.  
The Library, Canadian Forestry Service, 5320--122nd Street, Edmonton 70.  
Dr. Stephen Herrero, Dept. of Biology, University of Calgary, Calgary 44.  
Mr. J.W.Johnson, Box 23, Black Diamond.  
Mrs Frank Kettenbach, Box 220, Rockyford.  
Mr. K.F.MacLennan, 3410--11th Street, S.W., Calgary.  
Mr. W.G.McKay, 62 Westview Drive, Calgary 5.  
Mrs F.J.Metz, 4339 Vauxhall Crescent, N.W., Calgary.  
Mr. J.W.Miller, Box 24, Rockyford.  
Mr. T.S.Sadler, General Delivery, Strathmore.  
Mr. W.J.Sawitzky, 10713--125th Street, Edmonton 40.  
Dr. Kees Vermeer, Canadian Wildlife Service, Room 515 Centennial Bldg.,  
10015--103rd Avenue, Edmonton 15.

Other Regions:

Mr. David Hatch, Oak Lake, Manitoba.

Last Minute Addition:

Alberta:

Mr. B. Jones, Box 9, Site 2, R.R.5, Calgary