

T.F.N.C. Nomination Form.

Office \_\_\_\_\_

Signature of Nominee \_\_\_\_\_

Proposed by \_\_\_\_\_

Seconded by \_\_\_\_\_

T.F.N.C. Nomination Form.

Office \_\_\_\_\_

Signature of Nominee \_\_\_\_\_

Proposed by \_\_\_\_\_

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T.F.N.C. Nomination Form.

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Seconded by \_\_\_\_\_

BULLETIN

No. 181.

February, 1974.

Registered at G.P.O. Hobart, for transmission by post as a periodical, Category B.

Club's Address - G.P.O. Box 68A, Hobart, 7001.

NOTICE OF MEETING

The next meeting will be held in the Royal Society Room, Tasmanian Museum, on Thursday, February 21st, at 7.45.p.m.

SPEAKER

Mr. B. Knott, Zoology Department, University of Tasmania.

SUBJECT

'Freshwater Crustacea'.

OUTING

Not yet arranged. See at the meeting!

SUBSCRIPTIONS

..... ARE NOW DUE .....

RATES

Junior (under 16)	\$1.50
Adult	\$3.00
Family or Group	\$4.00

Each month (except December and January) members receive a T.F.N.C. Bulletin, giving details of current activities, and each quarter, the Club's Magazine, "Tasmanian Naturalist" (Supplement to the Bulletin). The cost of both these is included in the Annual Subscription.

Visitors are welcome at the meetings.

Federation of Field Naturalists' Clubs  
of Tasmania.

The Annual Meeting will be held in Launceston during March.

This Club sends two delegates.

The Federation discusses matters of interest to the State as a whole. It is a forum for discussion and liaison between Clubs, and has a eye out for matters of conservation. When necessary, letters are written by the State Secretary to various municipal bodies, State organisations and Members of Parliament to bring to their notice matters needing attention.

The Federation has a combined voice which can give evidence to public enquiry commissions. It is often asked for advice on Flora and Fauna conservation matters.

Have you anything you think could profitably be brought up for discussion at this next meeting?

If so, please put in writing and give to the Secretary (Miss M.L. Westbrook) of our own Club.

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The Annual Meeting of the Tasmanian Field Naturalists' Club will be held on Thursday March 21st. Nominations are required for the following:-  
President; two Vice-Presidents; Honorary Secretary; Honorary Assistant Secretary; Honorary Treasurer; and a Committee of six members... and Auditor.

Written nominations duly proposed and seconded by members and signed by the nominee, shall be in the hands of the Secretary not later than two weeks before the Annual Meeting. (March 7th).

The present Secretary is not available for nomination this year.....

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ROUND THE CLUBS

BURNIE

At their Exhibition and Flower Show, held in Nov. 1973, it was pleasing to note (quote) 'The Home-Grown Section of native plants has developed from one small table a few years ago to one of our largest attractions. This section contained plants, native to all states, flourishing right here on the North West Coast.'

LAUNCESTON

Their December issue contains an alphabetical list of endemics still to be painted by Miss Margaret Stones for the late Lord Talbot's 'The Endemic Flora of Tasmania'... Nov. 1973.

(I have available a few copies of this. (M.L.W.)

NORTHEASTERN NATURALIST

South African Boneseed Throat:- Plants of this Boneseed (*Chrysanthemoides monoliferum*) have been identified by Launceston F.N.C. Club Secretary, Mr. John Simmons, as growing in Launceston's Cataract Gorge. All steps to eradicate it must be made now...

It has an attractive, bright yellow flower of six petals. Round bone-coloured seeds, each about one-third the size of a pea, form in clusters and a large mature plant will produce hundreds of them. They are extremely tough and will live in the soil many years. In South Africa it is not considered a pest because of biological control, mainly by the Red-winged starlings feeding in great flocks on its ripening seeds. In Victoria, the Bird Observers' Club, the Geelong F.N.C and other groups have had some success at the You Yangs by "pulling" in selected areas, but this must be followed up for several seasons.

The Boneseed has been declared a "noxious weed" in Victoria.

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IMPORTANT..... Nomination forms overleaf!

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## EASTER CAMP 1974 ----- MARIA ISLAND-----

Intending Campers please let Mr. Van Munster know

- (a) If they intend to go by plane.
- (b) If they intend to go by boat from Triabunna.
- (c) For those going to Triabunna by car
  - (i) if they have any spare seats.
  - (ii) If they need transport.
- (d) To minimise amount of luggage on plane it would be advisable to send heavy gear, such as tinned food, li-lo, etc by freight ~~(by air)~~ (Gordon Cassell) to Triabunna, addressed to the owner care of the Ranger, Darlington, Maria Island.

Notes - Intending passengers should be prepared to board the boat during the morning, as conditions are more suitable then. The same applies to those going by plane - the morning is the best time.

We have the use of a five-roomed house so there should not be any need to pack your tent if you would prefer to sleep indoors.

No food is available on the Island - and it would be a good idea to take an extra day's rations just in case the weather turns nasty and we get marooned!

Remember the Scout and Guide Motto  
"Be Prepared"

\*\*\*\*\*

Animal Tracks:- Peterborough Field Nats, in their paper "The Orchid" have a page of tracks - of fieldmouse, rabbit, skunk, fox, squirrel, muskrat, white tailed deer, bear, bobcat, raccoon, beaver, porcupine. Look for this on the table at our meeting.

Animal tracks in snow, mud, or sand provide us with information about abundance, range, habits and identity - toes, hooves, nails, claws and tails are the principal markers. Marks are grouped by method of travel, some hop or jump, or walk with feet-in-line, some walk on their toes, others on their heels. - Look for tracks - it adds to the interest on the trip and is fun for all the family... What have we in Tasmania????????????

No. 182.

March, 1974.

Registered at G.P.O. Hobart, for transmission by post as a periodical, Category B.  
Club's address - G.P.O. Box 68A, Hobart, 7001.

ANNUAL GENERAL MEETING

The Annual General Meeting will be held at the Royal Society Room, Tasmanian Museum, on Thursday March 21st, at 7.45.p.m.

Business:-

Apologies.

Short Talk - Last Outing - M.L. Westbrook.

Minutes of A.G.M. 1973.

Business therefrom.

Annual Report and Balance Sheet.

Nominations.

General Business:-

Observations and Exhibits.

Easter Camp.

Membership.

Any other general business.

At the conclusion of the business a talk will be given by the President.

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## NEXT OUTING

It is proposed to follow the new track from Forest Road to Mount Stuart, and return. This is primarily to assess the possibilities of creating a Nature Trail along part of the Track.

Bring your lunch, Thermos etc, and meet at the Prince Theatre at 10.a.m. on Saturday March 23rd. Private Transport - or you could meet the party at the top of Forest Road where a road/track leads off towards the back of sunrise estate.

.... This could lead to an interesting project!

\*\*\*\*\*

QUINKAN COUNTRY

"Quinkan" is an Aboriginal name for the supernatural spirits.

APPEAL\*\*\*\*\* to Australian Nation to donate funds to purchase about 300 Square miles for a Quinkan National Park

The Aborigines Historic Places Trust and the Cape York Conservation Council are jointly undertaking this project. They propose to buy this from the proprietors of Crocodile Station who have agreed to sell provided it is made into a National Park. The area is magnificent rugged sandstone country of colourful red scarps, plateaux, gorges, and creeks and it is virtually untouched wilderness of open forest.

Apart from the numerous species of trees, orchids, animals and birds it contains the greatest body of prehistoric rock art in the world. Several hundred galleries of Aboriginal paintings have been discovered there and much of it has yet to be explored.

The Aboriginal Historic Places Trust is establishing a tourist complex at Laura to offer guided tours of the cave paintings especially to groups of school children from all over Australia for Adventure Safaries, camping in the spectacular hills of Quinkan Country.

The price of this land is roughly \$5.00 for fifteen acres.

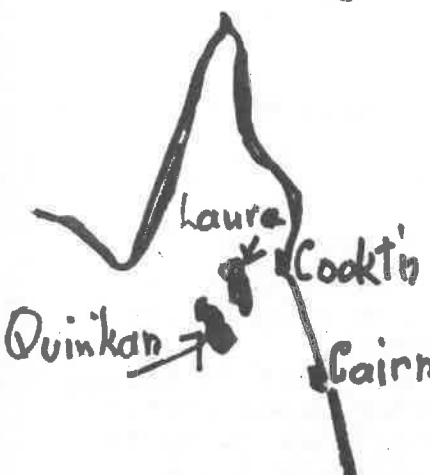
Donations may be sent to

The Cape York Conservation Council  
P.O. Box 33  
Gordonvale, Queensland, 4865.

\*\*\*\*\*

With this appeal literature the Council sent also a list of 'rights' which they feel should be included in the Australian Bill of Rights to protect the health and wellbeing of ourselves and future generations. They ask us as organisations and as individuals to write to Senator Murphy, Dr. Cass, our local member and heads of all political parties, asking for conscience voting, supporting their submission.

Next page for their proposed Bill of Rights.



BILL OF RIGHTS

- the right to be free from undesirable poisons;
- the right to be free from unwanted noises;
- the right to reserve and have access to areas for recreational, cultural and scientific uses;
- the right to be free from overcrowding;
- the right to have good soils and waters conserved;
- the right to protect wildlife from being eradicated
- and - the right as individuals to live a healthy life.

\*\*\*\*\*

If the Quinkan Appeal is successful they will extend this area to 1,000 sq. miles as well as buy rainforest and other areas to be preserved in the national interest.

\*\*\*\*\*

SPECIAL NOTE

\$\$\$\$\$ANNUAL SUBSCRIPTIONS ARE NOW DUE\$\$\$\$\$

Juniors (under 16 yrs)	\$1.50
Adult	\$3.00
Family or Group	\$4.00

Send to The Treasurer, G.P.O. Box 68A, Hobart, 7001  
or bring to the Annual Meeting.

We hope to see as many members as possible at this meeting --- it is, for a Club, the most important meeting for the year.....

Come and hear the Report and Balance Sheet, and find out who will fill the various offices for 1974.

.....

Any suggestions for the running of the Club, or for Outings, or Outing Leaders, or for subjects for evening meetings, or projects suitable for Club Members, will be enthusiastically received by the Committee.

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Extract from Unesco Courier, January 1974.

POWER FROM THE SUN

Today's oil crisis has highlighted the much broader problem of the world's critical energy shortage. With rising population and dwindling energy resources it becomes clear that future requirements call for the speediest possible development of power sources other than fossil fuels. Solar energy, already being tapped in many ways, offers promise for tomorrow.

The primary advantage of converting solar energy to power is the inherent absence of virtually all of the undesirable environmental conditions ascribed to present and anticipated power from fossil fuels.

One of the toughest problems is 'What does one do when the sun doesn't shine?' Man's ingenuity is working on this. One way to overcome the difficulty is to have a satellite power station orbiting the earth. Power from space has the potential to provide economically viable and environmentally and socially acceptable means to meet future world energy requirements.

Scientists are already saying that a 'Solar Era' in power engineering is on the way - if not in the 20th century, then in the 21st. A preview of this era was offered by a recent exhibition of science fiction paintings, 'Tomorrow's World' held in Moscow. A picture by the Soviet astronaut Alexei Leonov and the painter Aleksander Sokolov showed a gigantic mirror orbiting in space, lighting up vast regions of the earth at night - such a device could be immensely useful to places where ground and air traffic is particularly heavy after dark!

On every continent, domestic heating and lighting units, water pumps, desalting stills, refrigerators are running on solar energy. In Australia it has been estimated 15% of her energy needs could be met by solar power by year 2000 and government scientists are now studying industrial applications that run from water heating to timber drying.

No. 183

April 1974.

Registered at G.P.O. Hobart, for transmission by post as a periodical, Category B.

Club's Address - G.P.O. Box 68A, Hobart, 7001

NOTICE OF MEETING

The next meeting will be held in the Royal Society room, Tasmanian Museum, on Thursday April 18th, at 7.45.p.m.

SPEAKER

Miss M. L. Westbrook

SUBJECT

South America - Talk, with slides.

NEXT OUTING

LEADER - Mr. K. Aves.

OBJECT - to find Podocarpus pine on Mount Wellington.

MEET by the Prince Theatre

SATURDAY, April 20th

TIME - 10 a.m. Private Transport.

SUBSCRIPTIONS - Keep them rolling in!

FEDERATION OF FIELD NATURALISTS' CLUBS A.G.M.

The President, and Acting Secretary attended in Launceston on April 6th.

COMMITTEE MEETING

The new Committee met on April 3rd to deal with Club business - Accounts were passed for payment, suggestions were made for programme of meetings and outings, various conservation matters were discussed.

TASMANIAN NATURALIST

Articles are invited and should be received by the Editor by April 10th for May, July 10th for August and October 10th for November.

NEW MEMBER

Welcome to Miss K. Jordon, 26 Riawena Rd, Rosny

## MEMBERSHIP

For 1973-4, 102 - 7 left and 9 new members were enrolled, and we were sorry to lose Mr. Simson and Mr. Bennett who died during the year.

## PROGRAMME

April - Films.  
May - Frogs and Lizards - Mr. Hewer.  
June - Whales, Dolphins and Things - Dr. Eric Guiler.  
July - Hazard Reduction Burning - Mr. Gabel.  
August - Films.  
September - Members' Night - Mrs. Luckman, Mrs. Allan and Mr. Harris.  
October - Travels in India - Mr. Noel Kemp.  
November - Trees in Waterfall Bay Area - Mr. Ken Felton.  
February, 1974 - Freshwater Crustaceans - Mr. Brenton Knott.

## OUTINGS - Places, Aims, Leaders.

Collinsvale - Regrowth - Mrs. Thorpe.  
Primrose Sands - Frogs and Lizards - Mr. Hewer  
Mt. Faulkner - Find the Tree Senecio - Mr. Wall.  
Bellerive Quarry - Orchids - M.L. Westbrook.  
Snug Falls Area - Regrowth - Mr. Wall.  
Mr. and Mrs. Luckman's Property - Middens - Mr. Luckman.  
Ellendale - Mr. and Mrs. A. Brownell.  
Bus Outing (arranged by Miss F.E. Warren)  
Waterfall Bay Area - Mr. Ken Felton.  
Eastern Shore Beaches - Seashore flora and birds - M.L. Westbrook.

## NATURAMA

Mr. John Simmons, (Launceston Field Naturalists' Club), presented an evening of nature slides, with recorded commentary. This was an excellent show, stressing conservation issues. Advertising and hire of hall were very expensive, resulting in a loss of \$50 which was paid for from Club funds.

## DELEGATES

have attended meetings of the Federation of Field Naturalists' Clubs, Rural Fires Board for Hazard reduction burning, and Tasmanian Environment

Centre for Lower Gordon Committee.

## CIRCULAR FOLDING

Thanks to those members who have volunteered to help fold the Bulletin and Tasmanian Naturalist ready for posting.

## TASMANIAN NATURALIST

Thanks to the Editor, Mr. D.G. Thomas, who, with Mr. Wall's help, produced this quarterly supplement to our Bulletin. Some issues have been larger than usual owing to recent research articles on environmental subjects.

## LIBRARY

The Librarian, Mrs. McDonald, has organised filing for the regular periodicals and newsletters and has been present before the meetings to lend books. Donations from Dr. Thyne and other members enabled the purchase of a good reference book on insects, and several other books have been added to the shelves.

## COMMITTEE

Four meetings have been held and well attended. The business included financial matters, membership, conservation issues, programmes of meetings and outings, Easter camp, library arrangements, publications, and many minor details.

## FINALLY

Our thanks goes to Miss R. Warren, our Auditor, and the various speakers, including those who gave the short talks at the beginning of our monthly meetings.

A.C.F. SUBSCRIPTION LIST.

- \$5. sub. Ordinary Member
- \$3. voluntary levy for all future publications.
- \$2.50. Associate or Junior Member.
- \$200. donation election Life Member.
- \$5.00 Sub. for Member Body - who name their representative for voting rights.
- \$? - donation to the ACF.

N.B. Subs paid from April 1st carry through until June 30th the following year.

Special Note -

If you pay your sub through an organisation, that organisation is entitled to the first dollar of the sub, and remits the remaining \$4 to the ACF from time to time when it has collected several subs.

Do you think this Club should take this up?

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The Secretary holds a number of forms.

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THE LITTLE PIGMY POSSUM (CERCARTETUS LEPIDUS) on Kangaroo Island, South Australia.

An article in The South Australian Naturalist Vol 48 No 3 says that, until 1964, they were thought to survive only in Tasmania, although fossil remains have been recorded from the mainland. However three specimens have been captured on Kangaroo Island. After thorough comparison between these, and Tasmanian specimens, it was revealed that there seems to be some degree of differentiation between the two populations. Kangaroo Island specimens seem to be very slightly smaller than ours, with slight differences in the shape of the ears. They conclude that the Kangaroo Island specimens are a mainland type and could not have been imported from Tasmania.

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No. 184

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Club's Address - G.P.O. Box 68A, Hobart, 7001.

NOTICE OF MEETING

The next meeting will be held in the Royal Society Room, Tasmanian Museum, on Thursday, May 16th, at 7.45.p.m.

SPEAKER

The President will present the "Easter Camp Review".

NEXT OUTING

- LEADER - The President
- MEET - by the Prince Theatre.- Private Transport.
- DATE - Saturday, May 18th.
- TIME - 10.a.m.
- DESTINATION - Mt. Field National Park.  
(If we are lucky, there might still be left some of the Autumn Fagus at Lake Fenton).

FIVE MINUTE TALK

-next meeting will be by Miss K. Jordan.

THE TASMANIAN NATURALIST

Articles for August issue should be received by the 10th July. This is a reminder to those who have promised articles - and an invitation to others.

SUBSCRIPTIONS

Have you paid your dues for 1974??????????????????

OLD NUMBER OF "THE ILLUSTRATED TASMANIAN MAIL CHRISTMAS NUMBER" December 4, 1929.

A copy of this has come into the hands of the Secretary. It includes article "Bird Music" by M.S.R.Sharland, and features many old Tasmanian buildings, including Woolmers; the Launceston 'Floods'; some Tasmanian nature scenes taken by H.J.King; "A City Garden" - (behind Mr. Maurice Susman's office in Murray Street;) and various V.I.P.'s of the day. You may see this book on the table at the next meeting - and compare 'then' and 'now!  
(Even the advertisements have their appeal!)

LAST OUTINGSaturday, April 20th, 1974.

Not an ideal day for pottering on the mountain as clouds were down over the summit and descended lower as the day went on. About a dozen people turned up.

A stop was made at the Springs and the area which has been planted with selected natives by the Conservation Trust was investigated. Fortunately perhaps for their survival, they are not easily seen by the casual visitor and it was quite exciting to find such a rarity as *Geum renifolium* doing well.

Exploration on the summit moor was impractical because of the mist, so we descended to near the Mt. Arthur bend where we found that a number of mature specimens of *Podocarpus alpina* have survived the 1967 fire. It had been hoped to extend the search over a bigger area to see if *Podocarpus* occurs elsewhere than this small area, but again the mist prevented this. We then came down to the Panorama shelter shed for lunch and then walked down to the Springs by the Organ Pipes track. We were very happy to find considerable regeneration of *Richea dracophylla* and *Telopea truncata* under the Organ Pipes where these plants flowered so beautifully before the last two big fires. Also there was extensive regeneration of the Mt. Wellington-Dromedary endemic *Senecio centropappus*. The dwarf 'rain forest' of *Nothofagus cunninghami* - myrtle - was also recovering slowly.

We should repeat this outing in the late spring on a sunny day!

H. Kelsey Aves.

ART EXHIBITION and FILM EVENING.

The North-East Tasmanian Field Naturalists' Club are to hold this on Wednesday, May 22nd, 1974, at Scottsdale. Amongst paintings will be some from the late H.J. King, the late Mr. C. Lawrence, Mrs. Stephanie Dean, prints of original paintings by John Gould, BHP Illustrations from the Stanley & Kay Breeden Sketchbook and others.

There is a competition for students - any artform on paper. All Nature subjects - followed by Film Evening.

THE AUSTRALIAN CONSERVATION FOUNDATION.

This is a national non-profit organisation set up in 1965 to promote the understanding and practice of conservation.

Its governing body is a council elected by its thousands of members from all States and from all sections of the community.

It is financed by membership subscriptions and gifts, and is supported by a grant from the Australian Government to offset the costs of operation of its Secretariat.

The activities of the ACF are intended to complement, not compete with, those of governmental and other environmental organisations.

Specific examples are the Great Barrier Reef, conservation of kangaroos and other fauna, protection of national parks and reserves, the urban environment and legislation affecting conservation.

You can support the ACF and its work by becoming an ordinary member. This will entitle you to voting rights, a regular Newsletter and an Annual Report. By paying an additional small voluntary levy you will receive all future publications produced by the ACF.

If you are under 21, or a student, you can become an Associate Member; this category carries no voting rights. Associate Membership is also available for members of a family in which one person is already a member.

Conservation Societies, schools, local government authorities, or groups with kindred conservation interests are invited to join the ACF as Member Bodies, with full voting rights.

Within your own particular region, or State, the conservation movement needs your membership support. But this alone is not enough. Only a national body is large enough to have the facilities - including the professional staff - necessary for a task which embraces a whole continent.

Thus, you need also to join the only national body covering the whole conservation field - the ACF.

The greater the membership, the greater its influence on the decisions being taken in Australia in 1974.



## BEGINS AGAIN.....

The larvae waits until a likely host appears, although it is a puzzle as to how they make contact with their victims, which, in the main are tree Crickets. This particular specimen emerged from a Preying Mantis, in the garden of our home. The abdomen of the Mantis was two inches in length, whilst the worm itself measured

fourteen inches....

It is almost incredible that a worm of this size could be accommodated in this compact little body, without ill effects to its host. Hence its name Gordius, which is derived from the intricate Gordian Knot, tied by Gordius, King of Gordian in Phrygia. An oracle predicted that whoever loosened this knot would ultimately be the Ruler of Asia. Alexander the Great, unable to undo it, cut it with his sword. Hence a difficult problem, or task - a problem solved by force or by evading conditions.

... After emerging, this worm lived for seventeen days. It is not known how long the host lives after this ordeal. Our Mantis did not survive above the third day, owing to the fact that my husband had accidentally trodden on it, which fact probably precipitated a premature emergence of the worm.

\*\*\*\*\*

Toowoomba Club's May Outing was to Crow's Nest Falls National Park. Besides a bird-list and botanical notes, they compiled a list of BUTTERFLIES.. giving both their common names and their scientific ones.

... Wanderer, Lesser Wanderer, Meadow argus, Evening brown, Glasswing, Common egg fly, Small green-banded blue, Dinky ring, Orange ringlet, Common imperial blue, and Common grass yellow.

\*\*\*\*\*

From The Launceston Naturalist...

The Queen Victoria Museum now has a very rare specimen of skeletal remains of the extinct Tasmanian Emu. Mr. R.H. Green was led by Mr. Arthur Alexander to a cave at Mole Creek where the treasure was carefully collected.

STOP-PRESS !\*\*\*\*\*

Handbook of Tasmanian Birds - Jacaranda  
Press-out by end of June - Look for it !

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Club's Address - G.P.O. Box 68A, Hobart, 7001.

## NOTICE OF MEETING

The next meeting will be held in the Royal Society Room, Tasmanian Museum, on Thursday, June 20th, at 7.45.p.m.

Subject:- There will be two Nature Films.

(a) A Tasmanian Wildlife Film recently released by the H.E.C. and including some items on Maria Island.

(b) "Say Goodbye" - a Conservation Film on endangered species.

Five Minute Talk

will be given by the President.

Last Outing

This was to Mt. Field National Park. Although the day was overcast, it didn't really rain and the two carloads of members had a good day. Although most of the Fagus Autumn Leaves had fallen, there were still some in sheltered nooks showing their beautiful colouring. We walked all round Lake Dobson, walked the Nature Trail near Lake Fenton, picnic lunch was at the Park sheltersheds and the highlight of the rambles through the bush was the variety of fungi - of all sizes and colours - especially a bright green little gem!

## NEXT OUTING

Saturday, June 22nd. Meet at the Prince at 10.a.m. We propose to explore the new Southern Outlet road which now goes right through to Huonville, to note on the way whether the route opens up possibilities on new areas for investigation by Field Nats. Then we could go on through Judbury and beyond to see what can be found along the Russel River Road.

Private Transport, and bring your thermoses etc.

## OUTINGS IN GENERAL

It would add to the variety of outings if various members of the Club would offer to lead outings.

## (Outings in General)

Sometimes a Speaker at a Club Meeting Night is able to take the outing the following weekend as a follow-up to the talk. This is not always possible and if Club Members would be willing to plan an outing - where to go and what to look for - we could have a pool of volunteers to call on when necessary.

It is the Leader's prerogative to decide which day is more convenient - Saturday or Sunday.

One doesn't have to be a "know-all" to lead an outing - although leaders with a 'specialty' are always appreciated.

It is a good idea to have a main object in view although in most Field Nat Outings, even if there is a special project, the varying tastes of members ensure that other things are noticed. The subject might be 'frogs' but birdwatchers will be sure to spot birds by the way! Likewise, even if beachwashed birds are the aim, members with a leaning to Botany will not miss the seashore flora!

Now what about it? Who will set the ball rolling by volunteering to lead an outing?

The "Acting Secretary" will be so pleased to see you!

\*\*\*\*\*

## The Huon Highway.

On re-reading the article in the Mercury, I am not sure how far the new Outlet Road goes - but at least it 'slashes' travelling time. It will be interesting to note the variety of rock exposed by blasting operations.

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

## FEDERATION OF FIELD NATURALISTS' CLUBS

At the Annual Meeting it was suggested that the next meeting be held at Goulds Country in the Traveller's Rest and make a weekend of it. An alternative place proposed was Storey's Creek. Other members besides the delegates could attend and so get to know members of other clubs, and perhaps arrange some co-operative project. The meeting of the delegates would take place at some time during the weekend. There are two queries:

## Queries.....

1. Which members from our Club would like to attend that weekend... Tentative Date-5th October.
2. Which venue would you prefer? It would be indoor camping - bring your own bedding etc and your own food.

The Federation Secretary would like this information so that the necessary arrangements can be made.

If our Club members will let me know I will write to the Federation... M.L.Westbrook.

\*\*\*\*\*

News Item from "The Sun" May 25th.

## SUN WILL HELP FIGHT BUSH FIRES.

The sun will help protect Victorian forests from fires next summer. The Forests Commission will use solar energy units to charge batteries and power forest radio stations. The units are similar to those used in U.S. space vehicles. The commission is testing the first solar unit at a station in East Gippsland. The Chairman, Dr. F.R. Moulds, said these units would provide power for many years with little attention. The solar cells in the unit turn sunlight into current to charge batteries and supply power. Because they react to visible light, power is produced and stored even when the sky is overcast. The commission's remote-control radio stations provide communications with about 500 mobile units used in fire-fighting, replanting, searches and maintenance of forest roads and recreation facilities.

\*\*\*\*\*

Item from "The Darling Downs Naturalist" June.

Toowoomba Club have recently had a "Specimen Evening" when a number of specimens, as well as slides, were brought by members. One of the exhibits was a "Gordius Worm".

Here are the notes supplied by the Exhibitor, Mrs. Batterham:-

This worm is a parasite. It lives on the internal juices of its host, which is usually a Grasshopper or a Cricket, without interfering with or injuring any of its vital organs. When mature, it emerges from its host, finds its way to water, where it mates, and the life cycle

CONSERVATION

Now that this Club is a Group Member of the Australian Conservation Foundation, we have received an envelope full of literature.

- Constitution of the A.C.F.
- List and Prices of their available publications.
- Annual Report 1972-3.
- Newsletters- April, and May.
- "Habitat" June, 1973; September 1973; March 1974.

and a little enclosed slip  
'The President and Council of the Australian Conservation Foundation welcome you as a new member and appreciate your support and interest.'

"Habitat" is an illustrated magazine of Australia-wide interest and includes an educational supplement with ideas for school projects.

Look for these papers on the table at the next meeting.

\* \* \* \* \*

LAST OUTING

There was a good turn-up of members (and cars) on Saturday June 22nd - in spite of grey skies.

The party followed the Southern Outlet Road to where it joins the Sandfly road just near Longley. We got out here and had a look around, then went on to Judbury, going through Ranelagh, and then along the Russell River Road. Lunch was had by the roadside and after lunch we followed that road as far as the Bridge. Here we parked the cars and walked along the road up the hill.

The surprise find of the day was a rare

*Pomaderris elachophylla*

which Curtis says has been found only near Longley.

We found one bush only, just by the roadside. It was about two metres high and was covered with tiny buds. Its leaves were only a few mm long.

Look for a specimen of this on the table.

\* \* \* \* \*

No. 186

Registered at G.P.O. Hobart, for transmission by post as a periodical, Category B.  
Club's Address - G.P.O. Box 68A, Hobart, 7001

NOTICE OF MEETING

The next meeting will be held in the Royal Society Room, Tasmanian Museum, on Thursday, July 18th, at 7.45.p.m.

SPEAKER

Mr. Marcus Hurburgh, who will tell us about his visit to Port Davey.

NEXT OUTING

Date - Saturday July 20th.

Meet - The Prince

Time - 10.a.m.

Transport - Private

Object - A Mystery Point - to - Point Trail -

Round trip about 60 km (or about 40 miles)

Birding - Botanisng - Growing Australian Plants - etc - etc - etc.

Bring your Thermos etc and dress according to the weather.

THAT FUNGUS - *Phytophthora cinnamoni*

As there have been several articles on this fungus in the papers lately, it might be of interest to read some information gleaned from "The Bird Observer" (Victoria).

These points apply to the mainland which is (we think) warmer than Tasmania and so is more susceptible to the growth of this plant and tree killer. What harm does it do?

Many fungi feed on dead plant or animal material and are of tremendous importance because they break down this material and recycle the nutrients. Other fungi live as parasites on live plants and animals and cause disease. The Cinnamon Fungus lives in the soil and invades, then feeds on, the fine roots of many different kinds of plant, causing root-rot. Unlike most fungal pests, which

usually have only one or a few types of host. this fungus is known to attack 728 species of plant, including more than 400 native Australian species. It is the ability to invade and kill such a wide range of plants which makes the organism of so much more concern than other introduced fungal pests.

The fine roots of a plant enable it to extract moisture and nutrients from the soil. Infected plants have difficulty in absorbing enough water through their remaining roots, particularly in summertime when the soil is dry, and so they may die.

Once the disease becomes established in a tract of bushland it kills susceptible plants, leaving only the resistant ones. Hence in some localities forests have been converted to grassland (most grasses are resistant) The severity of the attack will obviously depend on when the most abundant species in an area are resistant or susceptible, as well as drainage, water supply, climate and soil type.

The disease is particularly severe in areas which have periods of wetting and drying out. Infected sites can be rehabilitated with tolerant species, but in the short term the original vegetation cannot be restored. How does it spread?

In Victoria all fresh outbreaks have been traced to road-building and other earthmoving activities. Soil carried on vehicles, bulldozers, around potted shrubs and even on hikers' boots can transmit the disease for many miles.

Although infected plants may not begin to show symptoms until dry weather comes, the fungus grows and produces its spores most rapidly in wet or waterlogged soils and so its spread is favoured by high rainfall (particularly summer rainfall with high temperatures) Dry weather won't kill it. Spores are carried in water, so disease spreads down gullies and creeks. Spores are not transmitted through the air or on foliage.

What can I do?

1. All plants are protected in National Parks.

A plant taken back to the suburbs from a diseased site could spell a strange death to prized garden shrubs. Moreover, any soil thrown out en route in another part

of the forest could be responsible for destruction of untold acres.

2. When cars are driven on unformed roads, they frighten animals, damage vegetation, pollute the air, spread weeds, and cause soil erosion. Now there is an added reason for motorists and bike riders to remain on prepared tracks - a vehicle driven off-road could leave a trail of destruction behind it.

3. Even hikers and birdwatchers should be careful. The chances of spreading the disease from dry, firm tracks are remote, but those tramping in boggy conditions could easily transfer the disease along with the mud which cakes on their boots.

4. You can tell other people about it. Only when citizens are aware of the fungus and the problems which it poses can proper precautions be taken against it.

..... and some points from the Annual Report of the Victorian Plant Research Institute.....1972-3.

.... One approach to the control is to obtain information on the relative susceptibility of native plants, and in poorly drained soils, to grow only those which have some resistance. Therefore they continue to test many of the native plants and have lists of plants showing their resistance qualities. They have made a survey of many of the Melbourne nurseries, only two of which had the fungus - but they are continuing with this.

With this continued testing of suitable types of native plants gardeners will be able to select the more resistant species for their native gardens.

....We, in Tasmania, need not get into a panic over this- but we should keep our eyes open in case we unwittingly or irresponsibly help in some way to spread the infection.

\* \* \* \* \*

Subscriptions \* \* \* \*

ARE YOU FINANCIAL FOR 1974?????????

\* \* \* \* \*

The Education Department intends to publish a guide to community Resources for Learning and this information could be included.

(b) By Club members able and willing to give time in their own locality to liaise with schools in their area and make plans to help according to local needs.

We have, already, one offer to collate a number of slides and record a talk so that this 'show' could be given to class groups.

Now what other suggestions can be made by members willing to help with nature, and conservation education of our young citizens?

I would be glad if any suggestions could be given to me personally, or sent to the Club's G.P.O. Box No. 68A, 7001.

M.L. Westbrook.

\*\*\*\*\*

A.C.F.... The June edition of "Habitat Australia" is a Special Issue - "Man and the City". It is the first single-subject issue and it is hoped it will provoke a response to the distress of mankind locked in the urban environment. You can borrow this from the Library.

Mount Anne:-

The August issue of the H.W.C. Circular includes a reprint of a 1955 article in Tasmanian Tramp -

EARLY HISTORY OF MOUNT ANNE by Jessie Luckman.

This Circular may be borrowed from the library.

Victorian Naturalist, July, has a lovely close-up photo of the male of the Gum Emperor Moth. Look for it on the table.

Field Nats as Protectionists! (from Nat's News).

At an outing many fungi were found. Just as one very good specimen which was growing in the middle of the track was about to be photographed, a group of trail-bike riders appeared, so it became necessary to stand firm astride the fungi to protect it!

(I hope the photo was a success!)

Registered at G.P.O. Hobart, for transmission by post as a periodical, Category B.  
Club's Address - G.P.O. Box 68A, Hobart, 7001

#### NOTICE OF MEETING

The next meeting will be held in the Royal Society Room, Tasmanian Museum, on Thursday, August 15th, at 7.45.p.m.

#### SUBJECT FOR THE EVENING

Recording Nature with Film and Tape-Recorder.

#### SPEAKERS

Mr. A.M. Hewer and Mr. H.K. Aves.

#### OUTING

Date - Saturday, August 17th.

Meet - at the Prince Theatre.

Time - 10.a.m.

Transport - Private.

Where we go will depend on the weather. It will be discussed at the meeting on Thursday. It is intended that this will be a follow-on from the Thursday's Subject.

#### Library

The book "Tasmanian Birds" is now OUT and available in the shops. It has been compiled by Mr. L.E. Wall, sponsored by the Tasmanian Field Naturalists' Club and printed by Jacaranda Press.

The State Library brings out booklets listing available books on various subjects. It has one called "Between Tidemarks" - 44 books; and "Living Off the Earth" - a booklist on Organic Gardening, Health Food, Cookery, and Herbs. (109).

They are prepared in the Bibliographic Centre of the State Library (telephone 30 2418) for readers using the Hobart Lending Library and Municipal Libraries throughout the State.

Books listed are only a selection of a wide range available on these topics.

\*\*\*\*\*

OUTING July 20th

Fifteen intrepid adventurers (in seven cars) turned up at the appointed hour and place. We condensed into four cars and set off. The Trail was in seven sections - instructions being given out at the completion of each section.

The Route was first to FernTree, where half an hour was spent looking for certain things on a given list; thence down Summerleas Road to the first bridge. Owing to a wash-away of the second bridge a week earlier, we had to retrace our steps to Fern Tree, then we went down Huon Road to turn left on to a pass road through farms, to Leslie Road and to Longley. A short detour was made by some to collect specimens of Boronia rhomboidea from the hill behind the Hotel.

Next stop was a visit to Miss Essie Huxley where we had lunch - in the cars - and in sunshine! Then she showed round her garden where we saw many native plants growing, and went through her potting sheds. The sheds are full, so many of her seedlings and cuttings are arranged in sheltered spots all round the garden area.

The trail then led down the old Leslie Road to Kingston and on to Howden where we saw a flock of Cormorants. Over the Hill - to Blackman's Bay - along to the Blowhole, and we finished up, just as the elements really began to be nasty, at 25 Hazell Street, where Mrs. Stephens regaled the whole 15 of us with tea and hot scones - and a blazing fire too!

This ended a busy day which - in spite of the gloomy forebodings of the weatherman, was cheerfully enjoyed by all. The cars were a GREAT help - not only for transport, but as refuge from intermittent showers and cold winds.

Each car had a map of the area covered, together with lists - some of which were illustrated with drawings or pressed specimens to help with identification and later the lists of things found were collated. Very few birds were seen - it was definitely NOT birdwatching weather. But most of the plants on the list were seen by some member of the party. Thankyou to those who brought their cars, to Miss Essie Huxley and Mrs. Stephens, all of whom helped to make our day.

FIELD NATURALISTS AND EDUCATION

Quote from T.F.N.C. Rules:-

'The Objects of the Club shall be The encouragement of the study of nature and the conservation of flora and fauna, these objects to be promoted by periodic meetings and excursions, the formation of a library, and the publication of papers and proceedings when deemed advisable.'

You will notice that these are "outgoing" objects which can be aimed at only by PEOPLE. It is something like the old recipe for cooking a hare - first catch your hare! A Club is composed of PEOPLE. How can we make sure that we have enough PEOPLE to carry out our objects?

Members can help in three ways:-

- (a) by their financial support,
- (b) by their physical presence at meetings and outings,
- (c) by their enthusiasm and involvement in club doings.

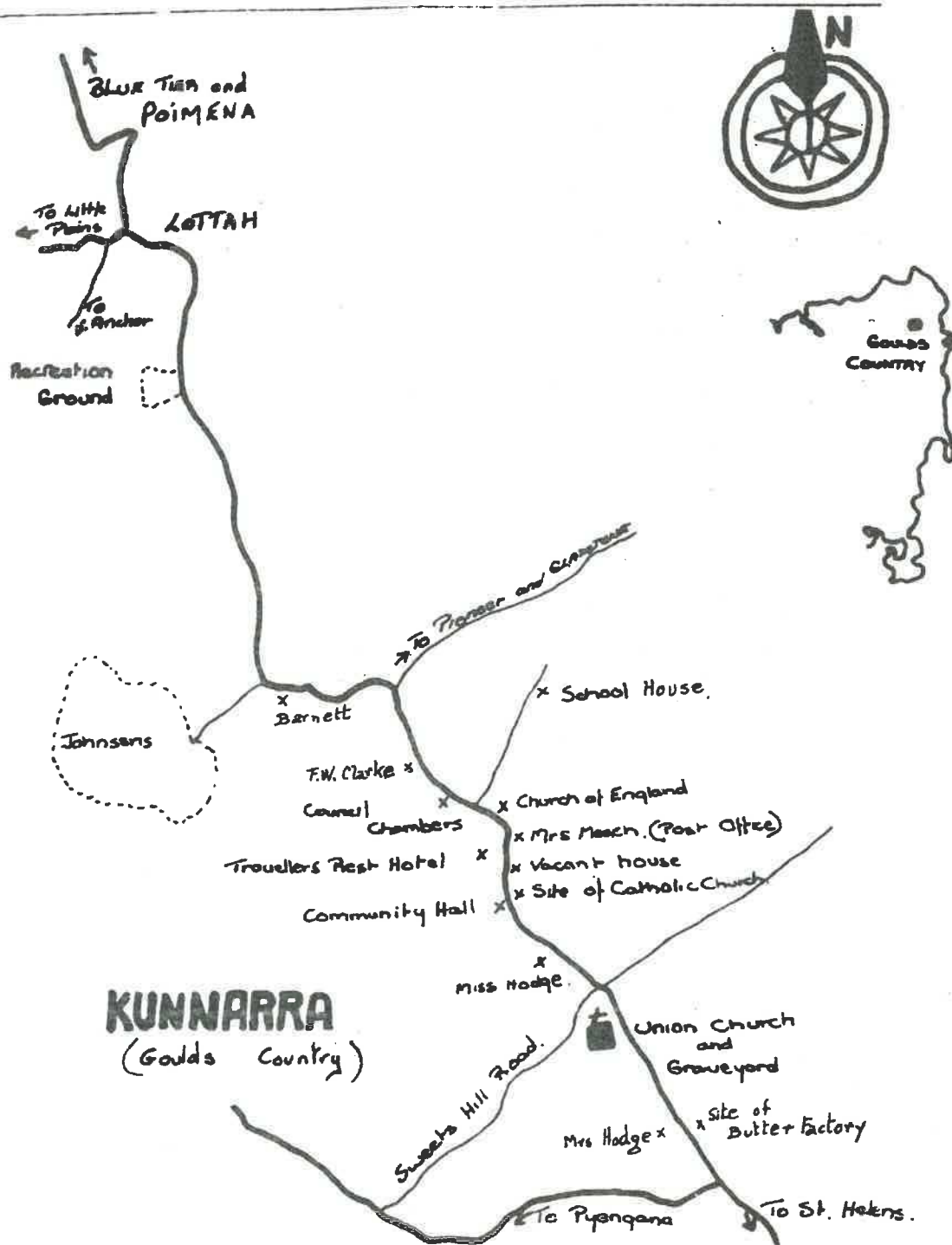
It is true, also, that to keep a club going well, it is necessary continually to recruit more members, and to keep members keen by involving as many as possible in the doings of the club.

It is very easy, and the line of least resistance - for members of the club to become complacent about the status quo. But if we want the club's work to spread and be continually more effective, it is necessary first to "catch our hare" - interest PEOPLE, first in the study of nature, and conservation, and then to encourage them to become club members who will be involved in promoting our objects.

We have at hand a readymade pool of prospective members on the young people in our schools. We have been asked AS A CLUB if we could provide expertise in our own specialist interests - both for pupils and/or teachers. Here would be a practical way for club members to "encourage others to study nature and help in conservation". Not all our contacts would become members (although many might) but we would be getting the message across.

There are ways we can help.

- (a) Our rules allow for Junior, Senior and Group membership. We could see that schools have information on applying for membership and that membership includes meetings and outings.



September. 1974.

TASMANIAN FIELD NATURALISTS' CLUB  
BULLETIN

No. 188 Page 1

Registered at G.P.O. Hobart, for transmission by post  
as a periodical, Category B.

President:- Mr. A.M.Hewer. Hon. Sec. Miss M.L.Westbrook.

Club's address - G.P.O. Box 68A, Hobart, 7001.

**NOTICE OF MEETING**  
The next meeting will be held in the Royal Society Room, Tasmanian Museum, on Thursday, September 19th at 7.45.p.m. Visitors welcome.

**SPEAKER**  
Dr. Eric Guiler.

**SUBJECT**  
His recent travels in Africa.

**OUTING**  
Date - (note) Sunday, Sep. 22nd.  
Meet - at the Prince Theatre,  
Time - 10.a.m.  
Transport - Private.

The present intention is to go to Adamson's Falls. Last minute information at the Thursday meeting.

**LIBRARY**  
Among other publications received -  
"The Ring" No. 77. - This is the International Ornithological Bulletin - published in Poland - but written in English. Articles on 'Bird Stations' (Swedish), Bird Ringing, Longevity Records, etc.  
"Proceedings of the Royal Society of Queensland, Vol. 85 - Articles on Corals, Fossils, Rocks at Mary Kathleen, Bees in remote areas of Australia, and four on the A.N.Z.A.A.S. Symposium on Man and the City, environment, social needs etc.  
Adult Education Board - Spring Programme.  
- includes another Museum Activity - 'To Catch a Whale'. Limit 15 people or five family groups - Sat. and Sun. Nov. 9 and 10. 9.a.m.-5.p.m. and an opportunity to help create and install a new display!  
- Tea and coffee provided. Children especially welcome in family parties.....

Plans for November.

We plan to have a bus outing to Tahune Forest Reserve. As this should be a good area for birds, the Bird Observers Club of Tasmania will provide a speaker on the previous Thursday and then direct the bus outing.

Miss F.E. Warren will arrange the bus.

If you would like to make sure a seat is available, you could book with her. The October Bulletin will have forms with the latest information as to times and fares and we hope these will be forwarded, with the required money, on or before the October meeting on October 17th.

Miss F.E. Warren, Phone - 346740  
Flat 75, Block 8. (before 10.p.m.)  
131 Hill Street,  
West Hobart.

\*\*\*\*\*

FEDERATION OF FIELD NATURALISTS' CLUBS  
of Tasmania.

The first weekend in October has been booked at the Travellers' Rest, Gould's Country, for a Get-together Indoor Camp.

It is hoped that there will be some members from each Club there so that we can get to know each other and discuss common interests. At some time during the weekend the delegates will have their meeting.

We have received a brochure on this area - items of historical information, and a map. The cost will be \$1.00 per person. You will need to bring sleeping bag and food for the weekend.

Look for this pamphlet on the table.

\*\*\*\*\*

The half-yearly meeting is to be held on Saturday October 5th, at the Travellers Rest Hotel, Goulds Country, at 2.p.m. Observers are welcome.

\*\*\*\*\*

Please book your place with Mrs. B.M. Rees, 101 Leven St. Ulverstone, 7315. Tel. 31 2439.

\*\*\*\*\*

THE TRAVELLERS REST

In pre-television days, the hotel was the centre of social activity, particularly in the small mining towns of N.E. Tasmania. Goulds Country was no exception.

The first hotel was built on 1900 by William Trowbridge, but this hotel ceased to be, in the raging fires which swept it away in 1910.

However, in the usual spirit of country folk, there was soon another public house. This one they named 'The Travellers Rest'. It has weathered sixty years of rain, sun, and dust and stands as an example and a memorial to all of us.

It has long since lost its licence and where once ran beer now runs fanta and coke. Where once hung hats now hang relics of an age past. Where once the weary elbows rested on the bar so long ago, now stands the chips, twisties, and peanuts of a modern age.

Despite these modern innovations in 'The Travellers Rest' you can still step into the past.

GOULDS COUNTRY

Goulds Country was discovered in the 1860's by a famous geologist, Charles Gould.

The actual township was originally known as Kunarra and was contained in Goulds Country, in the County of Dorset, the Police District of Portland, and the Fingal Electorate.

In 1900 it had a population of 400 and was increasing rapidly. There was a telegraph office, a school, churches, council chambers, court, savings bank, hotel and public hall.

Goulds Country was well known for its dairy produce and the rapidly expanding workings at the tin lodes nearby.

Of great interest to children attending Sunday School were the Chinese rituals which took place every Sunday around the graves of Chinese dead buried in the Union Church graveyard.

\*\*\*\*\*



NOVEMBER BUS OUTING

Date - Saturday, November 23rd.  
 Meet - Prince Theatre.  
 Time - to leave at 9.30.a.m.  
 Return - between 5 and 5.30.p.m.  
 Destination - Tahune Forest Reserve.  
 Leader - Member of B.O.A.T.  
 Cost - Adults \$3.00. Some free seats for Juniors.  
 \*\*\*\*\*

Please fill in this form and send, with money, to

Miss F.E.Warren  
 Flat 75, Block 8.  
 131 Hill Street  
 West Hobart. 7000

ON or BEFORE

Club meeting, October 17th.  
 \*\*\*\*\*

Please reserve seats for \_\_\_\_\_ adults; \_\_\_\_\_ Juniors.

Enclosed \$ \_\_\_\_\_

Names of participants:-

Adults

Juniors

Signed \_\_\_\_\_

Date \_\_\_\_\_

Remarks (if any!)

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 Club's Address:- G.P.O. Box 68A, Hobart. 7001.

NOTICE OF MEETING

The next meeting will be held in the Royal Society  
 Room, Tasmanian Museum, on Thursday, October 17th.  
 at 7.45.p.m.

SPEAKER

Mr. H. Boss-Walker.

SUBJECT

Friendship with Birds.  
 This talk will include the showing of many of his  
 slides taken of Fern Tree birds.

NEXT OUTING

Date - Saturday Oct. 19th  
 Destination - Adamson's Falls.  
 Meet - Prince Theatre.  
 Time - note..... 8.30.a.m.  
 Transport - Private.

As the Falls are somewhere in the vicinity of  
 Hastings Caves, an early start is essential. There  
 will be some walking in from the road, so be  
 prepared to carry your lunch.

LIBRARY

Among publications received -  
S.Aus. Naturalist - it seems they, too, have a  
 'Flinders Island' and it has had an endemic wallaby-  
 although they are hoping it is not extinct and that  
 intending care of the remaining scrub lands will  
 encourage its survival, if, indeed, there is still  
 a colony in existence.  
National Parks and Wildlife Report year ended  
 June, 1973.

Brochure - "Environmental Conservation."

Quote - 'The international Journal devoted to main-  
 taining global viability through exposing and count-  
 ering environmental deterioration resulting from  
 human population pressure and unwise technology.'  
 Quarterly journal, published in Switzerland.  
 Sub. 1974 - approx. U.S. \$41.

COMMITTEE NOTES

Your Committee met on Monday, October 2nd and dealt with the following matters:-  
 Much correspondence; financial matters; membership- (welcome to Mr. and Mrs. Williams, Lindisfarne); Subs to Tas. Naturalist; items from the Tas. Envir't Centre; congratulations to Club re publication of Tasmanian Birds; the November Bus Outing; and programme for therest of this year and the early 1975. Also, suggestions for Easter Camp, 1975. The evening concluded with a 'cuppa and chat'.

The next committee meeting will be on  
 Wednesday, December 4th.

Owing to high cost of postage, NO NOTICES will be sent - please put this date in your diary NOW and determine to be there for the last meeting, 1974  
 \*\*\*\*\*

INVITATION

The Launceston Field Naturalists are having a weekend at Weymouth, Nov. 2,3,4. (The North have a Monday holiday!) There is plenty of room in the shearing shed at McLoughlin's (Tam-o'-shanter), and Tasmanian Field Nats members would be welcome.  
 \*\*\*\*\*

(Those going will need to bring all sleeping gear, food etc.etc.).  
 \*\*\*\*\*

Federation of Field Naturalists' Clubs....

Three members of this Club expect to attend the camp at Gould's Country, and the meeting which will be held at 2.p.m. on the Saturday.  
 \*\*\*\*\*

Following Dr. Guiler's slides of African animals, a member has sent in a press item on GNUS.....  
 The information comes from Kenya, where the gnu - or wildebeast - migrate out of Tanzania's Serengeti national park, across the border into Kenya, looking for new pastures. Where they see a sign of rain in the distance, they start to move towards it. But this year, because of the unusual rain pattern they have started moving towards Kenya too early.

Then they see rain where they came from and start to go back again.

There are hundreds of thousands of gnu on the move. From the air the migration of the herds is indeed a fantastic sight. Across the plains of Serengeti and Seronera one can see vast black patches of animals connected by single threads like black string. These 'strings' are nose-to-tail files of wildebeast trotting from one gathering area into the next.

At Kenya's famous Keekoroko game lodge the influx provided a bumper bonus for animal watchers and photographers. The herds have filed right past the lodge within a few yards. Guests were able to sit on the verandah and see the parade go by.

Then, because of the confused weather, the animals have trotted back again for a repeat performance.

\*\*\*\*\*

(This item came from Michael Malik, of Reuter, Keekoroko, Kenya.)

\*\*\*\*\*

TURN OVER FOR BUS INFORMATION AND BOOKING FORM  
 \*\*\*\*\*

ADULT EDUCATION BOARD - weekend at The Grange -

Several members of this Club attended this weekend which was organised by Burnie A.E.B. and led by Mr. M.S.R. Sharland. Mr. John Simmons showed many of his nature slides on the Saturday evening, and during the day trips were made to various places round Campbell Town. About 47 different birds were spotted in the two days - quite a good score and this added plenty of interest and improved the knowledge of us all. This was really a gathering of 'like-minded' people from various parts of Tasmania and it was good to get to know other enthusiasts.

Perhaps there will be another weekend of this kind next year?.... very worthwhile.  
 \*\*\*\*\*

TASMANIAN FIELD NATURALISTS' CLUB  
 No. 190 BULLETIN November 1974.  
 Registered at G.P.O. Hobart, for transmission by post  
 as a periodical, Category B.  
 President - Mr. A.M.Hewer. Hon. Sec. Miss M.L.Westbrook  
 Treasurer - Miss D.N.Wise  
 Club's Address - G.P.O. Box 68A, Hobart, 7001

## NOTICE OF MEETING

The next meeting will be held in the Royal Society Room, Tasmanian Museum, on Thursday, November 21st at 7.45.p.m.

## SPEAKER

Mr. L. E. Wall

## SUBJECT

Birds of the Tahune and Hartz Reserves.

## BUS OUTING

Date - Saturday Nov. 23rd.

Destination - Tahune and Hartz Reserves.

Meet - Prince Theatre

Time - NOTE - 9.30 a.m. - LEAVE.

Return - between 5 and 5.30 p.m.

Leader - Mr. D.G.Thomas. President of B.O.A.T.

Cost - Adults \$3.00. Some free seats for Juniors.

There could be a few seats available. If you find you can go, get in touch with Miss Warren either at 232033 (day) or 346740 (before 10.p.m.) ... you might be lucky!

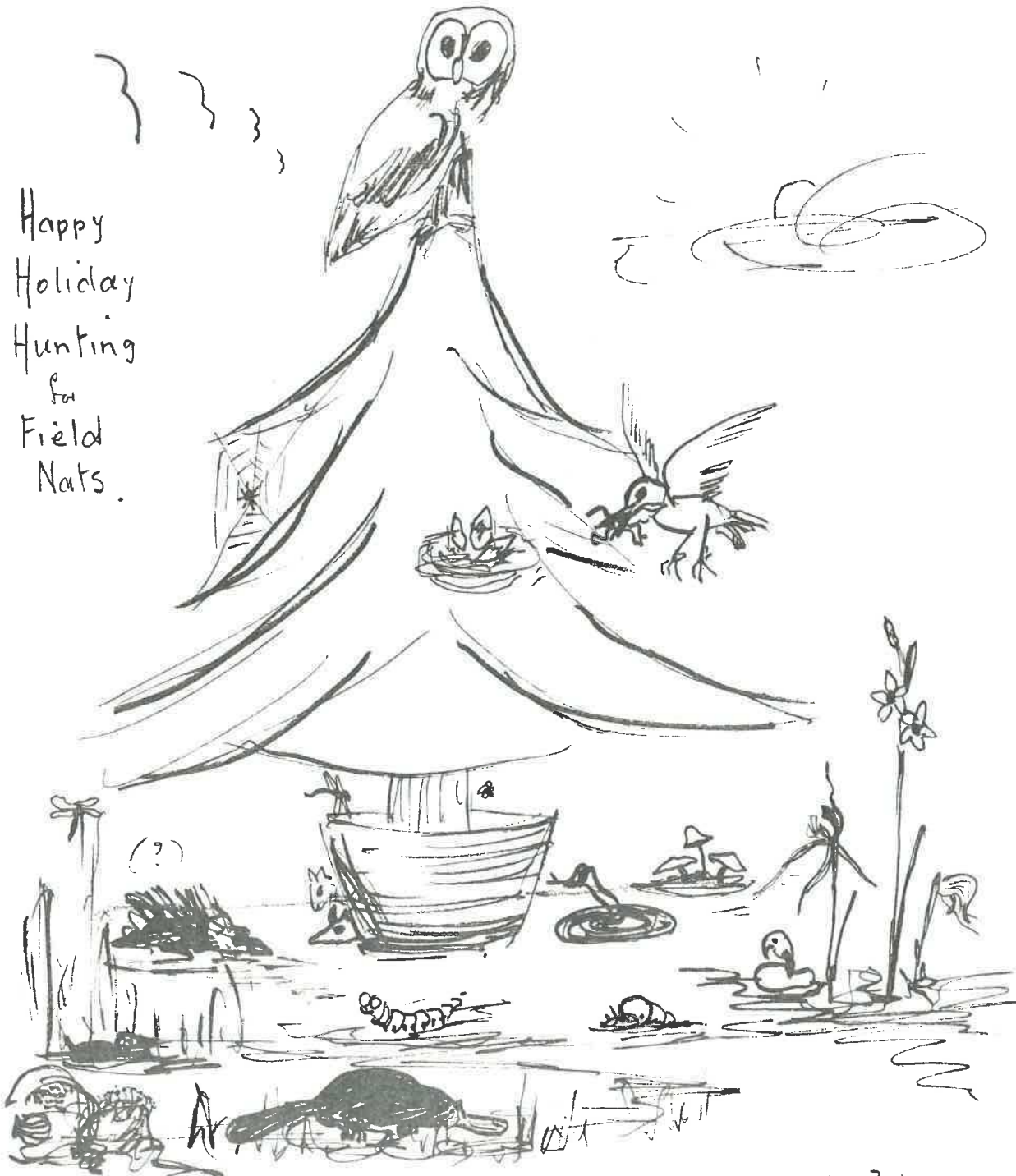
SHORT TALK at the meeting - Miss Holt has some slides for us.

## LIBRARY

Will all those who have Library Books out please remember to return them at this November meeting?

Thankyou!

This will be the last Bulletin for this year.  
 Next Bulletin - February, 1975.



(Who says pine plantations are ecological deserts?)

BONESEED

*Chrysanthemoides monilifera*.

(was formerly *Osteospermum moniliferum*)

Curtis.. page 373, says - a shrub 1-2m. high with spreading branches... Introduced; garden-escape, naturalised. Native in S. Africa.

In Victoria it is listed as a noxious weed. The seeds are hard and persistent. The Victorian Field Nats and the Bird Observers Club have working bees of members who spend hours pulling up young boneseeds in some of the Reserves. The plants are very invasive and could crowd out our native vegetation.



Devonport Field Nats have found it at Sulphur Creek, and at Blythe Heads. It can be seen in some of Hobart's gardens and there is a big patch on the N.Western side of the Domain. There is quite a lot around the roads at Bicheno, and among the boulders of their 'lookout' hill.

SHOULD WE NOT HAVE THIS DECLARED as a noxious weed in Tasmania before it gets away from us?

\*\*\*\*\*

Ecology Action

..is a national organisation formed by people wanting to take action to prevent irreversible destruction of life on earth. Members come from a broad cross-section of the community. It is organising to take action through legal and political systems to prevent where possible further environmental breakdown. It is assisted by some of Australia's leading scientists and experts and co-operates with organisations such as The National Trust of Australia, INSPECT, ZPR, and Social Responsibility in Science to deal with issues of joint interest, and with a number of conservation and wildlife bodies.

A membership application form is available.

\*\*\*\*\*

Royal Society - Symposium on  
Resources of the Sea.

Several Field Nats members attended this Symposium which was held recently at Bicheno. Besides the most stimulating lectures, there was an outing on the Sunday afternoon to places north of Bicheno, and on Monday, a day trip to Maria Island.

During our walks by the seacoast the geologists were intrigued with the granite and other intrusions easily seen along the rocks, the 'birdos' noted the dotterels and a sea-eagle (among other birds), and the botanists found plenty of interest in the east-coast flora.

On Maria, we delved into history in the morning and in the afternoon continued this by looking over the old limekilns, and then climbing down to the old workings where the rocks were a mass of fossils.

While a group of us were listening to Mr. Banks explaining the fossils, we were startled by a fierce scolding coming from under the big boulder we were inspecting. -- By going down on our knees we discovered a very perturbed mother penguin protesting violently at our presence!

We were each given a very comprehensive booklet, on Maria Island, compiled by N.P. and W.L. Service.

\*\*\*\*\*

From Burnie Newsletter:-

A party visiting Rocky Cape found 20 different types of orchids in flower, and 9 others in leaf... that must have been a wonderful day!

\*\*\*\*\*

The same Newsletter included a most comprehensive account of their investigations into the animal life in pine forests. They have been to several different areas and compared re-growth eucalypt areas as well as the pines.

\*\*\*\*\*

A.C.F. Newsletter:- includes interesting brochure on new publication by the Victorian Parks Association - 'The Alps at the Crossroads' The theme is that the conservation of the high country is best realised in the creation of a large contiguous Alpine National Park. Gives history of early days exploration, settlement, grazing, gold rushes, land management, growth of adventure recreation, alpine environment and suggestions for future.