

BULLETIN

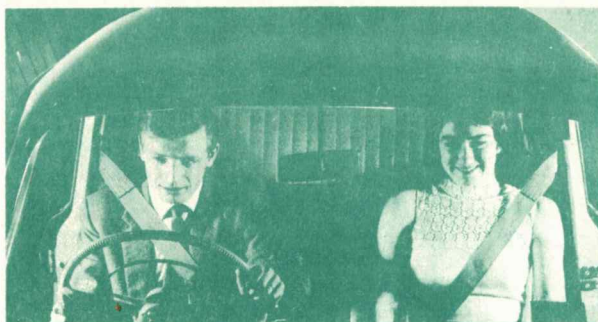


JULY 64

**FIT
REPCO'S
BIG**



REPCO IS YOUR ASSURANCE OF TOP QUALITY ENGINE COMPONENTS



get into
the
safety habit . . .
fit
Britax

Britax

The Britax Safety Belt fits diagonally across the body, anchoring the wearer firmly in the seat to prevent 'jack-knifing' against the windscreen, whiplash during collision, or being thrown out of the car. *Britax Safety Belts are available from all garages and service stations. Trade enquiries to all leading automotive wholesalers. Britax is made in N.Z. under licence by John Edward Butler Ltd., 80 Albert St., Auckland, and manufactured to the N.Z. Standards Specification 1662 under licence No. 1254.*

BB.8

STEERING SPECIALISTS

(ALAN BARKER)

WHEEL ALIGNING



WHEEL BALANCING

Complete Front Suspension and Steering Service

AUTHORISED AGENT

ROTOFLO & TELEFLO

10% Discount to Club Members

SHOCK ABSORBERS

PHONE 52-221

326 - 328 BROADWAY NEWMARKET

AUCKLAND CAR CLUB (Inc.)

BOX 2591

AUCKLAND

Executive:

J U L Y 1964

President

E.Mallard.

V. Presidents

T.Lothian, J.Waygood.

Secretary

G.McKinstry.

Club Captain

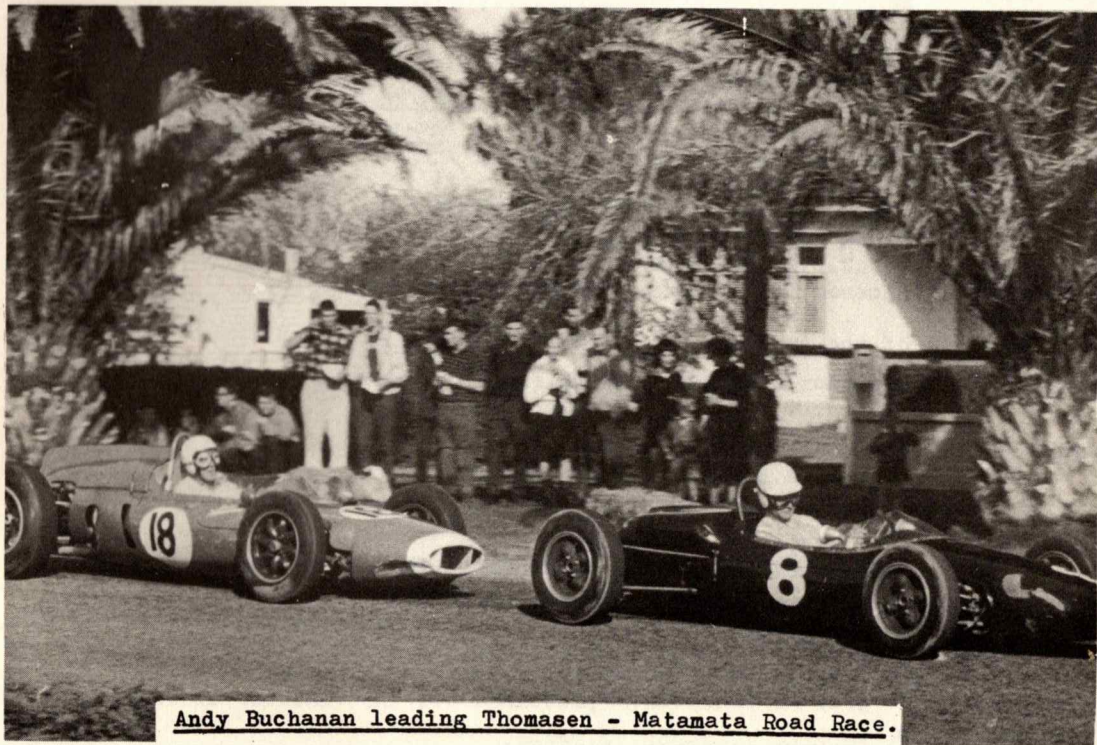
L.Rankin.

V.Club Captain

P.Parkin.

Committee

H.M.Anderson, J.Bernard, I.S.Cranch,
R.Middleton, T.Molloy, N.Long,
A.P.Thompson, B.Webber, P.Jukes, M.Owen,
M.Lawson, B.Hamilton.



Andy Buchanan leading Thomasen - Matamata Road Race.

SPORTSMAN'S



CALENDAR

Auckland Car Club Events

2nd July	Checkers Meeting
4-5th July	Hepolite Gold Star Trial
15th July	Club Night Epsom R.S.A. Hall
18th July	Night Trial
25th July	Hepolite Ball
9th August	Light Car Trial
16th August	Hamilton v. A.C.C. Football Match
19th August	Club Night Epsom R.S.A. Hall
6th Sept.	Hillclimb A.C.C.

Invitation and Open Events

4-5th July	Hepolite Gold Star Trial A.C.C.
11th July	Motorways 6 Hr. Trial Sth. Taranaki Car Club
12th July	Bent Sprint Ardmore A.U.C.C. - <u>19th July if wet.</u>
25th July	Hepolite Ball Peter Pan Cabaret A.C.C.
2nd August	Daylight Rally A.U.C.C.
8-9th August	Thames Valley 15 Hr. Trial T.V.C.C.
9th August	Light Car Trial A.C.C.
22nd August	A.N.Z.C.C. Conference
4-5th Sept.	Blossom Rally Hawkes Bay Car Club

Sub Committees of the Auckland Car Club

Social: Chairman - Mr. E. Lothian.
Messrs. T. Molloy, J. Waygood, J. Bernard, J. Thompson.

Trials: Chairman - Mr. B. Webber.
Messrs. A. Barker, A. Thompson, P. Jukes, M. Lawson,
F. Hansford, B. Hamilton.

Speed: Chairman - Mr. L. Rankin.
Messrs. P. Parkin, H. Anderson, I. Chalmers, M. Owen,
L. Powell, I. Cranch, N. Long.

Hepolite Trial Sub-Committee:

Chairman - Mr. P. Jukes.
Messrs. A. Thompson, T. Lothian.

Bulletin: P. Parkin, I. Cranch, B. Dewar.



COMING EVENTS

CLUB NIGHT

Wednesday 15th July Epsom R.S.A. Hall

Manukau Rd., Just past Green Lane Lights.

Address - Films - Supper and Social Hour. Cubicle reservations for
Hepolite Ball open.

NIGHT TRIAL

Saturday 18th July, Closed Club.

Start at Papatoe Hotel Parking Area. 1st Car 7 p.m. Entries at Start.
No maps or number boards required. Sealed clock necessary. Duration not
more than 2½ hrs. This will be a simple straight forward trial. Your
grandmother will be able to get you around this one. Checks required.
Please 'phone plotter : Barry Webber 'Ph: 20.044 (Bus.)

HEPOLITE BALL

Saturday 25th July, Peter Pan Cabaret

See separate sheet.

DAYLIGHT RALLY

Sunday 2nd August, Auckland University Car Club

"Dear Sir, This is to cordially invite your members to compete in
this year's Daylight Rally on August 2nd. The start is in Rogers Rd.,
off Great South Rd., about 1½ miles south of Papakura. First car away
10 a.m. The route covers 170 miles, and is timed to take 6 hours. 50%
of the course is tarseal, the rest smooth gravel, the idea being to test crews
rather than cars. The timekeeping will be rally type, specifying distance
and time for each sub-section."

***** 3

LIGHT CAR TRIAL
Sunday 9th August, Invitation Under 1200 c.c.

Start Cornwall Park Rose Garden 9.45 a.m. Finish Associated Engineering.
No number boards required. Sealed clock - The Auckland A.A. Local
Tours Map required. Bring your lunch for 30 minute lunch break.

Trophies for 1st, 2nd 3rd Teams and Best Timekeeper.

FOOTBALL MATCH

Sunday 16th August, Hamilton C.C. v. Auckland Car Club

To be played at Hamilton. Jerseys supplied. Boots and players wanted.
Further details next month's Bulletin.

BLOSSOM RALLY

Hawkes Bay C. C. 4-5th Sept.

This event is run to coincide with the Hastings Blossom Festival. A 300
mile Rally of 12 hrs. duration starting at Palmerston North, Taupo and
Wairoa. Rally to Hastings to start 200 miles of Trial Section. Application
is being made for Gold Star Status for 1965 Season.

Entry forms obtainable from Hawkes Bay Car Club.P.O. Box 323, Hastings.

THIS IS THE LAST BULLETIN FOR UNFINANCIAL MEMBERS SO SEND YOUR £2 IF
YOU WANT TO READ THE LATEST NEWS.

We hope to have a Mud Trial in late July or early August - watch 8 o'clock
for details.

HEPOLITE — TO ACHIEVE BETTER ACCELERATION.

New Members

A welcome is extended to the following new members :

R. Preston	Mt. Albert	Morgan
D.A. Wilson	Paparoa	Buckler
O.J. Newbegin	Mt. Albert	Healey
W.M.D. Thompson	Mt. Eden	Mini
S.B. Down	Sandringham	Singer Le Mans
L.G. Raven	Greenlane	Morris/Willys
N.A. Sharp	Mairangi Bay	Most
J.D.G. Dexter	Panmure	Holden
R.F. Waller	Glen Innes	Holden
D.A. Parker	Papakura	--
E. Gracie	New Lynn	Vauxhall
D. Pocock	New Lynn	Ford
F. Waterfield	New Lynn	M.G.Midget
P. Schenker	New Lynn	Morris
Katherine Jesson	Papatoetoe	Morris Minor
A. McIntyre	Mt. Wellington	Hillman
P. Jurisich	Kingsland	Morris Mini
T. Mihhelson	Te Papapa	--
Shirley Dent	Birkenhead	Hillman
G. Johnston	Papakura	Mini Morris

Complete engine reconditioning
Bearings remetalled and linebored
Crankshaft remetalting and grinding
Cylinder boring and honing
Specialists in camshaft grinding

for the expert attention your motor needs

City Automotive Rebuilds Ltd.

PRECISION AUTOMOTIVE ENGINEERS

17 SALE STREET, AUCKLAND C.1 .: PHONES 20-871, 21-390

IMPRESSIONS OF THE CASTROL RALLY

Well here we are at the Farmers' Car Park all jacked up and ready to go - Thermos cans full thats the main thing. Wonder why that man on the loudspeaker keeps saying it will be cold where they're going.

Check our clock against the master clock, when they finally stop playing with it we are organized.

Off we go, first instruction, turn right, oops! nearly forgot the hand signal Ha! Ha! rest of the crew don't laugh. This is a piece of cake, straight to the Chateau no checks only Highway numbers, official distance and two average speeds. Wish all trials were as simple as this. Duly arrive at Chateau at least 30 minutes early, told the co-driver to slow down, rather chilly waiting in front of the Control Car to clock in. See the Wellington cars leaving, someone times them at minute intervals - causes a small stir. Time we clock in etc., gives us about ten minutes to gas up and eat. Flow of cars stops, Panic stops.

Hurrah! time's up. Timekeeper gets crafty and calculating elapsed trial time from Auckland to four decimal places, giving us five hours 29 minutes 17 secs. - find out later correct time is 5 hours 30 minutes, oh well, what's 43 seconds anyway.

Clock in on the dot. Control looks colder than us if that's possible. Up to the garage - man tells us temperature has dropped 15 degrees in last half hour, don't argue with him. Into the Bistro for tea. Some familiar faces are see, Mart Lawson, Brian Silk, Don Hadfield, Ivy Stephenson, and there in the corner trying to look like a cup of coffee, James (Crash) Bond.

Manage to swindle extra helping of curry and rice without paying for it. Icecream seems warm.

Out into the cold again, what's that stuff on the roof, well! well! it's ice. Check in and we're off with a hiss and roar, more or less.

Instructions going well until we get a turn at a certain distance - voice from back says "This mile is taking a long time" Silence - another voice says "The speedo's stopped". This is followed by several sentences all round, brief and to the point. Screw cable back on (with pliers this time) and guess turn. Oh! Oh! this "Road" doesn't look too good. A Matilda tank would shy at this. A rimu tree of at least six feet in girth takes the place of the road. Back out gingerly and try again.

Instructions warn us of "Fairly Rough Roads", that's the understatement of the year, fancy calling them roads anyway. Press on until, welcome sight, a check. Knowing there's no "come on" jobs now is a relief at times like these. Oops! where's that acute right, were in a clay pit. More brief sentences, motor back and luckily pick it up, right on top of check. Crafty so and so's.

Eventually to Tokaanu. Co-driver gets back from Check to say we've been lumbered for I.P. Didn't see the damn garage. More brief sentences,

and on to Taupo.

From Taupo by very devious means to Rotorua thick fog, co-drivers turn to curse! He's driving and his eyes are now out on stalks. Pass through the "City of Mokai", are they being funny? No! there's the notice. That was a crafty second bear left. Quick, off with the lights, see three cars roar past in a blaze of light, still looking for the first bear left, wait, lights on, sneak into Check and away, feeling smug.

Fun and games looking for Nicholson Road. Find Nicholsons Road which is next instruction. Cars milling about everywhere. Wonder what the locals think. Stagger into Rotorua just a little late - Boy we thought the Chateau was cold, but Rotorua has a wind as well. Fix fuse for interior lights which gave up the ghost at Atiamuri. We're in business again. Notice that in transit from Stove to Mouth, Hamburger has gone cold - no matter, not feeling any pain at all now.

And so through devious means again to Kati Kati. Getting light and what's that thing sticking up. Well! well! it's the 'Mount' at least we know roughly where we are.

Navigator is back on his Lands and Survey maps now and is quite cocky.

Through the Athenree Gorge, with several dirty little straight aheads to a very cunning map ready section. Round and round in circles using the same road twice. Cars coming, cars going. Nobody smiling through their whiskers.

Then Paeroa for breakfast. Stretch the legs, etc., and off again into familiar ground. Bah! caught again. What a heck of a time to pull that one. Bombay Hills and a familiar little horror section. Fairly dry luckily.

Warned at Drury of Radar in Remuera Road, forgotten all about those things and so to Freyberg Wharf, last card, last check, sighs of relief all round.

Watch braking and acceleration, see another Zephyr III scatter about three cones in a row. Decide Zephyrs aren't made for this sought of think! Plead tiredness and sneak away to scrutineering and home.

Thoughts next day, when numbness wore off. Damn good trial (sorry Rally) (sorry Rallye), well organized, lots of work, good instructions. Even if print was a bit small. Any mistakes made were our own darn fault. Only criticism meals en route not too hot.

Back next year!!!!!!! more than probably.

'CAR 60'

John Thompson.



MANAWATU CAR CLUB INC.

P.O. Box 542,
PALMERSTON NORTH.

The Secretary,
Motor Racing Drivers Club,
CHRISTCHURCH.

SALOON CAR REGULATIONS AS PROPOSED BY MOTOR RACING
DRIVERS CLUB.

Dear Sir,

This Club is of the opinion that the proposed Regulations for Saloon Cars as set out by the Motor Racing Drivers Club are most unsuitable for adoption in this country at the present time, and we do not intend to run under these regulations.

Further, we know it is not - repeat not - the wish of the majority of the drivers, as a recent questionnaire to drivers by our Club proves beyond doubt. Drivers, with few exceptions, favoured the past year's regulations, but were of the opinion that the regulations should have been fully enforced, and not altered to suit one or two possible competitors.

Our reasons for not supporting these proposed regulations are as follows :

1. Series Production Races are a poor public spectacle.
2. Series Production Races, in most centres, are poorly supported.
3. Most Club members of the competitive type, fit at least twin carb and anti-roll bars and are therefore not eligible for Series Production.
4. Why should the promoters of races worry about the trade, who are only showing an interest in the sport now that it has built up to an advertising medium of some value. The trade is only interested in the returns the trade is receiving - not in the SPORT.
5. We do not agree that Coopers and Lotus Cortina should be excluded because we already have the rule that 1000 cars must be built to conform with these regulations. Further, these cars have been recognised as touring cars by R.A.C.
6. Is it the intention to bar various cars from time to time on the score of performance ? What about the Fiat 1500, Allardettes 1500 ?
7. Who will define, here in New Zealand, what manufacturer has built 1000 cars ?

ALLCOMERS :

1. ALLCOMERS means - according to these rules, virtually everyone not with a standard car.

2. ALLCOMERS could, and does, according to these regulations, mean Ferraris with hard tops as run in Australia in the past few years.
3. ALLCOMERS will rapidly lose public appeal as cars get cut up to look like a stock car on the speedway.

We believe that the appeal for saloon car racing lies in the fact that the modified cars as raced in the North Island give spectators a personal interest in the race, because they look just alike the cars they own and that is the main reason for the public interest in saloon cars, and why they prefer them to racing cars.

We have proved beyond doubt that Saloon car regulations fell down because, in the main, scrutineers did not interpret correctly the Supplementary Regulations issued by Clubs.

We believe the main bone of contention in Saloon Racing has been that Clubs have not rigidly enforced the present regulations, but have acceded to the wishes of a few to the detriment of the rest of the entrants, who obeyed their Supplementary Regulations.

This Club is prepared to consider Group 2 racing and Allcomers and we feel that Series Production races should be left to promoters to run these races if they see fit.

We are also of the opinion that the ultimate of Saloon car racing is as laid down in R.A.C. Regulations Appendix J. This would lead to conformity with overseas conditions. However, we realise that these conditions cannot, for various reasons, be accepted this year, but feel that the A.N.Z.C.C. should be asked to consider them for the 1965-66 season, or possibly the following year. This would give competitors, or prospective competitors, every chance to prepare for the change.

For this year, at least, this Club is in favour of the regulations - with slight modifications - as proposed by Mr. R. Frost, being introduced.

We recognise the need for A.N.Z.C.C. scrutineers to see that any Supplementary Regulations are rigidly enforced and competitors who deliberately flout them - as was the case last year - must be disciplined.

We know of a few competitors who have raced without starter motors operating, of wrongly entered c.c. ratings on entry forms, and have actually seen competitors remove component parts after scrutineering, and race in defiance of the Regulations. We feel the sooner this sort of thing is stopped the less trouble promoting Clubs are going to have policing the present regulations.

In conclusion, we know that if a census of opinion was taken from those who race saloon car, the overwhelming majority would want last season's regulations enforced. We cannot feel that the majority of competitors in saloon car racing in this country are adequately represented by the Motor Racing Drivers Club.

Yours faithfully,

A.S. Farland.
President. Manawatu Car Club Inc.

J. FENTON

PHONE 4745 OTAHUHU

492 GREAT SOUTH ROAD, OTAHUHU

PANELBEATING

CHASSIS STRAIGHTENING

MOTOR PAINTING

We Specialize in Major Smash Work

and also

Make or Panel Sports and Racing Type Bodies, Hardtops

P & R MOTORS (Papakura) LTD

GREAT SOUTH ROAD, PAPAKURA.

PHONE 89

Buyers and Sellers of Quality Cars

Call and discuss your Car

Requirements with us

PAUL FAHEY
7746, MANUREWA

RALPH EMSON
557-242

FERRY TYRE SERVICE

(Propr.: TOM HASLIP – A Club Member)

9 LITTLE QUEEN STREET. TELEPHONE 42-282

Also HASLIPS' TYRE SERVICES

524 ELLERSLIE - PANMURE HIGHWAY

(Opp. Trust Hotel). TELEPHONE 579-380

LET ME INSPECT IT BEFORE YOU DISCARD IT

PRICES REASONABLE

WORKMANSHIP GUARANTEED

CLUB MEMBERS !

FOR A TOP QUALITY CAR UPHOLSTERY SERVICE

- ★ *Toneau Covers* ★ *Seat Covers* ★ *Safety Belts*
- ★ *Sports Car Tops* ★ *Headlinings* ★ *Lounge Suites*
- ★ *Caravan and Boat Squabs*

Contact

OTARA MOTOR TRIMMERS

The Quality Car Upholsterers

701 GT. SOUTH ROAD, OTAHUHU (Opp. FOODTOWN SUPERMARKET)

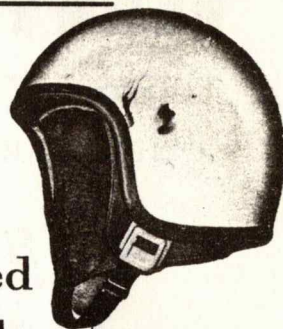
Telephone 65244 Otahuhu

(YOUR MEMBERSHIP CARD GIVES YOU 10% DISCOUNT)

Have YOU an approved helmet?

LATEST CLUB RULES REQUIRE
HELMETS BEARING NZSS 1214
OR BS 1869 NUMBERS

A full range of fully approved
helmets from £7-17-6 available at



JOHN DALE LTD

—525-529 KARANGAHAPE ROAD, AUCKLAND—

PHONE 20-855

HERE ARE THE BOOKS YOU NEED!

TECHNICAL BOOKS LTD FOR CAR MANUALS

N.Z.'s LARGEST STOCK
OF WORKSHOP
MANUALS FOR ALL
CURRENT MAKES
AND MODELS
JUST SEND £2, STATE
MAKE AND MODEL,
WE WILL POST YOU
THE CORRECT
MANUAL AND
REFUND OR DEBIT
ANY BALANCE.

Satisfaction guaranteed
or money refunded in full.

FOR THE ENTHUSIAST

"Motor Service's"
AUTOMOTIVE ENCYCLOPEDIA
Latest edition of the famous old
"Dykes" — the most popular,
clear, illustrated manual for
mechanics. 105/-.

1964 "Motor's" AUTO REPAIR
MANUAL. Just arrived. All
American cars for 10 years back.
170/-.

(Some earlier issues still avail-
able.)

THE GORDON BENNETT RACES,
Lord Montagu. 45/6.

DESIGN & BEHAVIOUR OF THE
RACING CAR, Stirling Moss and
Laurence Pomeroy. 51/-.

JUST ARRIVED AGAIN — FOR CAR CLUB
MEMBERS —

Larry Reid's Rally Tables, 25/-.

Larry Reid's Guide to Rally-
ing —most valuable.. 25/-.

(The two for 42/6 to Club members)

Speed Hill Climb, C.A.N. May. 26/-.

Designing & Building a Sports
Car, N.Lockwood. 26/-.

Jaguar, A Biography. Lord Mont-
agu's full history of the car. 38/-
.....

SUBSCRIPTIONS ARRANGED

Direct, to all overseas motoring
journals.

TECHNICAL BOOKS LTD.

33 VICTORIA STREET WEST, AUCKLAND, C.1

Right opposite the
Royal Hotel.

Shouts & Murmurs

Mention was made in an article on the Rotorua Trial that this column would carry excerpts of what transpired down in Rotorua. However after due deliberation it has been decided to leave all to the imagination, and in so doing possibly save the writer of this column from, I feel perhaps, undue retaliation. However it must be said that this weekend was a great success and brought many pleasures to those who were there.

Those people who live in the King Country had better watch out - Pete Parkin's on his way. Perhaps not only the people but the dears - Oh sorry - Deers.

We believe Norm Long has a Standard 10 with much modified body - Ker-rash!!

For those who are interested the Club's old club rooms have been partly demolished and left. Such is progress.

In regard to the new Clubs, as may be well imagined there are several minor details to be overcome as yet. Most of these can be condensed in one word - "Money".

The article in the Motorman on Don Hadfield and Crew was very interesting, but who, I repeat, who, took the photo. Sorry Don but we couldn't let that opportunity pass. At the present moment Don leads the Gold Star Trials Championship.

Club member Ralph Emson was in the news. Ralph loaned his "Fiat 1500" to the Motorman for a test - came out with flying colours.

We wonder who is going to compete in the Wills Six Hour with a "Standard Production Car" ?

Comments made in this column are open to reply. Let's have them please.

The Valour owned by J. Malcolm and raced by J. Boyd has been sold to Colin Nairn of Wanganui.

The well known Cooper Bristol of Boyd's is also for sale, at a reasonable figure.

We haven't heard very much from the Northland Car Club lately. Must be that they are building up to something really big.

There are a lot of car club men who are keen speedboat enthusiasts judging by the presentations at the Manakau Speedboat Club's prizegiving. Top of the list was W. Stevenson Jnr. who was presented with his certificate for attaining 126 m.p.h. in Mystic Miss. (Mighty Fast on Water.)

HEPOLITE — TO REDUCE FUEL
CONSUMPTION. *

The Annual General Council Meeting of the A.N.Z.C.C. will be held at Blenheim on the 22nd and 23rd August. Club Captain Les Rankin will be our Representative.

Have you paid your sub ? If not earn our grateful thanks by sending it to P.O. Box 2591 Auckland or subs. can be paid at Club Night. This is the last Bulletin for unfinancial members.

All competition licences expire on the 31st July next. Renewal application forms are available from the Secretary or Jim Waygood Membership Secretary 'Ph: 556.358 (home).

Remember the Light Car Trial on August 9th is an invitation event and prospective competitors will require a renewed competition licence.

We believe Jim Boyd may be seen driving a Bob Tail Cooper Sports next Season.

We take this opportunity of congratulating the Motorman on a very fine publication. Photographer J. Inwood (the chap with the beard) and Reporter Don Anderson can be well proud of their share in bringing the Motorman to the stage it is at the present moment.

Adding to this we would take this opportunity of thanking all Press media for the publicity we receive for all of our events.

"Star" Reporter Roger Blackburn is off overseas. Best of luck for a good trip Rog.

Brother Adrian Blackburn, "Herald" Reporter, is returning from England shortly. However whilst in England he has married, and both will return we believe in early July. Congratulations Adrian.

That talking of marriage, Club member Fred Smith was married on June 20th. Congratulations and best wishes Fred and Shirley.

JUNE CLUB NIGHT

A good attendance was present for last Club Night considering the amount of 'flu prevalent in Auckland at the time. After a short meeting and coming events, session conducted by the President and the Hepolite Trial Secretary Ted Lothian, three interesting films including a colour one on the Royal Marines Commandos were shown. Afterwards a tasty supper was enjoyed not forgetting the usual natter hour. The holding of supper later in the evening and showing the films in one go seems more popular than the old procedure of trying to get everyone seated again after supper for the balance of the programme to be proceeded with.

MICROPEIN — PISTON EXPANSION
FOR EXTRA MILES OF FULL POWER.

by 'Vevaxel'

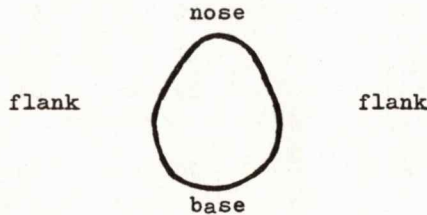
When any group of sports and racing car enthusiasts are gathered together and the subject is how to get the most from an engine the controversial camshaft often comes under the spotlight.

The camshaft as a half way point between build up and bolt on, suffers more attention by the mechanic, or semi-skilled engineer, than any other portion of the engine.

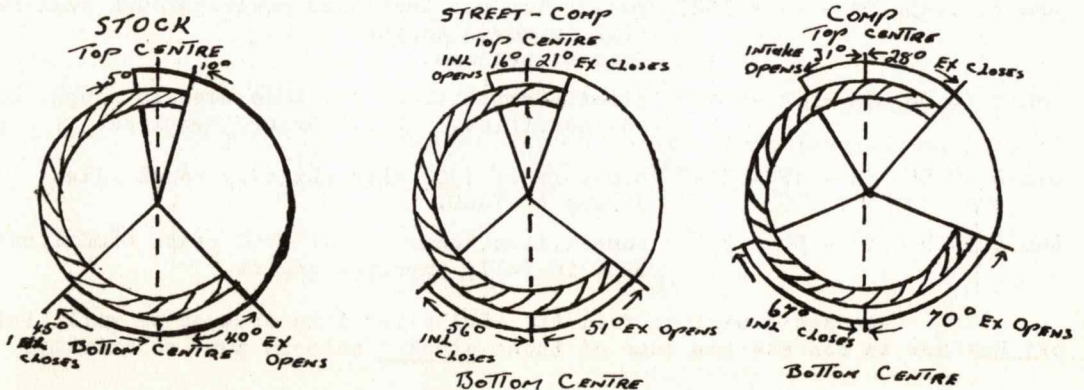
As a means of changing the characteristics of an internal combustion engine, the camshaft offers greater possibilities than any other single component. Lets open the door a little and have a peep inside.

Most camshafts were ground on the harmonic or three arc principle, which makes use of a small diameter circle superimposed on a larger diameter circle and connected by larger radii.

The parts are, respectively, : nose, base and flanks.



The flanks impart lifting motion on one side and control the returning action of the valve spring on the other. The nose is that section which holds the valve open at its maximum aperture. The base is that part of the cam which contacts the follower when the valve is closed.



To obtain a specific type of power here is the duration picture of three different cams.

<u>INTAKE OPENS</u>	<u>INTAKE CLOSES</u>	<u>EX. OPENS</u>	<u>EX. CLOSES</u>
5° BTDC	45° ABDC	40° BBDC	10° ATDC
16° BTDC	50° ABDC	51° BBDC	21° ATDC
31° BTDC	67° ABDC	70° BBDC	28° ATDC

B T D C = Before top dead centre
 A B D C = After bottom dead centre
 B B D C = Before bottom dead centre
 A T D C = After top dead centre

Now may we give you a short list of a few popular cams.

	1.0 BTDC	I.C. ABDC	E.C. BBDC	E.C. ATDC	Lift,,	@ "
AUSTIN HEALEY	5	45	40	10	.280	.019"
A SFRITE 230°	5	45	51	21	.312"	.021"
B230° in-252ex	31	67	70	28	.411"	.014"
C 278	50	86	86	50	.366"	.019"
D 316						
FERRARI						
TESTA RCGA						
A 398" 394ex	43	75	70	40	N.A.	
CORVETTE						
A 394" 400ex	35	72	76	31	.382"	
NORTON 30M						
Short Stroke	70	100	82	64	N.A.	.002"
J A P SPEEDWAY						
8/80	45	65	70	35	N.A.	.002"

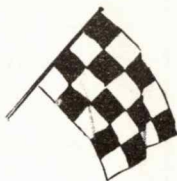
Could we now see what happens when we fit several camshafts to the same engine and test each individually.

Cam A	5.45	40 - 10 - 280"	Good for economy. Low end satisfactory with improved engine.
Cam B	5.45	51 - 21 - 312"	Better top and increased power through full range with improved engine. Good street cam.
Cam C	16.56	51 - 21 - 310"	Street-Competition. Idle usually rough. Low end sacrifice. H.D. springs required.
Cam D	17.55	55 - 17 - 324"	Comes in at 2300 with slightly rough idle. Strong to 7200.
Cam E	50.86	86 - 50 - 366"	Competition, comes on at 4500 peak 6800 limit 8200 in fully improved engine.

We don't want to fill the "Bulletin" this week so we will finish off but now we can see how some of those stock ? saloons move so quickly.



The Market Place



Did somebody say the Racing Season was finished ?

Cooper Holden Ex J. Malcolm, Jim Boyd.

- 1 Auckland Hillclimb Championship
- 2 N.Z. Hillclimb Championship

165 B.H.P. TRADE
130 M.P.H.

Ph: Jim Boyd 879.732

Sports Racing Car

3½ litre Motor. Aluminium body. Approx 120 m.p.h.
Potentially the fastest of its type in Auckland.
Owner going overseas. Must sell - £250 ONO

Foster 38 Peach Rd., Glenfield. Ph: 286.913

Maserati Type 6C

Jaguar XK140 Motor Gearbox/overdrive fitted. Car ready to race. Would consider selling gearbox chassis etc separately. Trailer with car. Sell, swap or trade either way.

Ivan Cranch 122 Glenfield Rd., Birkenhead.
Ph: 21626 4 p.m. to 5 p.m. Bus.

One Pair 1¼" S.U. Carburettors, inlet manifold (B.M.C. "A" Series motors.)
£15.0.0 or offer. P. Meyer, 'Ph: 175M (Bus.) 837R (Pvte.) Pukekohe.
or Box 38, Pukekohe.

Triumph Special

£200 or near offer

John Bowden, 'Ph: 11654

Contd

GEORGE NORMAN SMITH

With deep regret we record the death recently of one of our Club members, George N. Smith. While not active competitively George readily gave his services to events and functions such as controlling the gate and car parking arrangements at our hillclimbs, pit marshalling at both Ardmore and Pukekohe, catering at several of our social functions, also lending a hand in the renovation of the St. James St. Clubrooms.

To Mrs. Smith and family the Executive and members of the Auckland Car Club extend their deepest sympathy.



**The
Market Place** *CONTD*

Austin Healey

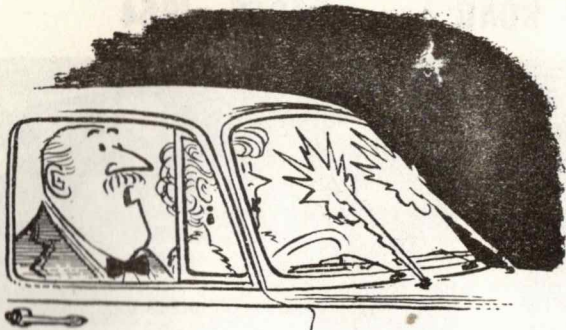
1958 - 100/6, two-tone, Laycock de Normanville electric automatic overdrive on 3rd and top, twin spot and fog lights wired through dip switch from dash switch, wing mirrors, aerial and wired for radio, balanced motor, high valve seats, chromed tappet cover and radiator header tank fixing points on chassis for sump guard. Excellent condition all round. All this for only £945. Could arrange finance.

Ron Middleton, 'Ph: 588-119 (pri.) 22-759 (bus.)

Mini Austin 1961

Good nick 940 c.c. motor, 2 cam shafts, modified cylinder head, 2 1½" S.U. Carbs, 1 Sway bar, 2 H.D. Shocks 5 modified wheels and tyres, plus cylinder head with mini Cooper Valves. Twin carb manifold and exhaust. 1¼" S.U. Carb. Best offer around £650.

Brian Thomson 896-997.



Rockbank

"Bit nippy tonight"

Did this happen to you
at Motanota?
←

Photos in this issue
by courtesy of →

Telephone 885-756

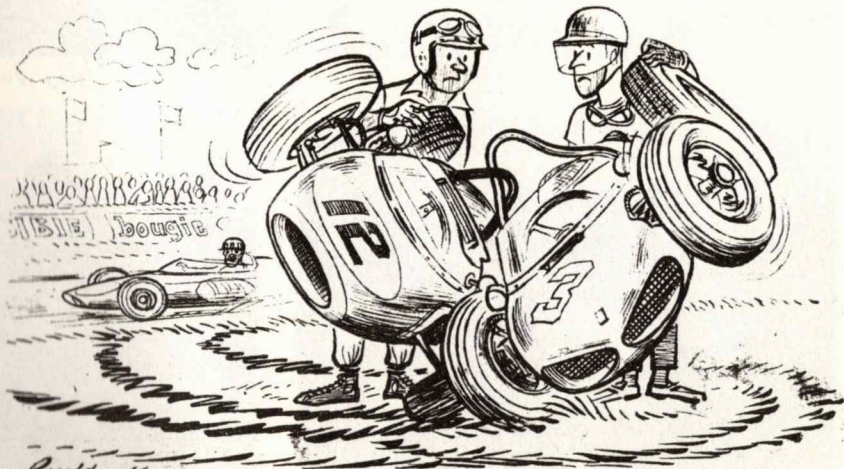
BARRY PERSON
35 Cutter St. New Lynn

Motor Racing



PHOTOGRAPHER

PERSONAL SERVICE



Rockbank

With apologies to Andy Buchanan & Bill Thomassen

MATAMATA

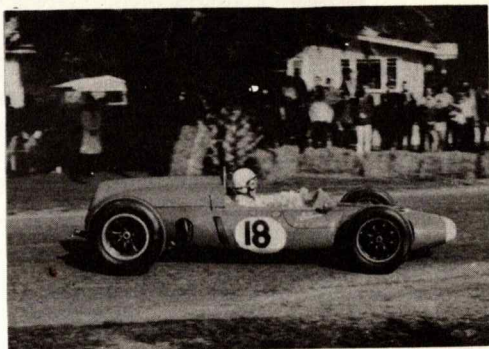
ROAD

RACES 1964



Andy Buchanan

Brabham Ford 1.5 twin cam.



Bill Thomasen - Cooper Climax 2.5.



Kerry Grant - Triumph Spitfire.



Hay Fever!!



E-v-e-r-y-body out!!



What we lose on the roundabouts!!!

GAS WITH US!

EXPERT MOTOR REPAIRS AND TUNING

PETROL-OILS-FUELS

RACING TYRES-TOURING TYRES

McLARENS SERVICE STATION LTD

PHONE 549-117 588 REMUERA RD.

OUR COMPETITION RECORD IS YOUR GUARANTEE
OF SATISFACTION CALL IN AND

GAS WITH US!

MOTOR SPARE PARTS

ALLAN WOOLF, PROPRIETOR

IMPORTERS OF ENGLISH & AMERICAN SPARE PARTS

31 FRANCE ST.

AUCKLAND C.2.

NEWTON

PH.42-267

NEW ZEALAND.

new or used

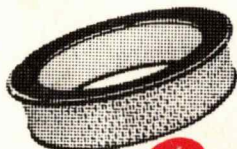
PARTS & ACCESSORIES

OPEN Friday Nights & Saturday Mornings

SUPPORT THE ORGANISATION
THAT SUPPORTS YOU!

MOTOR SPECIALTIES LTD

*working as always in the
interests of car club members.*



wix®



FIRST NAME IN OIL AND AIR FILTERS

Stipulate the best for your engine! Get smoother running — easier starting — more satisfactory M.P.G. Maintain full engine efficiency at all times and under all conditions. Specify Wix dry type air filter elements and Wix oil filters. They're scientifically designed and precision engineered to remove 99% of impurities! There's a genuine WIX FILTER available for all makes and models of cars.

NEW ZEALAND DISTRIBUTORS
MOTOR SPECIALTIES LTD.

BRANCHES THROUGHOUT
NEW ZEALAND