



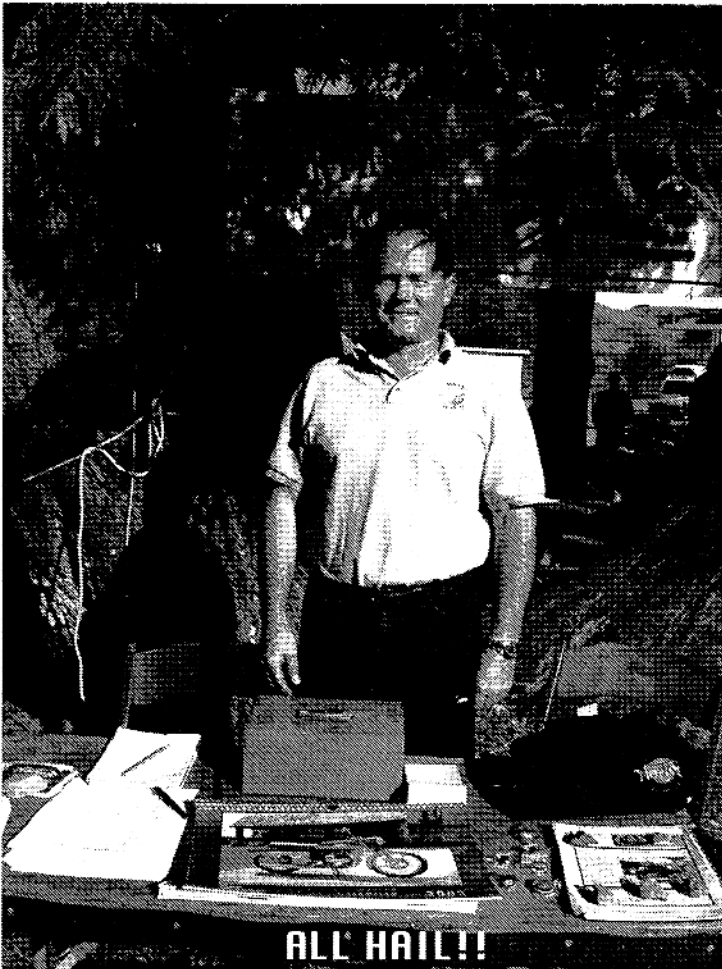
Norton Notice



The Newsletter of the
Northern California Norton Owners Club

No. 291

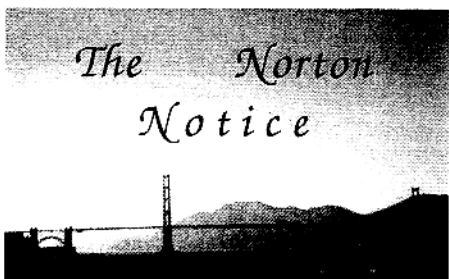
December, 2002



ALL HAIL!!

**Our New President
DAVE CRADER**

CLUB OFFICERS



PRESIDENT
Mike Sullivan
 20 Bayview Ct
 Millbrae, CA. 94030
 650-872-3336. Mikemill20@aol.com

VICE-PRESIDENT
Maya Lai
 1370 McKendrie
 San Jose, CA. 95126
 (408)241-1812, maya@expressmail.com

SECRETARY/TECH EDITOR
Alan Goldwater
 1780 Chanticleer Ave.
 Santa Cruz, CA 95062
 magicsound@aol.com

RIDES COORDINATOR:
Gar Jorgenson
 2241 Biscay Ct. Byron, CA 94514
 (925)634-9395. losono@mindspring.com

NOTICE EDITOR/TREASURER
Alan Mueller
 128 Windsor Ct. San Carlos, CA 94070
 (650)591-5444 fax (650)595-3368
 E-mail: norton2@earthlink.net or

PUBLIC RELATIONS:
Dave Crader
 83 Palm Dr. Brentwood, CA 94513
 (925)513-3148. dpcrader@thegrid.net

WEBMASTER: Jeffrey Potter
 3811 Hummingbird Dr
 Antioch, CA 94509
 (925)778-5004, dgaltmn@ccis.com
 www.hummingbirdobservatory.com/
 NortonClub

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is published by the Northern California Norton Owners Club. Its purpose is to inform and entertain members regarding all aspects of the Norton motorcycle, including history, technical advice, and preservation of the marque.

The **NORTON NOTICE** is a reflection of the readership, who are encouraged to submit any article, technical tip, photograph (original or otherwise) as long as it is in good taste, so that other Norton enthusiasts may enjoy it. (Good taste is somewhat optional, but hey-this is a group of bikers we're talking about here.....that's why we have an editor.)

The deadline for items to be submitted for publication is the 18th of each month.. The **NORTON NOTICE** welcomes contributions submitted electronically. Articles and photos can be sent in almost any format and the Editors Mac can read it. You may also send articles directly to the editor via fax at 650-595-3368. E-mail can be sent using INTERNET to norton2@earthlink.net or norton2@aol.com

Membership in the Northern California Norton Owners Club is available for \$20.00 per year. Membership dues are payable to the Branch Treasurer. See application form on inside cover.

Renewal dues are payable at the end of the individual's membership year, which is designated by the last number listed on the mailing label of the Norton Notice and the membership card.

Advertising rates are \$60.00/year for a 1/4 page ad!!

All changes of address or questions about membership or the Notice, call the Treasurer or the Editor!!

The Northern California Norton Owners Club is affiliated with both the Norton Owners Club of England and the International Norton Owners Association. Interested persons can join these two organisations per the terms described on the Branch membership application form.

NORTON NOTICE

IMPORTANT (Please note the following fine print)The object of the Northern California Norton Owners Club is to promote, encourage and develop motorcycle activities. The Club's members are owners of Norton motorcycles and they often submit for publication in the **NORTON NOTICE** technical tips pertaining to motorcycles of the Norton marque. Technical tips so published have been reviewed for technical content and are believed to be both acceptable and workable, but no guarantee is made or implied that they will work correctly, nor is any liability assumed by either the Norton Owners Club or the members for any problems resulting from the use of these tips. The Club also assumes no responsibility for the acts or omissions of its members in connection with Club activities. **NORTON NOTICE** articles or other materials express the author's view only and not necessarily the official policy of the Norton Owners Club or its Northern California branch. The editor reserves the right to accept, reject or alter all editorial and advertising material submitted for publication. Advertising published does not imply endorsement of products, goods or services. Now you know

Upcoming Events

Club Meeting Schedule

December 7th - Xmas Party at Maya's

2003 Meeting Schedule

January 9th – Prince of Wales

February 13th – Boathouse S.F.

March 13th – Prince of Wales

April 10th – Harry's Haufbrau – San Jose

May 8th – Dublin

June 12th – Prince of Wales

July Ride/Meeting San Juan Bautista

August 14th – Boathouse S.F.

September 11th – Prince of Wales

October 5th – Old Timer's Ride and Annual General Meeting

November 13th – Dublin

December 7th – Christmas Party (no December meeting)

**Press Production and
Halftones:**

John and Carrie Follett:
White Oak Press, San Carlos, CA

Ride Schedule..

by *Gar Jorgenson*, ride coordinator

EDITORS NOTE: This schedule is still somewhat tentative. If anyone knows of a major reason any of these rides will not work..PLEASE....contact Gar.

It's hard to believe that 2002 is drawing to a close and that, by the time you read this, all of the year 2002 rides will have been ridden! The year 2003 ride schedule is a rather energetic one with 18 opportunities for all of you Nortoneers to limber up your right leg with some good kick starting exercises. There are three over-night rides scheduled along with alternative day rides for those who can't make the overnights. This year the INOA National Rally is being held in British Columbia and is close enough that many of us from the NCNOC should be able to attend. So take a look at the schedule and start planning now. 2003 is less than a month away.

January Ride

January 12th, 11:00 A.M. – Polar Bear Ride (Double Points)

Join us in inaugurating the 2003 ride schedule while getting yourself a jump-start on the trek for Norton Club Ride Points. This is a really easy way to start the year with 12 points. Remember, just showing up on a Norton is all that it takes for this one.

The **ride starts at Alice's Restaurant at 11:00 A.M. at the intersection of SR-84 and Skyline Drive** just west of Woodside. Depending on the weather, and who all shows up, we will ride somewhere for lunch, or just stay put until we decide to go home.

February Ride

February 16th, 11:00 A.M. – Sweetheart/Ferguson Memorial Ride

The ride will start at **The Florence, 37349 Niles Blvd, Fremont (PH: 510-792-5522)**. Last year this ride went through the East Bay hills and culminated with lunch at the UK Café in Livermore. Don Goforth has offered up his place in Fremont as an end point this year so, as soon as I hear from Jerry Jolliff, past ride leader extraordinaire, I will get the details out on what this year's ride will be. Check the January Notice

March

March 23rd – Morning After the Clubman's Show Ride (date to be confirmed)

This ride is on the Sunday after the BSA Clubman's Show. Since I

haven't spoken to anyone from the BSA Club yet, this is my best guess on the date. Check future Notices for confirmation. The BSA club assigns this ride to one of the British Bike Clubs in the Bay area. Look for details in upcoming Notices.

April

April 6th – North Bay Ride

Ride Leader - Jerry Kaplan.

May

May 18th – Mt. Hamilton Ride

Ride Leader – Tom Dable

June

June 21st & 22nd – Mono Hot Springs Ride

Ride Leader – Tom Dable.

June 22nd - Alternative Day Ride – Pt. Reyes

Ride Leader Needed. This ride is designed for those who are unable to make the overnight ride to Mono Hot Springs but still want to do a day ride. If you are interested in planning and leading this ride, please call me.

July

July 6th – Ride/Meeting San Juan Bautista

I will try to coordinate a meeting point (or two) for the ride to San Jaun Bautista.

July 20th - Cameron's/Half Moon Bay Ride

Ride Leader Needed.

July 16th, 17th, 18th & 19th, INOA National Rally, B. C., Canada (10 Bonus Points)

People are already making plans for the National Rally at Lumby, B.C. At the November NCNOC meeting, several members said they were planning on going, and a couple of folks are talking about riding their Nortons up and back. Perhaps we can get a group together to ride up. Norton Points for the rally will be awarded as follows: Six points for each day of the rally that is ridden on a Norton. Six points for each day riding on a Norton to the rally (up to three days, maximum). Ten bonus points for attending the rally. Lesser numbers of points will be awarded in keeping with our normal procedure if you ride something other than a Norton.

President's Message*by Mike Sullivan*

Well folks, it has been a fast three years since I first volunteered to be your Club President. The years passed quickly, quicker than I would have liked. There has been a lot of miles ridden, most of them safely. I know of only a few accidents but of course the most tragic one was where we lost Ruth Green. But, enough of the sentimentalities, on to business.

Rapidly approaching will be the Christmas party at Maya Lai's house. Remember, the party will be on Saturday December 7, starting at about 1:00pm. Please bring whatever side dish or appetizer you would care to bring. Maya is asking that we bring a motorcycle related do-dad to be used as an ornament for her tree. There will be a gift exchange again this year so if you want to partake, bring a wrapped gift. Try to keep the cost of these gift items down to a reasonable level. Also at the party will be the presentation of the Norton Cup for the rider with the most participation in this last year. It will also be my pleasure to hand over the gavel of office along with the attending responsibilities, to Dave Crader, your President for the forthcoming year.

At the last meeting at Coco's Restaurant in Dublin, the tentative ride schedule was gone over. Look for Garwood to publish it soon, if not in this issue. Perhaps if there are any major items of discussion we can hash it out at the Christmas Party. One ride that will be sure to be on next year's list will be the All Brit Ride. If all things remain the same, it will be held on the first Saturday in November so mark your calendars. This last ride was quite well attended although I thought that the numbers were a little down from last year, even though the weather was glorious. I would like to thank Garwood Jorgenson and Greg Fuller for doing yeoman's work preparing and serving the lunch. I would also like to thank Dave Crader for helping to man the NCNOC table. He signed up a new member and sold a number of items including a few calendars. For those of you who did not get the calendars at either the ride or at the last meeting, I will have them at the Christmas party. It is important that they all get bought or else they will not be available next year.

I have had a communication from the new Norton Motors Company. Their website is under construction but will be at www.nortonmotorcompany.com. They are telling me that their first unit will be the Atlas Power Cruiser with a proprietary 45 degree 125 cubic inch (2,040cc). Hmm, sounds like another "me too" unit. Oh, well we can only wait and hope.

There is no ride in December so the next ride will be the Polar Bear Ride in January, starting at Alice's.

Thank you for all your support during the last three years. See you on the road.

Mike Sullivan
President



Holiday Cheer

AN INVITATION

Hello Guys and Gals,

Although I have been as scarce as hen's teeth, holidays are upon us. I would like to host the Christmas Party. In addition, I would like it to be a tree trimming party. THE CATCH is, your ornaments must be made from bike parts or be motorcycle related. For those of you whp wish to come, I would greatly appreciate as RSVP. It's been awhile since I've had a party so I hope I can make this one a great one for us all.

WHEN: December 7th **TIME:** 1:00 PM

Directions: From 101 North go south to 880 towards Santa Cruz. Get off on the Alameda (Santa Clara) exit. Stay in the left turn lane. Turn left at the light and as you cross back over 880, McKendrie is the first right. Go three blocks to 1370. Look for Reindeer on the lawn.

From 280: Take 880 over to Alameda and hang a right at the light. Turn on the first street to the right. That will be McKendrie. If you get lost call Maya at (408)506-9929



2003 Ride Schedule continued

August

August 15th, 16th, 17th – Dardanelle Weekend (date to be confirmed)

August 16th – Alternative Day Ride – Ebbets/Sonora Pass Loop (date to be confirmed)

Ride Leader – David Crader. This will be an alternative day ride that will take us over the Sierras for lunch in Coleville, and then back home. David Crader and I did this ride in August 2002 and had a great time. We will be making a stop at Dardanelle so those who can't make the whole weekend ride and camp-out can be made jealous of those who can!

September

September 13th & 14th – North/South Ride

Ride Leader – Alan Goldwater. This is going to be a meeting of the Southern California Norton Owners Club and the NCNOC for an overnight ride in the Sierras.

September 14th – Alternative Day Ride – TBA

Ride Leader Needed. This will be another day ride for those who can't make the full weekend North/South Ride.

October

October 5th – Old Timer's Ride and AGM

Ride Leader Needed.

October 19th – Delta Ride

Ride Leader – Gar Jorgenson

November

November 2nd – BSA Club All British Ride (date to be confirmed)

November 23rd – Turkey Ride

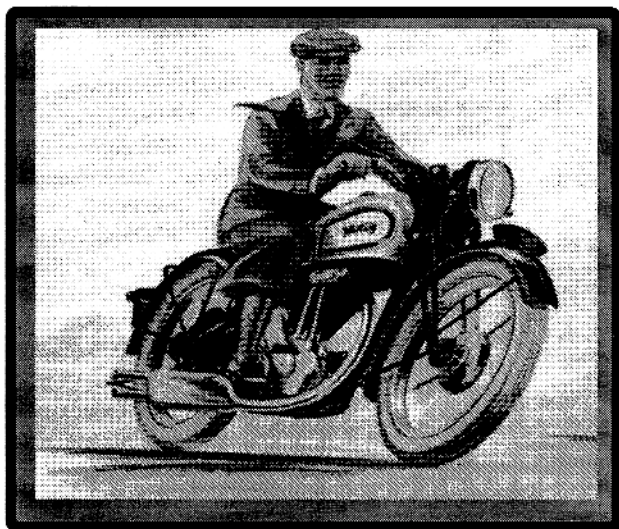
Ride Leader needed.

December

December 7th – NCNOC Christmas Party

2003 NOC CALENDARS

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e-mail at "norton2@earthlink.net"

PRICE

\$15 if picked up

or

\$18 if mailed

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Anderson	Michael Anderson	208-634-8459
Armann	Ken Armann	408-379-4300
Baker	Bruce Baker	510-865-3445
Baliel	David Baliel	(209)634-4866
Ballou	Robert Ballou	707-429-0172
Bastiaans	Ron Bastiaans	
Baul	Don Baul	510-428-0495
Bechthold	Ken Bechthold	530-666-5839
Bohn	Chuck Bohn	559-638-3731
Booton	Micky Booton	
Bray	Jeffrey Bray	408-853-1313
Bright	David Bright	530-346-6512
Brooke	Walter Brooke	530-345-2836
Brown	R. Byron Brown	510-234-5232
Bunting	Harry Bunting	408-615-1234
Burnham	Mike Burnham	415-564-5455
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Chapman	Lloyd Chapman	707-765-2503
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Coburn	Steve Coburn	804-974-7069
Coffman	David Coffman	650-320-8937
Coleman	Terry Coleman	916-727-2673
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Comp	Dick Slusher	
Comp	Brian Slark	205-477-4340
Comp	Robert Bausch	650-595-1771
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Comp	Barry Armitage	614-846-3112
Comp	The Prince of Wales	415-574-9723
Comp	Raber's Parts Mart	408-998-4495
Comp	Magri Motorcycles	415-285-6735
Comp	Dreer Vintage Rebuilds	503-631-8229
Comp	Suzy Greenway	517-851-7437
Comp	Velocette Owners Club	408-353-4852

Comp	Joe #3/BSAOC/SC	310-547-0948
Conklin	Earle Conklin	925-838-5440
Covell	John Covell	703—837-0663
Crader	David Crader	925-513-3148
Creedon	Frank Creedon	415-665-9553
Dabel	Tom Dabel	408-272-0369
Danmeier	Don Danmeier	415-898-0330
Davis	Joseph Davis	970-255-8135
Dawson	Marshall Dawson	707-642-9815
Deebach	John Deebach	360-794-4942
DeMartino	Donald DeMartino	702-435-5729
Dye	Bob Dye	707-963-6077
Eller	David Eller	925-455-0767
Farruggio	Matthew Farruggio	415-821-2062
Flatray	Art Flatray	408-264-7856
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Frei	Steven Frei	415-381-0137
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Guy	Lorin Guy	408-961-3467
Haines	Douglas Haines	510-521-3999
Haley	David Haley	408-356-6645
Hamilton	Douglas Hamilton	650-321-3071
Harper	Michael Harper	805-466-7360
Harris	Sam Harris	916-482-0198
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Heyden	Rob Heyden	510-522-7569
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Hoult	Anthony Hoult	408-379-1049
Humphrey	Bill Humphrey	831-422-9682

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Jensen	Stanley Jensen	209-835-9224
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Jorgenson	Garwood Jorgenson	925-634-9395
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Miller	Terry Miller	650-592-7421
Miller	Lynne Miller	415-334-2042
Mueller	Alan Mueller	650-591-5444
Niclas	Joshua Niclas	
NOC	Chris Grimmett	+44 1905 425912
NOC England	Jeremy Nicholls	+44 0117 986 1947
Norlie	Thomas Norlie	530-894-7287
Nugent	Gene Nugent	530-626-8356
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Olmo	Stephen Olmo	510-748-9936
Page	Fred Page	831-375-3207
Pallett	Ray Pallett	650-520-7054
Phillips	Stefanie Phillips	510-407-0038
Poore	George Poore	707-485-1249
Potter	Jeffrey Potter	925-778-5004
Pourroy	John Pourroy	707-889-0955
Pustelnik	Hans Pustelnik	714-536-3874
Quaccia	Bill Quaccia	907-486-3390
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Ray	Greg Ray	303-232-7475

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Rhode	Fred Rhode	650-349-4049
Rhodes	Eric Rhodes	510-704-0485
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Roussopolos	Gary Roussopolos	408-429-1408
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Schulkamp	Mark Schulkamp	415-586-7963
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Sorensen	Karl Sorensen	650-851-5209
Stephenson	Craig Stephenson	415-482-9953
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Stroebe	David Stroebe	650-854-7954
Sullivan	Mike Sullivan	650-872-3336
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Wood	Susan Wood	510-849-2518
Yates	Robert Yates	925-606-6071
Young	Dave Young	831-458-2113
Zraick	Ron Zraick	408-279-5200

**This is the most current data that I have. If you see any errors or omission.....please let me know.
editor**

Alan's Wrench.....by Alan Goldwater

I recently spoke to the manager at the Plumas County Fair in Quincy CA. He confirmed our reservation for the 2005 INOA rally (July 13-17), and went on to tell me that they are completely resurfacing the race track this spring, with addition of many truckloads of clay and wider run-out areas in the corners. This is good news for us, as we hope to offer a full program of AHRMA flat track racing in conjunction with the rally. The Northwest Norton Owners are co-hosting the rally with NorCalNOC, and have offered to help organize the details.

Speaking of INOA rallies, next years event is in British Columbia, and I know many of you are making plans to attend. Details of the rally are at <http://www.positive-earth.com>. You can also find a list of local motel/B&B accommodations at <http://www.monashee.com/business/accommodations.html>. I plan to stop in Quincy on the way to BC next summer. If you're interested in previewing the 2005 rally site, drop me a line.

Oil pressure is a topic that appears often in bench racing sessions, usually shortly after one of us has installed a shiny new pressure gauge. The most common question is why the oil pressure drops so low when the engine is hot. You'd think that with the high volume gear pump and pressure regulator valve used by Norton, the oil pressure would continue to increase with rpm. Of course the oil does get thinner as it heats up, a topic I've talked about in past articles. But the oil pump moves the same volume of oil no matter the viscosity, so where does the pressure go?

Clearly part of the problem is that as the big-end bearings wear, there is less resistance to oil flow, and thus less pressure in oil passages. Lower viscosity of hot oil also means less internal friction and higher flow rates, so while the pressure is lower when hot, there would actually be more oil reaching the bearings, except for the 'metering' action of the oil pump

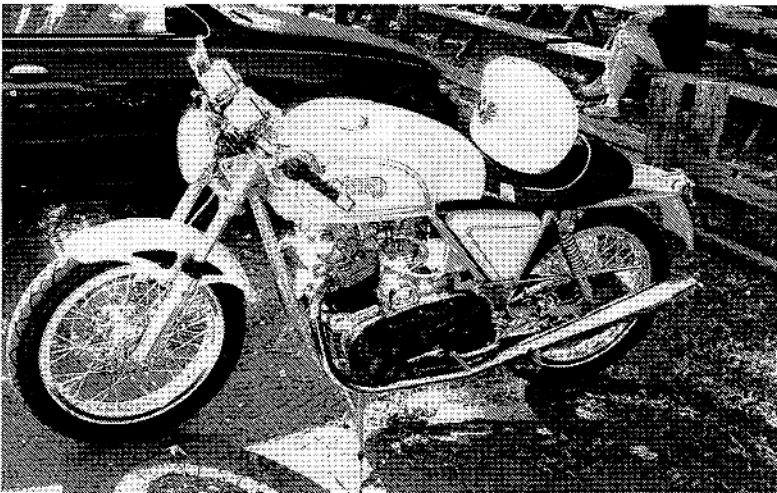
An interesting comment in the NOC Tech Notes points to another possibility: "the theory is that the centrifugal whirling of the crankshaft forces out into the big ends and draws oil (from the pump) into the crank". This comment has received wide circulation but little investigation. Being both curious and skeptical I wondered whether the centrifugal force could really be a significant factor. While my math skills are a bit rusty, I easily found the needed equations with a bit of searching on the internet. With some help from Dr. Frank Snively (retired rocket scientist) I was able to calculate that the centrifugal force on oil in the crankshaft is around 50 psi at 4200 rpm. This is certainly significant, as in the absence of back pressure (i.e. worn bearings), it sucks about as hard as the oil pump blows. The result is a low oil pressure reading, but lots of oil is reaching the bearings, and an engine under this condition might still run a long time.

Now consider what happens to the oil supply to the head. On early twins up to 1965 the head is lubricated from the return side of the oil system. These engines also had rocker shafts set up to permit adequate flow at the low pressure available. Engines after s/n 116372 (1966) fed oil to the head from the crank feed (high-pressure) side of the system. They were given a higher capacity ('six start') oil pump and the rocker shafts were modified to prevent excess oil flow at the higher applied pressure.

Early engines are commonly modified to the later head oiling system, which is considered by many to be superior. But under the combined effect of centrifugal force (high rpms) and worn big-ends, the oil pressure at the head can literally drop to zero, and unlike the crankshaft, there is no centrifugal force to help here. So while the big end bearings might survive in such conditions, the head will receive little or no oil, resulting in accelerated valve train wear and overheating. By contrast, engines with the earlier return-fed oiling system will continue to receive valve lubrication independent of the crankshaft pressure, although the flow rate may be reduced as the engine heats up. In fact, Heinz Kegler pointed out that the return pump, having twice the capacity of the supply, will be pumping air much of the time. The return oil is also considerably hotter than that supplied from the tank, having passed through the engine.

Is this really a problem? I've seen lots of Norton camshafts removed from service due to worn lobes, and not all of these were caused by the inadequate hardening reported by Dave Comeau and many others. Norton tried to improve cam lubrication by creating a trough around the cam meant to hold some oil, so they must have realized there was a problem.

I'd like to measure the oil volume flowing through the head at different rpm and temperature, but suitable flow sensors seem to cost many hundreds of dollars. I'll continue to look for an affordable way to do some testing, but until I can make some actual measurements, please consider this only a theory, one on which I will welcome your comments.



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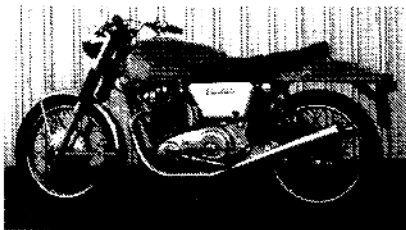
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(650)574-9723

CLASSIFIEDS

*EDITOR'S NOTE: We actively encourage non-club members to post ads to sell Norton motorcycles, Norton parts and Norton specific services. All ads will run for three months. Please notify the editor if your item has been sold. Your ad will automatically be removed after three months if we have not been informed. Note the expiration **date at the end of each ad.***

FOR SALE: 1963 & 1965 Norton Electras. Built for two ladies in my life who have decided not to use them. Both are complete and original except for aftermarket front fenders and (Harley) silencers; these bikes are renovations meant for riding, not concours restorations. Everything works, including the starter and those cute bar-end signals. \$2000 each. Call Don Danmeier, 415-893-1650 (days) or 415-898-0330 (eves till 9pm). (3/03)

WANTED: An un-restored '69, '70 or '71 750 Commando Scrambler!! No basket case!! A complete bike needing restoration. Don De Martino, 541 Baldrige Dr. Henderson, NV 89014 (9/02)

FOR SALE: 1971 Norton Commando Roadster, runs & looks good. No horn or front light, some fender dents. 18kmiles and 2k since rebuild. 16" back tire, wide fender and different tail light, chrome kickstand. dunstall mufflers, new front tire, rim and spokes and Lucaselectronic ignition. \$2800 or OBO. Kevin 916-683-1704 or "kheylin@yahoo.com (7/02)

FOR SALE: '73 Commando. Hasn't started in 5+ years so needs attention. Black /gold pistripe. Original owner. Manuals. Always garaged. Borrani rims, Marzoochi rear shocks, new tires, fog light. Best offer over \$2000. Call Mark (415)896-0499 (12/02)

FOR SALE: 1974 Norton MK2, 850 last registered in 1996, w/38k miles. Mitch Braiman
"mitchco@bbs-la.com (7/02)

FOR SALE: 1975 Commando, original spec, exyensive upgrading incl. engine head, all electrics, exhaust, brakes. Superb rider. call 650-465-6578 or "nvasant@earthlink.net...serious Norton fans only (7/02).

Let's see if anyone reads this page!!

Here is a list I got from the NOC as to the names of our NCNOC members who are also NOC Branch members: If you are and you don't see your name either call Alan Mueller or check with the NOC.

P. Brown	A. Mueller
L Lloyd	P. Radford
S. Forrest	E. Hjertberg
D. Crader	T. Dabel
G von Klan	D. Eller
J. Steinmetz	S. Harris
G. Jorgenson	M. Sullivan
H. Jorgenson	J. Potter
A. Goldwater	G. Licht
B. Reynolds	

THE NORTHERN CALIFORNIA NORTON OWNERS CLUB
 Membership Application

The Northern California Norton Owners Club (NCNOC) was started in San Francisco in the early 1970's, and grew geographically larger to become the Northern California Club.

Club membership is technically limited to Norton owners, but we look the other way all the time, at least as long as you would like to have a Norton, own other British bikes, or are just a great person to have around. So if you like to ride, repair, eat, drink, be merry, and admire Norton motorcycles, it will cost you \$20 to join.

The club has monthly rides (sometimes more often), monthly meetings on the second Thursday of the month (at rotating venues), an award winning monthly newsletter, and a Website. If you would like to learn more about your Norton and how to take care of it, would like to buy a Norton, or just want to have a good time with other Club members, join now!

The NCNOC maintains a relationship with the U.S. Norton Owners Association (USNOA, also known as the International Norton Owners Association, or INOA) as well as the original Club in England. Our club secretary will tell you how to join the UK organization, if you have an interest.

The USNOA puts on a North American Rally each year and publishes a fine quarterly magazine called the *Norton News*. This gives you access to national want-ads and to Norton merchants all over the country who advertise in the News. You also get the national membership list. It is well worth joining and will cost you another \$20. Send that to: **Dian Slark, 12603 BelAire Circle, McCalla, AL, 35111...Phone (205)477-7780.**

We look forward to seeing you and your Norton out on the high road.

NAME _____
 ADDRESS _____
 CITY STATE and ZIP _____
 TELEPHONE _____

MOTORCYCLES OWNED

Make	Year	Model	Engine/Frame/Plate Numbers

Attach another sheet if you want to list more.

I hereby apply for membership in the Northern California Norton Owners Club (NCNOC). This is a _____ new _____ renewal application.

The undersigned applicant certifies that he or she is a legal resident of the US over the age of 18, has a valid motorcycle driver's license, and will use legally required safety equipment in connection with club activities. Participant does hereby execute this release, waiver, and indemnification for himself or herself and his or hers, successors, representatives, and assigns, and hereby agrees and represents as follows: To release the Northern California Norton Owners Club ("the Club") and its officers, agents and members from any and all liability, loss, damage, costs, claims, and/or cause of action, including but not limited to all bodily injuries and property damage arising out of participation in the club's activities, it being specifically understood that such activities include the operation and use by applicant and others of motorcycles. The undersigned further agrees to indemnify the club and its officers, agents, and members and hold them harmless for the results of the undersigned's participation in those activities. This indemnification shall include attorney's fees incurred in defending any claim or judgement and incurred in the negotiation of any settlement. It is understood and agreed that the undersigned shall have the opportunity to consent to any settlement; provided, however, that such consent shall not be reasonably withheld.

I have read and agree to the additional terms and conditions set forth on all parts of this application. Other affiliated clubs and organizations are also represented and protected by this release.

Dated _____ Applicants Signature _____

Send all applications or inquiries to:
Alan Mueller, 128 Windsor Ct., San Carlos, CA. 94070
(650)591-5444