

THE JAGUAR'S PURR Published by

DELAWARE VALLEY JAGUAR CLUB

1618 Meetinghouse Rd. EDITOR: Bonnie Hall

Boothwyn, 19061



#### FOR SALE

# DVJC OFFICER'S

## PRESIDENT

JACK SANFT 1742 Green Valley Rd. Havertown, PA 19083 Home-(215) 449-9616 Office-(215) 472-2001

#### FIRST V.P.

RON KLETN 198 N. Pine St. Langhorne, PA 19047 Home-(215) 533-9980

#### SECOND V.P.

STEVE KRESS 3616 Sunny Lea Rd. Bensalem,PA 19020 Home-(215) 638-1938

# TREASURER'S

JOE & MARY ELLEN JOHNSTON 5621 Chestnut Ave. Pennsauken,NJ 08109 Home-(609) 665-6747

# CONCOURS CHAIRMAN

RUDY HORWITZ 1411 Walnut St. Suite 200 Phila.,PA 19102 Office-(215) 545-2000

# SECRETARY

CAROL SCHWARTZ 11200 Jeanes St. Phila.,PA 19116

#### PUBLIC RELATION'S

DAVE CAMPBELL,
530 Kenmore Rd.
Merion Station,
PA 19066
Home-(215) 667-0431
BOARD OF DIRECTOR'S

ATEA McAREL 241 Anderson Ave. Phoenixville,PA 19460 Home-(215) 933-5103

KURT RAPPOLD 116 Governor Markham Dr. Glen-Mills, PA 19342

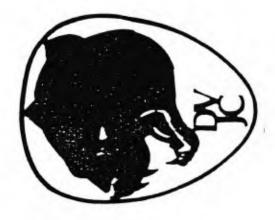
### PUBLISHED BY

STEVE KRESS & CO.

XK - 150 ROADSTER
Complete Interior "NEW" Cinnamon
Paid \$1800.00 Sell for \$1395.00
 also
XK - 150
"NEW"
Gray Headliner Paid \$161.00 Sell \$106.00
Call Howard 1-717-898-0286 FAX

Have 1976 XJ-S V-12 Engine for Parts 19,000 Miles on it. Bad Lower End Call - Steve Kress Day 215-335-4060 EVE 215-638-1938

Have Series-1 XJ Doors & trunk lid Great Shape. 1976 XJ-S Bonnet Fair to good shape Call Steve Kress



The JAGUAR'S PURR is an official publication of the DELAWARE VALLEY JAGUAR CLUB, a chartered non-profit corporation founded in 1965 and incorporated in 1968. THE JAGUAR'S PURR welcome any contributions for publication!

Cliff & Bonnie Hall Editor's THE JAGUAR'S PURR 1618 Meetinghouse Rd. Boothwyn, Pa.19061

Advertising Rates: Pull

Classified Rates:

A WINNING COMBINATION





August 2 - 5, 1989 Bend, Oregon

THE 1989 NATIONAL JCNA CONCOURS d'ELEGANCE COMBINED WITH A BEAUTIFUL VACATION RESORT

A Jaguar experience as exciting as the cars themselves!

Four days of fun and good times to be had; the Concours d'Elegance, the Rallve, Slalom and Funkhana, followed by a Gay 90's Theme Party.

Many, many beautiful Jaguars; lots of excitement, entertainment, and great food . . . come join us just for the fun of it!

For details, see your Nov/Dec '88 Jaguar Journal, or write:

JCNA NATIONAL CONCOURS d'ELEGANCE • P.O. BOX 23354, TIGARD, OR 97223 • (503) 620-6913

### PRESIDENT'S MESSAGE

The days are warming, leaves bursting forth from the trees and the Jags are purring better than ever. If you were one of the fortuneate few who ventured out to the last two tech sessions hosted by Halls Foreign Car Repair the above statement would be true in tis entirety. If not you can only blame yourself. Cliff personally went out of his way to make certain that each and every member's car got the attention it deserved. Your fellow club members were equally pleased not only with the attention their Jags got and deserved but also with the tasty victuals served by Bonnie and El Presidente to all those present including our very own 82 year old Scotsman Dave Campbell, resting between cross country flights for a short while. Dave was chauffered out by the writer who committed himself to a very careful, sane drive; which I am proud to say he carried out to the letter Thanks again to Cliff for another great tech session. These are good times to learn about the inner workings of your Jag by knowledgeable fellow Jag Buffs in a very laid back atmosphere full of Jaquar Jargon & comeraderie.

MARK YOU CALENDAR FOR THE NEXT TWO FANTASTIC EVENTS COMING UP:

MAY 21st CLASSICS AT RENAISSANCE GULPH MILLS PA.

JUNE 3rd & 4th
DVJC CONCOUR'S D ELEGANCE
COATSVILLE PA.

# **CLASSIFLED**

HAVE CAR TRAILER - WILL TRAVEL
Kitty Hauler for hire. After hours,
can have running or not.T.L.C.
Remember automatics must not
be towed. Call Kurt Rappold at
215-358-4055 for appointment
Also large collection of XK parts
bought & sold.

#### FOR SALE

1975 XJ6 in Excellent Condition 81,000 miles Asking \$8,000 or Best Offer Contact:Rick Robinson at 828-4990

<u>WANTED</u>: XK-120 Roadster as Restoration Project. Call Dave Zuhlke at 609-654-0649

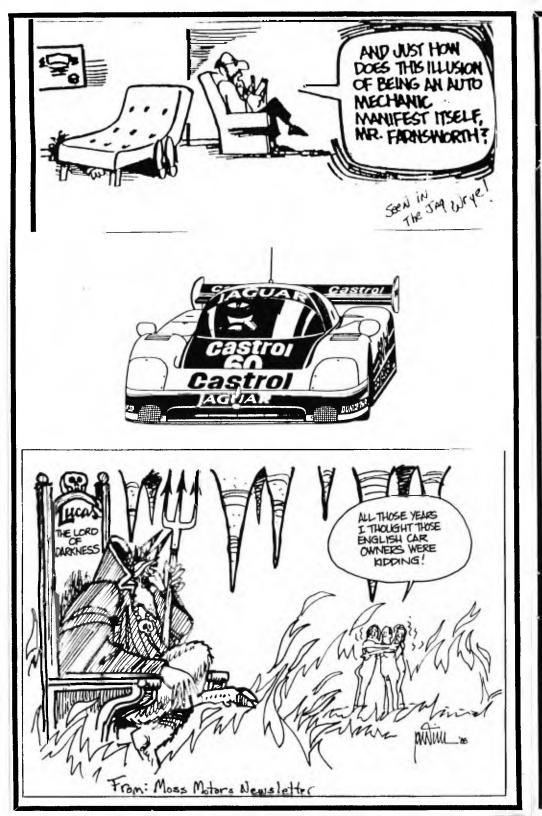
#### FOR SALE

1982 XJ6 Claret W/bisket int. 78k new Goodyear T/A Tires Extremely well maintained.All dealer records. \$10,750 Call Eves. 436-4770 Ask for Paul

FOR SALE: 1976 Jag XJ12C Coupe. 39,000 Original Miles, BRG with Black Vinyl Top and Bisquit Int. One of the best you'll ever see Needs Nothing. Call for Info-Pat Noel (H)717-632-1244 or (W), 717-624-8993.

FOR SALE: NEW NEVER USED
Genuine Carpet Sets for Series I or II
XKE Roadster or Coupe
Not for 2 + 2
1 set is Black 1 set is Biscuit
\$140.00 per set
Work \$717-285-5981
Home \$717-898-0286 - evenings
FAX \$717-285-4693

HOWARD CRAMER, JR.



All eyes and attention are now being focused on the next three events that are upcoming. Each follows closely the one before it. For those of you who missed the experience of working at the AGM at Vally Forge in March. Here is yet another opportunity to experience a first time ever event for the DVJC; namely the regional CONCOURS'd ELEGANCE scheduled for June 3rd Contact the most capable chairman Rudy Horwitz and tell him you want to get involved. I promise you one and all its an experience you won't easily forget. Our GREAT SHOW at the RENAISSANCE on MAY 21st. has been expanded to include other exotic cars from the past. There have been at least 30 Ferraris committed as well as a number of Mercedes Gull Wings and a hand picked collection of other cars of the past for your eyes to feast on and warm your heart. Volunteers at all levels are required for this show. Please call El Presidente and we will get you working in the area of your request.

Thanks for all your help in the past. Your help this year will catapult the DVJC to unheralded heights and make JCNA and other clubs across the country sit up and take notice. This is not possible without your help.

THANK YOU JACK SANFT



The DELAWARE VALLEY JAGUAR CLUB, its officers and members of the board of directors want to thank the following dealers for their unstinting support during the AGM which we proudly hosted at the Valley Forge Sheraton Hotel the weekend of March 3-5, 1989:

THE GREAT BRITAINS WILLOW GROVE, Pa.

PHILPENN BRYN MAWR, Pa.

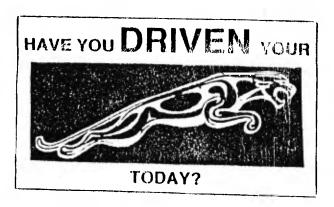
BARRETT JAGUAR ALLENTOWN, Pa.

We urge all our members and friends to patronize these fine dealers, who not only excel in Sales and Service of the cars we love but freely give of themselves in support of our club.

Conversely the following two dealers, after letters and phone calls, both from JCNA and the president of the DVJC, for whatever reason they stated or extrapolated saw fit not to support our club one iota:

REEDMAN JAGUAR Langhorne, Pa. CHEERYHILL Classic Cars N.J.

Thusly we urge all our members and friends not to set foot in their facilities or patronize them in any way.





PRESENT YOUR URLID
JRGURR CLUB
MEMBERSHIP CRRD
AND RECEIVE R 10%
DISCOUNT
(not valid with any
other offer)

Store Hours: Mon.-Fri.: 10-6 pm Wednesday till 8 pm Saturday: 10-5:30 pm

FREE PARKING

7946 GERMANTOWN AVE. (CORNER OF GERMANTOWN & WILLOW GROVE)
CHESTNUT HILL, PA 19118 (215) 247-6340



# XJ.S Kit Truck

NCW! You can drive a fancy vehicle just like the rich folks on your block do! Convert your Chevy pick-um-up truck into an XJ-S looka-like! (Some assembly required. If convertible model is desired, order our deluxe chainsaw, sold separately.)



# THE PREMIER JAGUAR EVENT OF THE SEASON

Wate.

MEMORIAL DAY WEEKEND

MAY 27 & 28

Place:

The

NEWPORT

**FESTIVAL** 

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

NEWPORT, RI

Featuring:

THE RENOWNED PARADE OF CATS

**AUTO JUMBLE WITH VENDORS FROM AROUND THE COUNTRY** 

JAGUAR EXCHANGE TO BUY OR SELL

CLAM BAKE/LOBSTER FEST

JAGUARS ON DISPLAY WITH POPULAR VOTE

**AWARDS PRESENTATION** 

**GRAND FINALE DINNER** 

For Information :

NEWPORT JAGUAR FESTIVAL 92 LONDONDERRY TURNPIKE MANCHESTER, NH 03104 (603) 622-1350

Thursoved by:
BRITISH AUTO/USA

\W&WP-08T

JANE TIVAL

Of Classic Heckend You Hon't Hunt to Mis!





FAX (215) 526 - 9841

In Pa. (215) 527 - 1000

**SINCE 1948** 

BRYN MAWR PA. 19010

Outside Pa. (800) 345 - 1023

SPRING SALE

ACCESSORIES

15% OFF

FLOOR MATS

SHEEP SKINS

MUD FLAPS

SUNROOF WIND DEFLECTORS

FOG LIGHTS

\*ALARM SYSTEMS

#CAR COVERS

LICENSE FRAMES

Authorized Parts Distributor



BODY PARTS - MECHANICAL PARTS - ACCESSORIES

\* 88-89 XJ6 and 89 XJS Convertible

# XJ6 and XJS

Does not include installation. Offer expires 6-30-89. Offer good with copy of this ad only.

# For Women Only

Concours d'Elegance - An Historic Tradition

A Concours d'Elegance is defined as "an assembly of elegance" of exquisitely prepared automobiles. The tradition was initiated in European countries where gentry and royalty gathered to admire the finest examples of carriage and horse-drawn coaches. As the horseless carriage came into vogue, the fine crafts of the coachbuilders were applied to the coaches for motorcars.

Count de Dion, a pioneer in engine building, introduced the motorcar concours in France in the late 1890's. He organized the Automobile Club of France in 1895 and set the precedent of the public display of fine automobiles prior to the popular city-to-city races. The people were accustomed to the carriage concours so the Count carried on the tradition to enlighten the public on the desirability of owning a motor carriage.

England tried to halt the rising popularity of motorcars by passing the Red Flag Laws which prohibited or limited vehicular activity. These laws were repealed on November 14, 1896, and the pioneer motoring enthusiasts celebrated the occasion with a concours and the historic first race from London to Brighton. The concours and racing events became commonplace in England and

Western Europe after 1900.

Professor Sir Hubert von Herkomer, a German born artist who became a British citizen and an avid motorist, is credited for the earliest recorded international Concours d'Elegance. It was held in Germany in 1905 with emphasis placed on the concours rather than the speed trials in an effort to win approval of conservative British officials. Over one hundred vehicles from England. Italy, Belgium, Netherlands, France and Germany were arranged in classes and awarded prizes for condition and for excellence of design and coachwork. The British press in attendance sent back the word of the great success of the gathering!

Enthusiasm for the automobile was rediscovered by Americans who saw the concours while serving with the military occupation forces in Europe following World War I. In America today just about every automobile ever made has a fan club and regular concours held in it's honor. The Concours d'Elegance is a beautifully historic ceremony which honors a social event from the past and acquaints us with generation of horseless carriages, antique, vintage and classic cars.

from Concours d'Elegance by Joseph H. Wherry Submitted by Carol Williams

THANKS TO: WASATCH MOUNTAIN REGISTER:

≗Stæul

# Motor Car Insurance Motor Car Insurance CONDON & SKELLY



The coverage you need with The service you deserve ut a Price that may be less than you think

For Information about Special Insurance for Special Cars:

1-[800]-257-9496 (609) 234-3434 (NJ) 1-(800) 624-4688

# Jaguar XK 120

Selling cars to stars took a little show business itself

### By Roger Barlow

▲ lark Gable was one of the best customers of my foreign car dealership in Hol-lywood. He appreciated fine cars and was always on the lookout for what was Mercedes?' new. Naturally, when I got my hands on a

Feb. 20), I called Gable at MGM and invited him to come by.

After an hour uf driving, he pulled into a parking spot off Mulholland Drive overlooking Hollywood. shut off the engine of the Atalanta and siretched shoulder muscles tensed from pushing a strange vehicle through a hundred curves and sharp bends at ever-increasing speed as he gained experience with and confidence in that remarkably handling car. 'Rog," he said, "if you'll forgive me for saying so, this car took those canyon roads

even better than your Talbot, and certainly better than my Mark V Jag."

"How about the Duesenberg you had before the war?" I asked to reply, knowing it had been his favorite car.

"It's quite some time since I drove the Duesie I owned then but there's no doubt in my mind," he said. "It did not take corners like this." He patted the steering wheel of the Atalanta with respect.

Gable paused and then went on. "I guess Fred and Augie were really engine men. It was that big straight-eight of theirs with dual overhead camshafts that mainly sold those cars. I don't know a heft of a lot about the fine points of engine design, but when I put my foot down or just lifted the hood of gine said power to me as no car I've ever owned or even looked at before or since."

'What about a Mercedes?' I asked. One of the Marx brothers had an SS or SSK that I know you saw. Wasn't that a pretty impressive machine?"

Welf, it did have those outside exhaust pipes and a supercharger somewhere almost out of sight, but with only a single camshaft it looked more like a pushrod engine and

just wasn't anything like as impressive as a

"So you bought a Duesie instead of a

"I sure did. And it was the best one they V12 Atalanta tourer, the first fully indepen- ever made. At least it was one of the best dently sprung British production car (AW, two they made because they only built two

The Jaguar XK 120 was the first British sports car Clark Gable found 'fitting'

of the short-chassis \$\$J models. Coop got

Lasked Gable if he had ever been tempted by any of the English sports cars.

You know, I have a problem with your sports cars. It's not that I'm such a big guy, but I just seem to stick out of them. Remember when I drove one of your first MGs and brought it back in a couple of hours because I felt so damn, well, exposed! I like the looks of cars with these cut-down doors until I get in one. I did feel O.K. in the Packard convertibles that Dutch Darrin built with only sightly cut-down doors. Pity they didn't handle better. Even with stiffer shocks they wallowed around too much."

But you said you wanted an SS 100 Jag my Duesie for a look, that supercharged en- (wu-seater the day we first met when you came to look at that wild V12 Delahaye with an engine minus its crankshaft."

> "I'd been in England during the war and I think the Jag maybe seemed bigger or differem over there. Anyway, I hope I'll feel at ease in their new sports car. Is it really going to have a twin-cam engine like the Duesie? And is it guing to have a rear suspension fike this car?

I shook my head. "I'm afraid not. The Christmas after all! #

front suspension, we're told, will have torsion bars much like your Mark V but I'msure the rear end won't be independent. At least not to start with. But it definitely has a two-cam engine, and people who have seen the prototypes say it's going to be a sensational car on all counts.

"Glad to hear that. I'm still getting the first one you can deliver, right?"

I assured him this was indeed so and not to worry, then asked him one last question about his SSJ roadster. "Wasn't your Duesenberg sumething of a truck except out on a straight road?"

He considered for a moment, "I suppose it was, thinking about it now. But back in

the '30s it seemed just like all big cars. We expected them to be a bit heavy steering. Hell, it looked like a man's car and part of its attraction may have been that it took a man to enjoy driving it!" Gable did get the

first XK 120 we delivered but before that the factory had shipped us a pre-production car with no crankshaft for display at the L.A. Auto Show. It arrived early so we stashed it away under a sheet in a one-car lockup a few blocks from our shop. When we had to prepare it for the show, we called Gable to ask if

he would like to drive the new XK 120. Luckily his film wasn't actually shooting or they would have lost him for half a day! When we got to where the Jag was, my partner Van Dyke whisked off the cover with a magician's flourish, instantly tuming the King of Hullywood into a 10-year-old on Christmas moming!

But we had to play the Grinch with news that the engine had no crankshaft. Then I added, "We promised you could drive an XK this morning, so get in!" A rope, already looped over a chassis member, was pulled out and snubbed around a hook in the upen back of our parts truck with Van Dyke there holding the end. Then down Robertson Blvd, full bore in the gears. A few yards from Alden Drive (at good speed) Van Dyke freed the tow rope and waved Gable to our shop. The street was wer from. some fawn sprinklers so he took his first corner at the wheel of an XK in one glorious, crossed-up, four-wheel slide, grinning from ear to ear and rolling to a stop at the shop door to cheers and applause from everyone there.

The Grinch had not stolen the boy's

AUTOWEEK FEBRUARY 27, 1989

# DRIVE THEM BOTH, THEN DRIVE ONE HOME.

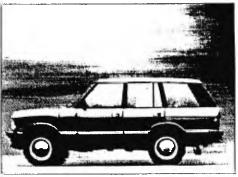


The Jaguar XJ6 is not only \$15,000 less than a Mercedes 420 SEL, it's 7" wider, 2" lower, and 100% prettier.

While some European manufacturers have a wellearned reputation for charging a lot of money for their cars, Jaguar maintains its tradition of giving you a lot of car for your money.

Take the Jaguar XJ6, for example, Its interior. unlike some of its European competitors, is neither cold nor austere. Instead, you'll find warm, polished burl walnut and rich, hand-stitched leathers. You'll also find impressive performance and a near-perfect balance of riding smoothness and handling agility.

We invite you to see and drive the XJ6.



**Quick Announcement** From Range Rover.

Its hard to keep things brief when the 1989 Range Rover comes with:

- · a new, more powerful 3.9 liter V8 engine that significantly improves acceleration
- a sophisticated system that automatically compensates for conditions where traction might otherwise be lost
- a new six-speaker stereo system
- an automatic lock on the tailgate
- a heated front windshield
- an interior that now has...tcontinued at The Great Britains)

RANGE ROVER

Only the Great Britains has both Range Rover and Jaguar in stock.

JAGUAR



Old York Rd. & PA Turnpike Willow Grove, PA 443-5900



# Letters to Editor

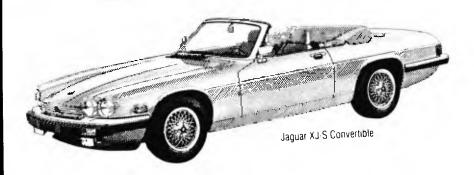
### SPRING ROAD RALLY

# DATE CHANGE!!!! JUNE 25th 1:00 PM

Because of the Classics At Renaissance on May 21st and the Concours' on June 3rd and 4th the Road Rally has been changed from May 28th to June 25th I think you will find '. I this to be more convenient and more relaxed1. The location will start at Rt.202 & Rt.1 and will begin at 1:00 pm. It will finish at 10 Downing Street English Pub in Downingtown, Pa. A full buffet and Bar will be awaiting you at the finish! Flyers will be sent out to every member within the next week, there will be a map directing you to the starting point. Also at this time you might want to select a navigator your going to need them.

HELP WANTED APPLY WITHIN
Contact Jack at 449-9616 or Cliff Hall at 532-9999 or 485-2402
THANKS

Cliff Hall





GRAN TURISMO JAGUAR
1351 East 354th Street
Eastlake, Ohio 44094

All new April '87 catalog—most comprehensive anywhere! \$5.00

SPECIALISTS IN MATCHING BUYERS OF JAGUARS

CAT HUNTERS, LTD.

A Division of DeBar Investments

Barry Greenstein 7211 W. 98 Terr., Suite 100 Overland Park, KS 66212

(913) 381-8236 office

# CALENDAR OF COMING EVENTS

- MAY 20 English Motor Tour to Southern Pa. Sponsored by Nation's Capital Jaguar Owners Club Info: Lew Delafield 703.968.0387
- MAY 21 All British Car Show Plus sponsored by: DVJC IN GULPH MILLS: Pa. Info: Jack at 215.472.2001 or 215. 449.9616
- MAY 27-28 The Newport Jaguar Festival Newport R.I.
- MAKEN DVJC First Spring Road Rally Chester County Pa.
- Tan 25 Info: Cliff Hall 215.485.2402
- JUNE 4 <u>DVJC Concour's D Elegance</u> Coatsville, Pa. Info: Rudy Horwitz 215.545.2000
- JUNE 17 Ontario JOA, Concours Location unknown
- JUNE 25 Jaguar Touring Club Concours, Germantown, Ny.
- JULY 8 Indiana Jaguar Club Concours, Ft. Wayne, In.
- JULY 22 J.A. of Grt. Chicago Concours, Itasca, Il.
- AUG. 2-5 Nat'L Concours D Elegance, Bend, Or.
- AUG. 12 The New Hope Auto Show, New Hope, Pa.

#### **AGUAR** STAINLESS STEEL EXHAUST SYSTEMS XK120 \$299 XJ12 \$499 XK120SE \$319 XJ-S \$289 XK140 \$359 Mk1 XK150 \$359 Mk2 \$379 \$529 \$399 Mk9 XKE6 \$419 Mk10 \$479 XKE6+2 \$389 S/420 \$489 XKEV12 plus UPS \$419 XJ6sl XJ6s2/3 \$399 Shipping **608 FORT WILLIAMS PARKWAY** ALEXANDRIA, VA. 22304 703-370-3097

Jaquar

# Stalking the cat

NE of the symbols of Britain's industrial recovery is being recast—as a symbol of the limits to that recovery. The company is Jaguar, which, after losing £Im a week at its nadir in 1980, sprang free of state control and re-established a high reputation from Los Angeles, where Jaguars are again images of quality and style, to Le Mans, where they won last year's world sports-car championships. But it has not been enough, Jaguar remains a midget in a market increasingly dominated by giants. Now its independence is at stake; predators prowl.

Jaguar has been put into its defensive

premium for English heritage and barr-wal nut veneer.

This suggests that Jaguar may not be able to face the future alone. True, the company cannot easily be bought outright: until the end of next year the British government can veto any takeover of which it disapproves. But the market whisper is that Volkswagen, Mitsubishi Motors, Ford and more are already casting their eyes over the not-so-big cat.

So what might happen? Japuar's obvious niche, says Mr John Lawson of the Nomura Research Institute in London, is not as a competitor to BMW, Daimler-Benz or the Japanese. The company should be a specialist maker of classy cars. That, says Mr Lawson, is a formula uniquely applicable to an independ.



crouch in an old, familiar way: by a pay dispute. Its 8,250 manual workers want more than the two-year pay deal worth a little over 4% a year that they have been offered. At Nissan's plant in Britain, they point out, some workers (albeit less well-paid than they) have won wage rises of up to 22.5%. Sir John Egan, Jaguar's chairman, says the company cannot afford to pay any more.

The firm's costs are already too high. Having concentrated on rapid growth (production, barely 14,000 cars in 1980, was 52,000 in 1988), the company aims to cut costs by about £50m over the next two years. At the same time, to remain competitive it also needs to finance the development of new models. And it is trying to do this just when its main market is getting tougher: neatly half the Jaguars built last year were sold in America, where sales of most luxury imports are falling. Some analysts think that Jaguar's profits in 1988 were no more than half the pretax £97m (\$159m) made in 1987

Many medium-sized carmakers face similar problems. West Germany's Daimler-Benz, for instance, plans to replace its entire Mercedes model range within the next five years. But Jaguar is especially vulnerable because it is one of the smallest of this species: it made only one-tenth as many cars as the West German luxury-carmaker. As the Japanese giants unveil stylish new models—Toyota's Lexus and Nissan's Infiniti cars made their bows at last month's Detroit motor show—the pressure can only increase upon a company that already charges a big

cent experience shows that big car companies are

finding ways to take specialist marques under their wing: Ford has a 75% stake in Aston Martin, Fiat owns Ferrari.

They do so not to bolster the image of their volume cars by adding a luxury make (they do that with GTI versions of standard production cars) nor to interfere with the management (in Britain, General Motors does not know details of the consultancy contracts that Lotus, which it bought in 1986, has with 19 other carmarkers, nor has Ford meddled with Aston Mattin). They do it in order to provide small carmakers with production technology needed to build cars more efficiently, as well as the finance with which to do it. Under Fiat, Ferrari has boosted production sharply from the fewerthan-1,000 cars a year that it made in the early 1970s to about 4,000 last year. In return the big companies get new ideas and different skills-Ferrari has provided Fiat with designers, Lotus has given GM conputer-controlled active suspension from formula-one racing.

Could such a big-brotherly relationship help Jaguar? It might. A substantial minority stake by another company would certainly have a political logic: it would pre-empt any potentially embarrassing hostile takeover bid in 1991. As that might be an election year, such a tie-up could prove an attractive option for a government seeing its privatisation star on the wane.

# TECH TIP

# ANNUAL BRAKE FLUID FLUSH CAN PREVENT DETERIORATION

Here's one preventive maintenance chore you may never have heard customers ask for: Flushing and replacing their car's brake fluid.

That's not surprising, since most car owners don't read their owners' manuals, and brake fluid flushing generally isn't the lead item in the preventive maintenance recommendations anyway. But an annual fluid flush can prevent deterioration in a car's brakes. Damage in the form of rust, pitting and seized pistons may be forestalled if the system is flushed regularly.

Annual brake fluid flushing is important because even though most hydraulic systems are sealed, moisture can still work its way in at a rate of about three per cent of system volume per year. No matter what type of fluid is used, the invasion of moisture leads to brake system problems.

Except for a mild amber or purple tint, brake fluid should be clear. If the fluid is cloudy, or if you can't see the bottom of the reservoir, the fluid is contaminated. This means some damage has probably already started.

Most cars use one of three grades of brake fluid. Two of them, DOT 3 and DOT 4, are glycol-based and tinted amber. DOT 5 brake fluid is tinted purple, and generally silicone-based. The glycol-based fluids are hygroscopic (tending to absorb moisture), while DOT 5 is not.

The difference between DOT 3 and DOT 4 brake fluids is their boiling point. This can be critical, since the brakes will quit outright if the fluid boils away during a stop. Car makers specify which fluid should be used based on how hot they expect the brakes to get.

According to regulations, DOT 3 fluid, fresh from a newly-opened container, must not boil until it reaches 401°F (its so-called "dry" boiling point). Once it's absorbed three per cent moisture, regulations say the so-called "wet" boiling point can drop to 284°F. DOT 4's dry and wet boiling points are 446°F and 311°F, respectively.

Although DOT 5 fluid doesn't absorb water, DOT rules still set a "wet" boiling point -- 356°F. DOT 5's dry boiling point is 500°F. Some people make the mistake of thinking that since it's non-hygroscopic, DOT 5 shouldn't need flushing.

That kind of thinking can be dangerous. If any water gets into a system using DOT 5 fluid, it's not absorbed into the brake fluid; it remains as free water. If enough of that water happens to be in a caliper, brake failure can result as it boils off at a relatively low temperature during brake usage. Also, in cold climates any puddled water can freeze, preventing brake application.

The lids of most master cylinder reservoirs specify the appropriate fluid. Since DOT 4 fluid is chemically similar to DOT 3, but with a higher boiling point, it is safe to use DOT 4 in a system designed for DOT 3 fluid. The othe way around, however, is NOT safe.

The use of DOT 5 fluid in systems not designe for it is questionable -- it's expensive, may not be compatible with certain rubber parts, and any advantages that might be realized by using it by itself will be lost if it's combined with other fluids. Some car makers specifically say not to use it in their cars.

(From Jaguar Club of Houston's "Jaguar Register") & The Paw Print of Austin TX.