



A Monthly Journal for Yamaha World-Wide Dealers

# YAMAHA NEWS

1970

NOVEMBER

## Trail Land Program Is Under Way

Yamaha are now pushing forward the nation-wide program to build Trail Lands for the purpose of providing enthusiasts with suitable places enabling them to fully enjoy the pleasure of trail runs.

In accordance with the increase of motorcyclists, especially, trail fans in this country, it has become more imperative for manufacturers to educate and guide them with "Safety First" in mind.

Yamaha, as the leader of trail age commenced a unique rider education program called "trail school" on a nation-wide scale three years ago. The program has been most favorably received by trail fans who wish to learn correct and basic techniques for safe and enjoyable trail riding. The program, on the other hand, has very desirably benefited the development of fresh and novice trail enthusiasts.

Trail land is regarded as Yamaha's another score to let them promote their education program more successfully on a larger scale, while those who have finished the training sessions can thoroughly and actually apply their own techniques to every topographical feature provided thereon under safe and delightful circumstances.

Let's invite your attention to the prosperity of Trail Lands which have been already built and opened in succession recently. Yamaha's final target is to have at least one Trail Land per prefecture all over Japan.

### Fukuoka

Yamaha Trail Land Fukuoka is established in Fukuoka Pref., Kyushu, southern part of Japan. It covers an area of some 130,000m<sup>2</sup> incorporating numerous topographical features as well as a circuit 1.7km long.

Enthusiasts gather together to enjoy experimenting every detail of their trained techniques on an ideally prepared course.



### Aomori

Yamaha Trail Land Aomori is located at Aomori Pref., northern extremity of the Main Island, Japan. Trail enthusiasm is particularly hotting up in this district, and those who have mastered basic techniques avail themselves of the course to brush up their skill. A novice training program will shortly start, too.



### Morioka

Yamaha Trail Land Morioka is established, covering an area of about 100,000m<sup>2</sup> in a hilly district of Iwate Pref., north-eastern province of Japan. The course is full of topographical variety featuring everything required of a good trail training place. It has been buzzing with excitement since it was opened in May.

# Yamaha Racing Highlights



## Malaysia Grand Prix

In the Malaysia Grand Prix, one of the most important sport meetings in the Far East, Mimuro and Motohashi on Yamaha motorcycles led a race all the way and finished first and second respectively.

The 60-lap race was staged on the 2.1-mile Batu Tiga Circuit, Kuala Lumpur, on September 6. Soon after starting Motohashi, O.T. Wing, S.A. Saksono, and T. Discombe, all astride Yamaha TR2's took the lead in a group.

Mimuro, who had started rather poorly, soon joined this group and the 5 Yamaha riders competed hotly with one another to lead the race.

G. Perry of New Zealand, riding his Suzuki 500, gained upon this Yamaha group during the first half of the race. But he dropped behind on the 25th lap and there was no rival to the Yamaha riders.

The latter half of the race was highlighted

by hectic competition between the two ace riders, Motohashi and Mimuro, and Motohashi managed to get ahead of his mate at the very last stage of the race to finish first.

In this race Yamaha riders monopolized from first to fifth places. In other races, too, Yamaha riders led 4 classes, clearly proving Yamaha machines unmatched in performance.

## Yamaha's Glorious Finale Spanish GP

Swedish ace Kent Andersson riding a Yamaha 250cc TD2 won the 250cc race of the Spanish GP, final round of the 1970 World Road Race Championship Series. The race was run on a twisting 2.35-mile Montejuchi circuit near Barcelona on September 27.

For the first half stage of race T. Lansivuori on another Yamaha dived with Andersson for the lead until he slowed pace because of misfiring.

With a rival retired, Andersson rode his Yamaha home to take an easy win.



## Japan Road Race Grand Prix

The 1970 Japan Road Race Grand Prix was held at the treacherous Suzuka circuit on October 25. In spite of rainy weather, the meeting was participated by 163 riders from every district of Japan, attracting some 20,000 enthusiastic spectators, which reflected growing popularization of this type of sport in this country. Five class races from 90cc to over 251cc were run, and Yamaha riders displayed their predominancy in all races they contested.

### Finishing order

	250cc class	33 laps	97.7 miles
1.	K. Andersson	Yamaha	1h 04' 25" 5
2.	G. Molloy	Yamaha	1h 05' 07" 8
3.	S. Grassetti	Yamaha	1h 05' 55" 6
4.	G. Marsovsky	Yamaha	1h 06' 04" 2
5.	B. Jansson	Yamaha	32 laps

Fastest lap - K. Andersson Yamaha 1' 58" 6 74.57 mph





## Yamaha Renews Street Sport Series

Yamaha have recently renewed the exciting street sport series of better machines ranging from massive 650cc to compact 50cc. The 350cc R5 and 200cc CS3E feature a 2-stroke twin 5-port engine incorporating Yamaha's renowned technical refinements including Autolube oil injection device, which assure the riders of refreshing thrill on express ways as well as steadfast going through city traffics. The biggest 650cc XS1 is Yamaha's first-ever 4-stroke model to arouse fresh sensation among big bike fans in the world. The 50cc FS1 is mounted with a 2-stroke single rotary valve power-unit also featuring Autolube device.

### Mediumweight Runner 350 Street Sport R5

This is the model directly developed from the world-beating Yamaha production racers 350cc TR2 and 250cc TD2. As well as display excellent maneuverability on normal roads, it proves so often a super performer in its class on every racing circuit.

It delivers outstanding torque for smooth and instant throttle response as well as additional economy of fuel consumption. It also hits a top speed of 106mph

readily, accelerating to higher speeds in almost incredibly short time. Included in its features are aluminum twin carburetor for efficient engine function,

#### PERFORMANCE

Max. speed range ..... 160-170 km/h (100-106 mph)  
Climbing ability ..... 28 degrees  
Min. turning radius ..... 2,300 mm (90.6 in.)  
Min. braking distance ..... 14 m @50 km/h (46 ft. @31 mph)

#### ENGINE

Type ..... 2-stroke, 5-port, Twin  
Displacement ..... 347 cc (21.18 cu. in.)  
Bore & Stroke 64 x 54 mm (2.520 x 2.126 in.)  
Compression ratio ..... 6.9 : 1  
Max. horsepower ..... 36 hp @7,000 rpm  
Max. torque 3.87 kg-m (28.0 ft-lb) @6,500 rpm



Newly-designed 2-stroke twin power-unit is duly claimed to be one of the most exciting engines ever produced in the world.

aluminum-tubed Ceriani-type front forks for finer handling, featherbed-type double-cradle frame for more comfortable riding, etc.

#### SPECIFICATIONS

Lubrication system ..... Autolube  
Starting system ..... Primary kick starter  
Transmission ..... 5-speed gearbox

#### DIMENSIONS

Overall length ..... 2,040 mm (80.3 in.)  
Overall width ..... 835 mm (32.9 in.)  
Overall height ..... 1,085 mm (42.7 in.)  
Wheelbase ..... 1,320 mm (52.0 in.)  
Min. ground clearance ..... 155 mm ( 6.1 in.)  
WEIGHT (Net) ..... 141 kgs. (310 lbs.)  
FUEL TANK CAPACITY 12 lit. (3.2 US gal.)  
OIL TANK CAPACITY .. 2.0 lit. (2.1 US qt.)  
TIRES front ..... 3.00-18-4 P.R.  
rear ..... 3.50-18-4 P.R.





Meters are very accessible and readable.



Designed for unmatched performance and superb economy, its powerplant features special wet-sump trochoid pump and twin 33mm constant velocity carburetor for accurate oil supply.

## Heavyweight Leader 650 Street Sport XS1

A world-wide trend is rapidly getting ripe for heavyweight bikes now. High prospects are held with Yamaha's biggest model 650 XS1 to set further spurs to this trend.

Power delivered by a single ohc parallel twin 4-stroke engine is really dynamic enough to satisfy the needs of speed-thrifty enthusiasts around the world. Superb functions of special wet-sump trochoid pump lubrication keep engine performance always in the best condition over a wider range of speeds.

It develops a maximum output of 53 hp/7000rpm, and marks a top speed of

around 115mph through a smooth 5-speed gearbox. In addition to the above, it features excellent handling ease together with wide comfortable dual seat, large-size lighting equipment, rugged but smart Ceriani type front forks, etc. The Yamaha 650 Street Sport XS1 is one of the best heavyweight sport tourers available now.

### SPECIFICATIONS

#### PERFORMANCE

Max. speed range ..... 185 km/h (115 mph)  
 Climbing ability ..... 26 degrees  
 Min. turning radius ..... 2,500 mm (98.4 in.)  
 Min. braking distance  
 ..... 14m @50 km/h (46 ft. @31 mph)

#### ENGINE

Type ..... 4-stroke, OHC, Parallel Twin  
 Displacement ..... 653 cc (39.85 cu. in.)  
 Bore & Stroke 75 x 74 mm (2.953 x 2.913 in.)  
 Compression ratio ..... 8.7 : 1  
 Max. horsepower ..... 53 hp @7,000 rpm  
 Max. torque 5.50 kg-m (40.1 ft-lb) @6,000 rpm  
 Lubrication system Wet sump, Trochoid pump

Starting system ..... Kick starter  
 Transmission ..... 5-speed gearbox

#### DIMENSIONS

Overall length ..... 1,755 mm (69.1 in.)  
 Overall width ..... 555 mm (21.9 in.)  
 Overall height ..... 935 mm (36.8 in.)  
 Wheelbase ..... 1,160 mm (45.7 in.)  
 Min. ground clearance ..... 135 mm ( 5.3 in.)  
**WEIGHT (Net)** ..... 70 kgs. (154 lbs.)  
**FUEL TANK CAPACITY** 6.0 lit. (1.6 US gal.)  
**OIL TANK CAPACITY** .. 1.4 lit. (1.5 US qt.)  
**TIRES** front ..... 2.25-17-4PR  
 rear ..... 2.50-17-4PR





## Brisk Mini Sport 50 Street FS1

Yamaha's smallest street sport model has lunched onto market to fully enjoy younger sports enthusiasts. The new FS1 is ideally designed for street touring as well as for zipping on tracks. A 49cc 2-stroke single rotary valve engine looks tiny but proves amazingly powerful at any time. It features Yamaha's famous Autolube oil injection device to supply an engine with an ideal amount of oil in correspondence with running speed and throttle opening. Also, as for this model, greater emphasis is placed on riding safety. Big fade-free brakes are ideally waterproof and dust-free to sharply operate at any time under whatever type of riding condition. Large-size lighting equipment assures a rider of superb safety for riding at night. The 50cc FS1's mandarin orange finished fuel tank never fails to attract particular attention.



Dependable and powerful 2-stroke rotary valve engine delivers a maximum output of 6hp/9000rpm.

PERFORMANCE		SPECIFICATIONS	
Max. speed range	90-95 km/h (56-59 mph)	Lubrication system	Primary kick starter
Climbing ability	18 degrees	Transmission	6-speed gearbox
Min. turning radius	1,800 mm (70.9 in.)	<b>DIMENSIONS</b>	
Min. braking distance	7.0 m @35 km/h (23.0 ft. @22 mph)	Overall length	1,755 mm (69.1 in.)
<b>ENGINE</b>		Overall width	555 mm (21.9 in.)
Type	2-stroke, Rotary valve, Single	Overall height	935 mm (36.8 in.)
Displacement	49 cc (2.99 cu. in.)	Wheelbase	1,160 mm (45.7 in.)
Bore & Stroke	40 x 39.7 mm (1.575 x 1.563 in.)	Min. ground clearance	135 mm (5.3 in.)
Compression ratio	6.9 : 1	<b>WEIGHT (Net)</b>	70 kgs (154 lbs)
Max. horsepower	6 hp @9,000 rpm	<b>FUEL TANK CAPACITY</b>	6.0 lit. (1.6 US gal.)
Max. torque	0.5 kg-m (3.6 ft-lb) @8,000 rpm	<b>OIL TANK CAPACITY</b>	1.4 lit. (1.5 US qq.)
		<b>TIRES</b> front	2.25-17-4 PR
		rear	2.50-17-4 PR



Racer-type seat together with upswept muffler will enable a rider to enjoy full sporty feeling.





## Lightweight Ace 200 Street Sport CS3E

Attractive in outlook, and outstanding in performance, the Yamaha 200 Street Sport CS3E is an lightweight ace. Its 2-stroke twin 5-port aluminum engine is a heart of high high performance as well as a striking accent in appearance. Yamaha's world-famed Autolube device puts an end to messy premixing, and result in longer engine life and lower fuel consumption.

A super-smooth 5-speed gearbox is admitted another score of this model. While cruising on highways, or trotting

through city traffics, it put you in the gear you want very effortlessly. An electric starter plus primary kick starter greatly benefits a rider to get an engine enlivened with the least efforts. Larger and brighter headlamp assures clearer night vision for the sake of more safety. Moreover, sparkling matallic purple finish make this model most eye-catching wherever it goes.



Matallic purple finished fuel tank is another accent in appearance, and meters are very readable.



Performance figures of its powerplant are so exciting and exceed levels in its class.

### PERFORMANCE

Max. speed range ..... 135—145 km/h (85—90 mph)  
 Climbing ability ..... 24 degrees  
 Min. turning radius ..... 2,100 mm (82.7 in.)  
 Min. braking distance ..... 15 m @50 kg/h  
 (49 ft. @31 mph)

### ENGINE

Type ..... 2-stroke 5-port Parallel Twin  
 Displacement ..... 195 cc (11.89 cu.in.)  
 Bore & Stroke 52x46 mm (2.047 x 1.811 in.)  
 Compression ratio ..... 7.1 : 1  
 Max. horsepower ..... 22 hp @7,500 rpm  
 Max. torque ..... 2.17 kg-m (1.57 ft-lb)  
 @7,000 rpm

### SPECIFICATIONS

Lubrication system ..... Autolube  
 Starting system Electric & Primary kick starter  
 Transmission ..... 5-speed gearbox

### DIMENSIONS

Overall length ..... 1,905 mm (75.0 in.)  
 Overall width ..... 780 mm (30.7 in.)  
 Overall height ..... 1,085 mm (42.7 in.)  
 Wheelbase ..... 1,245 mm (49.0 in.)  
 Min. ground clearance ..... 150 mm ( 5.9 in.)  
**WEIGHT (Net)** ..... 116 kgs. (255 lbs.)  
**FUEL TANK CAPACITY** 9 liters (2.4 US gal.)  
**OIL TANK CAPACITY** .1.9 liters (2.4 US qt.)  
**TIRES** front ..... 2.75-18-4 PR  
 rear ..... 3.00-18-4 PR



## Belgian Yamaha Stars

Belgian moto-cross riders, such as J. Robert, S. Geboers, and R. Decoster, are playing a very prominent part in the World Championship Moto-cross Series. Here will be introduced two Belgian Yamaha stars so competent enough to appear in the limelight of the world series in near future.

One of them is P. Heck, who is said to be a No. 1 rider in the light-weight class in the National Championship Series, and the other is F. Verhoevern, who is

promising next to him.

They are both under contract with the Thielemaus, Yamaha's distributor in Belgium. Only 20 years old as they are, they have distinguished themselves in this year's events, giving fans a fascinating topic of conversation.

## Yamaha Trail Wins South African Rally

R. Linley of Cape Town, South Africa, on his Yamaha Trail 360cc RT1 led the motorcycle class in the '70 Star Roof of Africa Rally staged in the country. The rally covered 553 miles and lasted for one and a half days beginning on September 20.

The Star Roof of Africa Rally is organized under the roughest conditions, and its course runs through 7 over 3,000-meter mountains which may be said to form the roof of Africa. It was originally designed 3 years ago as an event for special types of motorcars. The course this year started at Lesotha and ended at Maseru.

It was since 2 years ago that the motorcycles have been included in the rally. According to the rules, motorcycles start off some 10 minutes after the last motorcar starts.

In other points quite the same conditions are given to all the participating vehicles and anybody must be the first person to reach the destination to be declared the eventual winner. In spite of the disadvantage that it had to get ahead of the preceding motorcars on narrow mountain

tracks and paths, the Yamaha Trail driven by Linley overcame all difficulties, proving itself a no mean foe to 4-wheeled vehicles.

Eventually Linley finished fourth overall, but he of course led the motorcycle class and the second place of the class was won by C. Meyer also riding a Yamaha machine.

In one of the roughest rallies in the world Yamaha trail bikes proved their performance and durability much more superb than expected, to attract the admiration of all those concerned with the rally.



## Danish Speedway Championship

A Yamaha motorcycle led the 250cc class of the Danish Speedway Championship. The picture shows the machine. The engine is a modified version of the YDS6 250cc engine, and the frame, also hand-made, is just like a JAP frame of England.

The race was held on a 1000-meter sand track and the Yamaha rider H. Thomadsen won the race easily, drawing away about half a lap from his rivals on Suzuki, Kawasaki, and Bultaco machines.





# YAMAHA Topics



Shown here is Export Model SW400.

## Yamaha Snowmobile

It is fully 2 years, since the Yamaha snowmobiles, an epoch-making vehicle which has completely changed the life in snowy regions, were put on the market. They are now used widely — for transportation, patrol, rescue, and other various activities on snow and recently they are also playing an active part in the field of sports.

The demand for the machines in foreign countries, especially in those of Europe, is rapidly increasing, and Yamaha have already completed preparations for producing 25,000 snowmobiles designed for export purposes per year, to make more remarkable progress in this field of production.



## Yamaha Outboard Motor Wins Popularity

The Yamaha Outboard Motor Series, underlaid by Yamaha's superb motorcycle-manufacturing techniques, is steadily increasing its share abroad. In Central and South America, especially in Brazil, where immigrants from Japan are very active in every field of society, Yamaha outboard motors recently put on the market are gaining a spectacular popularity because of their superior performance and easiness of operation. Yamaha outboard motors were originally imported by the Taiyodo, importer in Brazil, with much hesitation, but they are now selling remarkably well and leading the market, surpassing their famous rival



## Sydney Motor Show

In Australia, whose vast plains are best suited for trail riding by motorcycle, the Yamaha Trail Series is now enjoying a rapidly increasing popularity.

In the motor show recently held in Sydney the Yamaha corner was full of attentive spectators every day, achieving a special popularity among young 2-wheel enthusiasts.

The picture shows a very happy winner Ted Weidner (right) in a contest held

## 実業のストライク

SELEÇÕES ECONÓMICAS



Shown here is a Yamaha Outboard Motor P-250, introduced in "Business Brazil," a magazine in Japanese published in Brazil.

brands of old standing, such as Johnson and Mercury.

## He is a Yamaha Fan

Mr. Karajan, a great conductor who fascinates music fans all over the world with his single baton, is, as a private citizen, a car mania and motorcycle enthusiast.

He drives skillfully a Porsche 908 converted for racing purposes, but usually, he uses a motorcycle — Yamaha, of course, he chose.

During his vacation he reportedly makes a point of enjoying his Yamaha 250 Sports, a feeling of 140km/h speed.

during the session, being presented with a Yamaha CT1 as a prize, and an American songwriter and TV star Tommy Leonetti who drew the winning ticket.

\$1200 which was raised by the contest is reported to have been all contributed to a handicapped childrens' organization.

### Contributions Invited

Just send us pictures you've taken of stories, interesting happenings or, extraordinary incidences-any-thing if it's about YAMAHA.

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