



A Monthly Journal for Yamaha World-Wide Dealers

YAMAHA NEWS

1973

No. 3

Yamaha Racing Highlight

Yamaha's Brilliant One-Two-Three

Daytona 200-Mile Race

Close-fought
52-lap race



The race was fought for 52 laps on a 3.84-mile circuit incorporating a newly established bend at the back stretch section this year.

Big 750 cc racing machines were entered for this event by Honda, Suzuki and Kawasaki as well as Harley Davidson, Norton and Triumph, all ridden by top class riders of the United States, Canada or Europe. The first seven spots of practice time had been taken by Suzuki and Kawasaki riders.

Spectators' interest focussed on how the lighter and smaller TZ racers challenged such bigger machines.

Reigning world 250 cc champion Saarinen snatched the lead just at the 109 mile of racing, piloting his water-cooled racer in a flawless, dynamic way. Kel Carruthers on a Yamaha, too, climbed to 2nd place some 30 seconds behind Saarinen who continued to establish his commanding lead over others.

Third place was contested between J. Evans on a dealer-sponsored Yamaha and D. Mann on a 750 cc Triumph, but Evans edged out Mann in the final stretch.

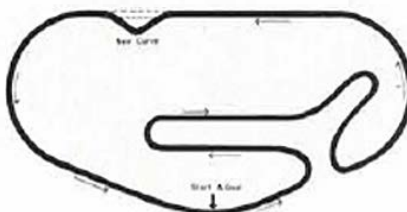
Thus, Yamaha riders brilliantly repeated one-two-three sweeping of the Daytona 200-mile race for the second consecutive year.

The water-cooled TZ 350 production racers ridden by Jarno Saarinen, Kel Carruthers and Jim Evans monopolized the first three places at the expert 200-mile race held at the Daytona International Speedway, Florida of the United States on March 11. The Daytona event is well known as one of the most important international road races to forerun the international sports season each year.

This year's event was organized in extremely hot weather, but attracted a record crowd estimated at 61,200. The number of contestants ran high to a record-breaking 94, too.

Final results

1st.	Jarno Saarinen	Yamaha
2nd.	Kel Carruthers	Yamaha
3rd.	Jim Evans	Yamaha
4th.	Dick Mann	Triumph
5th.	Don Emde	Suzuki
6th.	Conrad Urbanowski	Yamaha





Jarno Saarinen, reigning 250cc world champion became the first foreign rider to win this big event since 1950 when Billy Mathews of Canada finished first, riding a Norton racer.

"Very hot, and very tired", said he after his dramatic victory. In order to fight other larger machines in the 52-lap 200-mile race, I maintained my own pace, leaving everything to the reliable performance of my water-cooled TZ 350. But, I never failed to capture the chance to pull away and take over the lead from rivals on much larger machines".

Fantastic TZ350

The water-cooled TZ 350 production racer demonstrated its fantastically powerful and reliable performance in this year's Daytona 200-mile race. It is accepted by experts that the TZ 350 is the best trained production racer featuring Yamaha's technological merits obtained through many years of grand prix racing all over the world. Its 6-speed gearbox proved advantageous enough to beat much larger machines equipped with the 4 or 5-speed gearbox, despite massive handicap of cylinder displacement.

The winning machine had been tuned up by Kel Carruthers, chief engineer for Yamaha International Corporation in Los Angeles. Carruthers himself finished 2nd, riding another water-cooled TZ 350.



Daytona Race

The Daytona Road Race Meeting annually takes place at the Daytona International Speedway, Florida, USA. Several different class races are run together with various attraction events during a week period. The 200-mile expert race which is run on the fast day, is most famous for the largest entries of top class riders and exciting superbikes in the world. Yamaha's impressive double consecutive 1-2-3 victory aroused tremendous sensation among 61,200 spectators, a record crowd for Daytona.

New Documentary Film

"Yamaha Grand Prix '72"

Brilliant Records of Third
Consecutive G.P Victory

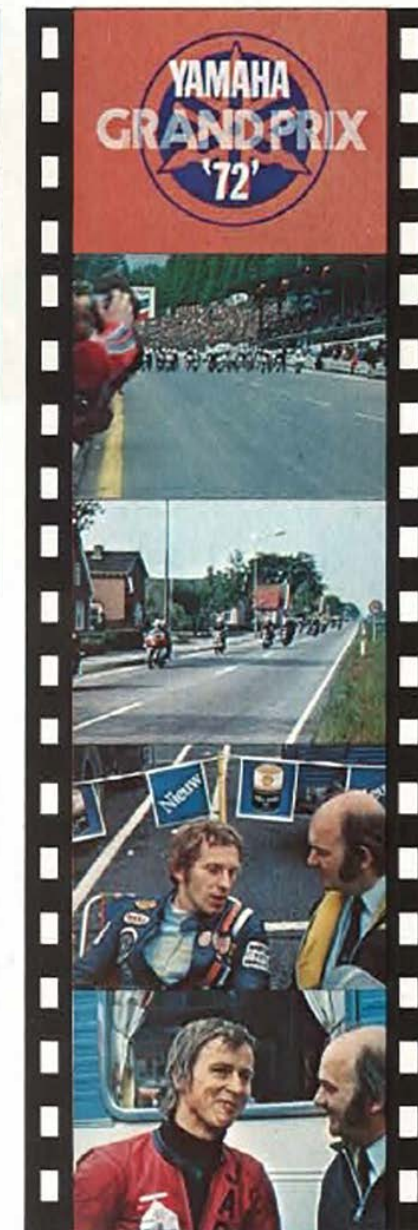


Look at Exciting Scenes! Listen to Victorious Sound!

Yamaha clinched the 250 cc road race world championship for the third consecutive year. The fantastically fast and reliable water-cooled works machines ridden by champion Jarno Saarinen, Rod Gould and other Yamaha riders absolutely highlighted every round of the '72 world championship series. Now, various, impressive and exciting scenes of the TT on the Isle of Man, Dutch TT and Belgian GP have been compiled into a film in a documentary touch. The film is designed to be run at movie theatres and at every meeting of motorcyclists as well.

Details are as follows:

Size:	16mm, all coloured.
Running time:	41 minutes
Narration:	English
Price:	US 450 dollars FOB Japan
*Half value will be borne by Yamaha.	



Commercial Film for 1973



Item:	Commercial Film for 1973
Code:	73.2-E-26E
Running time:	60 seconds plus 30 seconds
Length:	35mm 90-second version 135 ft. 16mm 90-second version 54 ft.
Prices:	35mm 60-second version 45 dollars FOB Japan 35mm 60-second plus 30-second version 60 dollars FOB Japan 16mm 60-second version 25 dollars FOB Japan 16mm 60-second plus 30-second version 30 dollars FOB Japan

*Half price will be borne by Yamaha.

A new commercial film of Yamaha motorcycles for '73 has been completed. It is intended for running on TV and at movie theaters. As exclusive pleasure and utility win higher public recognition, motorcycles are constantly increasing their importance in people's daily life. Yamaha is exerting strenuous efforts to improve all products, aiming for the ultimate in quality, performance and safety as well.

The newly completed commercial film is not designed to publicize any particular model, but arranged in such a way that the brand image of Yamaha may be enhanced overall through various impressive scenes whereby sound, healthy pleasure of motorcycling activities is fully demonstrated by some selected models of Yamaha.

The film has a main 60 second section, together with an additional 30-second section where all models by series are introduced by means of photographs. The latter section can be detached from the main section for separate use, if necessary.

It is narrated only in English, but narration is just It's a better machine, therefore, can serve the purpose in any country.

Yamaha Fishing Boat

This is a new 27-minute documentary film of Yamaha fishing boats which are rendering tremendous service to Japanese fishermen.

Many a highlight scene of how Yamaha fishing boats are utilized for fishing operations of various types around Japan and even on the open sea far away from the fishing bases, is introduced in a very vivid and impressive way.

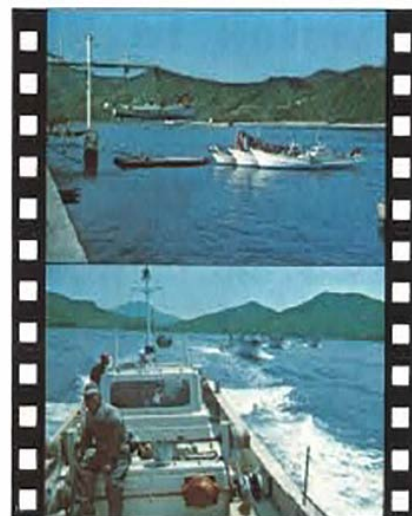
Yamaha fishing boats, all made of fibreglass reinforced plastics, are light in weight and outstanding in seaworthiness. They have appreciably improved the work efficiency of fishing operations, thereby to more enrich the life of fishermen all over Japan.

Details

Running time:	27 minutes
Size:	16 mm
Narration:	English
Length:	16 mm 900 ft.

Price: 350 US dollars FOB Japan

*Half value will be borne by Yamaha as usual.



'73 Snowmobile Championship Series

Yamaha's Victorious March



Snowmobile season for '73 was just over with Yamaha's brilliant victory. The '73 All Japan Championship Snow Scramble Series consisting of three rounds was organized by the Motorcycling Federation of Japan (MFJ), and Yamaha riders won the championship and other major placings in all races they contested.



Equipment for Timeless Touring



Jacket US\$18.06 FOB Japan



Touring bag US\$7.36 FOB Japan



Belt US\$2.88 FOB Japan



Touring bag with belt US\$10.24 FOB Japan

As part of image-up campaign program for the 4-stroke twin street sport models, Yamaha has prepared a set of touring equipment such as a touring jacket, belt and bag, all of which are designed to be used by Yamaha distributors and dealers as tools in enhancing the image of timeless touring by the 4-stroke twin models of Yamaha.

It is recommended that those articles will be utilized as general sales campaign tools, as complimentary gifts to the purchasers of 4-stroke models, or in whatever way as may be suitable for the purpose.

*Half price will be borne by Yamaha.

Yamaha's Utility Models

More Service Rendered

It is undeniable that the small displacement class has long formed one of the main segments on the home market. Their easy handling and excellent economy are highly appreciated by widely ranged users, young or old, and male or female. Those models prove ideal transports for shopping, commuting or any other utility purpose in people's daily life. It attracts particular attention that Yamaha models are constantly expanding their share on this important market here.

Not only individual users but business users cite their Yamahas as the best companions or helpers.



They need no special riding equipment but helmets. Yamahas carry them through city traffic smoothly and quickly.



Postman's work efficiency has been much improved.



Servicemen of a gas company are starting for spot on request.



Many Yamahas at the maintenance shop of gas company.

Yamaha Snowmobiles

Snow is No More Barrier

Snow has ceased to be a barrier to people's life in snowy regions since Yamaha snowmobiles—unique, compact motorized vehicles on the snow—have appeared on the scene.

Featuring every technical merit of Yamaha, their dependable performance and outstanding maneuverability prove most serviceable for safer and smoother going on the snow.



A postman can perform his duties safely and quickly.



The Yamaha has improved the efficiency of woodcutting work.

Fishery Representatives Visit Yamaha

YAMAHA
Topics

17 fishery representatives from 10 developing countries in Africa, Southeast Asia, Middle-Near East and Central-South America paid a three-day visit to the Yamaha Head Office at Iwata, and the plants of outboard motors and FRP boats.

They are all fisheries officers or experts in their respective countries and under one-year term study of fisheries in Japan in accordance with the technical cooperation agreement combined between Japan and

their countries. — Ceylon, Thailand, the Ivory Coast, Kenya, Nigeria, Tanzania, Brazil, Colombia, Western Samoa and Iran.

As part of their study schedule, they visited Yamaha, the leading manufacturer of outboard motors and various FRP boats, in Japan. They looked very much interested in high quality, high performance Yamaha products, and a real state of always-growing Yamaha industrial group introduced by means of films.



Most Powerful Team

Here lined are the members of the Yamaha racing team which is claimed to be the most powerful one in Venezuela.

The team won the '72 Venezuelan championship.

Some selected members of the team are to take part in Juegos Bolivarianos in Panama. Picture: from left to right, Sr. Adriano Mancini (technical manager), Roger Boada, Cirio Corea (champion), Armando Gil, Jose Andrea and Ramon Noriega.

He Wins Special Prize

Mr. I.K. Dairo, a famous singer of Nigeria won the Yamaha L2G as the special prize for his excellent performance in the '72 World Popular Song Festival organized by Nippon Gakki, the world's largest manufacturer of musical instruments and Yamaha Motor's sister company.

The prizegiving ceremony was arranged by J. Allen & Co., Ltd. in Lagos. A photo shows Mr. Dairo sitting astride his new Yamaha with Mr. W. Pretty, territorial manager of J. Allen (right).



CONTRIBUTIONS INVITED

Just send us pictures you've taken of stories, interesting happenings or extraordinary incidences—anything if it's about YAMAHA. A commemorative gift will be sent to those subscribers whose pictures are accepted for publication.

YAMAHA MOTOR CO., LTD. 2500 SHINGAI IWATA SHI, SHIZUOKA KEN, JAPAN.

Be Familiar with Them, Now

Engine lubrication

Every surface of contact is exposed to high friction temperatures when mechanical parts continue to move at high speeds in contact with each other. The surface of contact, therefore, must be kept well lubricated against such a friction heat, otherwise, it will be worn out.

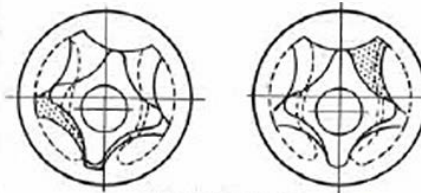
As to the engine, lubrication for crank pins and cylinders is most important.

Lubrication system

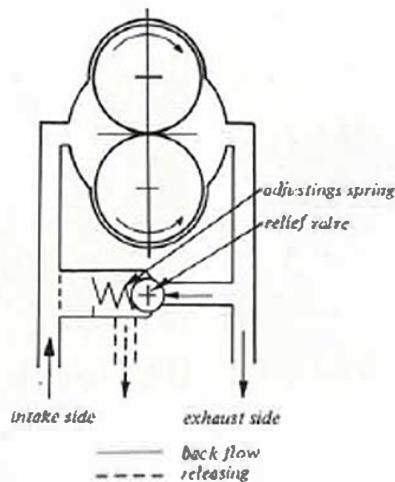
There are several different methods of lubrication. As to the 2-stroke engine, the conventional method was to premix oil with gasoline at a given rate, but the newly developed oil injection method has become more popular in recent years. In this method, oil and fuel are separately supplied to the engine for adequate mixture in accordance with throttle opening and engine rpm. Autolube is one of the most advanced separate oil injection systems.

Dry sump

Lubrication system for the 4-stroke engine. An oil tank is installed separately from the engine. Oil is supplied to valves, crank pins or big ends by means of pumping, and also splashed around the inside wall of cylinder by means of centrifugal force. Surplus oil is immediately pumped back to the oil tank from the bottom of crankcase.



Trochoid pump



Relief valve

Wet sump

Unlike the dry sump system, no oil tank is installed. Oil is stored in the oil sump at the bottom of crankcase.

Oil is supplied to every moving component, by means of pumping, and then, splashed around the inside wall of cylinder. Surplus oil returns to the oil sump by itself.

Plunger pump

Used as an oil pump for most of Japan-made 2-stroke motorcycles equipped with the separate oil injection devices.

Oil is supplied to engine components by means of plunger's reciprocating motion.

Trochoid pump

It is a sort of gear pumps and used as an oil pump. As shown in illustrations, variations in the inside volume of case are utilized for pumping actions.

It has an advantage of injecting larger amount of oil for its size.

Relief valve

A valve which is used to adjust the pressure of lubrication oil for the dry sump lubricating system. It is designed to open for releasing surplus pressure when oil viscosity becomes extremely higher or oil pressure unusually gets higher because of some failure in the lubrication system.

Yamaha Riders Highlight Curtain Raiser for '73 Season in Australia



A couple of Yamaha riders outright highlighted the curtain raiser for '73 road race season in Australia.

Messrs. Gregg Hansford and Barry Lemon, both sponsored by Annand Thompson Pty. Ltd., distributors for Yamaha in Queensland, convincingly swept the meeting held at Surfers Paradise as follows:

Unlimited C Grade	1st	B. Lemon
Unlimited Queensland Rider's Race	1st	C. Hansford
Event 7 Lightweight Race	1st	C. Hansford
	2nd	B. Lemon

Event 8 Unlimited B Grade	2nd	B. Lemon
B Grade Race		
Event 9 Junior Race	1st	C. Hansford
	2nd	B. Lemon
Event 13	1st	C. Hansford

B. Lemon, one of their mechanics, performed excellently, riding his new TR3, and has been upgraded to B Grade for such brilliant successes. They are looking forward to further winning results from this young star.