



A Monthly Journal for Yamaha World-Wide Dealers

YAMAHA NEWS

1972

July

R. Gould Wins Dutch TT on Water-Cooled Yamaha

'72 World Championship Series

R. Gould, ex-champion of 250cc class rode his water-cooled Yamaha to victory at 250cc race of the Dutch TT which was run on the Van Drenthe circuit near Assen on June 24. The 4.8-mile circuit is claimed to be one of the most treacherous ones in the world, incorporating many a tough bend. Gould maintained the lead from start to finish, renewing a race time record set by M. Hailwood on a works Honda six in 1967. With this win Gould climbed to 1st place in the 250cc class championship table.

Water-Cooled Yamaha Proves Unchallenged

British ace and ex-champion R. Gould raced one of the greatest races ever, riding a water-cooled twin works machine of Yamaha. As soon as the 17-lap 250cc race started, he shot ahead to take the lead, followed by reigning champion P. Read and J. Saarinen, both on Yamaha machines, too. R. Pasolini riding a powerful Aermacchi works racer was also among the top group.

Gould had considerably expanded his margins over others by the end of opening lap. On lap second Italian ace pulled ahead of Saarinen, and then caught Read to take second place, catching Gould within his sight. Pasolini did all efforts to close gaps to leading Gould, trying to defend one-point lead in the 250cc class championship table. His desperate challenge proved unsuccessful, eventually. After 17 laps, Gould crossed the line first, setting a new race time record at 54m 07'4 - 90.22 mph for this extremely tricky circuit.

Yamaha's Double - Yugo GP

Swedish veteran K. Andersson riding a 125cc water-cooled Yamaha scored his first win at 125cc class of the Yugoslavian GP, 6th round of the world championship series held on June 18. The 20-lap race developed into a dice between Andersson and his team-mate C. Mortimer on another water-cooled Yamaha.

The only threat came from A. Nieto riding a Spanish Derbi works twin. His attack to catch a leading pair of Yamahas faded away halfway because of plug troubles.

Mortimer led his team-mate into the final lap, but Andersson succeeded in pulling ahead of Mortimer soon after the final lap started, and finished first some 13.4 sec ahead of the team-mate. Mortimer, securing second place, advanced to 1st place in the 125cc championship point table.

In the 28-lap 350cc race, reigning champion G. Agostini on a works MV retired with ignition trouble on the fifth lap. From then on, J. Drapal riding a 350cc TR3 set the pace, and won the race.

Race results

1st	R.Gould	Yamaha	54m 07'4
2nd	R.Pasolini	Aermacchi	54m 13'9
3rd	J.Saarinen	Yamaha	54m 32'4
4th	P.Read	Yamaha	
5th	G.Mandrachi	Yamaha	
6th	O.Memola	Yamaha	

Photo: left
R. Gould on his way to victory

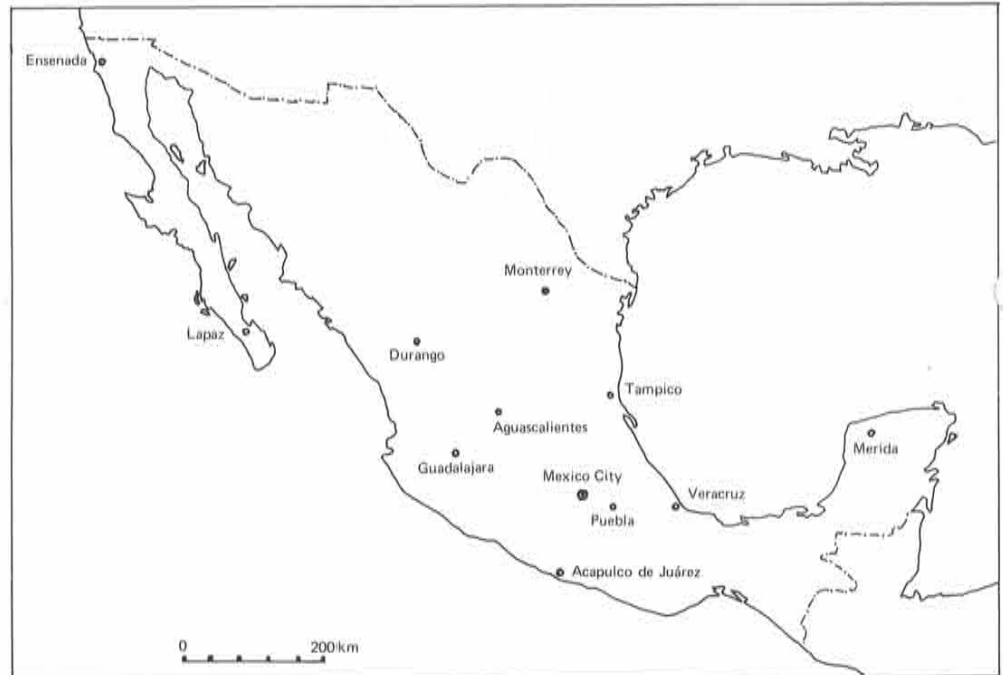


Graphic Reports of Service Campaigns in Mexico

KD Production Program Goes on Smoothly under Technical Aids by Yamaha Motor

Knockdown production of Yamaha motorcycles is now under steady progress in Mexico in line with requirements for the improvement of local manufacture percentage. Mexico located just south of North American Continent is now regarded as one of the most promising markets for motorcycles in many a respect. Accordingly, Yamaha is now directing particular efforts toward the efficient development and expansion of market in close cooperation with local Yamaha distributors and dealers who are all without exception very keen to increase sales by strenuous efforts, too.

The quite same thing can be said of Yamaha outboard motors. Along progressive motorization of fishing method in this country, lightweight Yamaha outboard motors are now fast winning high reputation among fishing people, as they always make greater contributions to large catches of fish.



Nationwide Service Campaigns



Setting out for service campaign trip, taken at Mexico City.

The importance of after-service can not be too emphasized at the time when Yamaha motorcycles are progressively taking a greater portion of Mexican market. Thus, the Yamaha service team consisting of the Yamaha staff and local service engineers conducted a campaign tour around Mexico during a 45-day period. The tour schedule covered almost all the major cities of Mexico such as Mexico City, Veracruz, Tampico, Merida, Aguascalientes, and so on, where the sessions of mechanic school and free machine check were very favorably received by users as well as Yamaha dealers.



Service school session is now under progress.



Everybody is in earnest to learn technical know-how of Yamaha.



A Yamaha banner draws a lot of people.

Tremendous Public Reaction to Campaigns



Mini motocross champion is a 10-year boy on a JT1.



A Yamaha dealer's shop.



Racing stars with their favorite Yamahas

Public reaction to Yamaha service campaigns were tremendous everywhere in Mexico, thereby reflecting the growth of public interest in Yamaha motorcycles. Major local papers gave much space to the introduction of this project. Yamaha service campaigns were a big success, indeed, and the brand image of Yamaha was exceedingly elevated with high level technologies, and well-considered far-reaching after service policy of Yamaha for backgrounds. There must be a substantial increase in sales in the future, accordingly.



Yamaha service campaign enjoyed favorable public reaction.



Not a few Yamahas are used by Police.



A policeman cites his Yamaha as the best.

Steady Sales Growth in Chile



Front view of main office building.

Chile is located at the southwest part of South America, extending some 4,200 km long along the Pacific Ocean, and covering a total area of 741,767km² with a population of approx. 8 million. The capital city is San Diego. Now, the trend of progressive home industrialization is also the case with this country just like many other countries in this part of the world. Taken as a whole, the situation of imports to this country is not always relax, however, Yamaha products such as motorcycles and outboard motors are maintaining a steady rate of increase in sales, respectively, as their high performance in combination with excellent economy is found quite serviceable for various types of usage in this country. Comercial Industrial del Pacifico in San Diego acts as sole distributor for Yamaha, and is constantly exerting noteworthy efforts for sales promotion.



Sales office.



Motorcycle maintenance shop.



Accounting section.



Motor Show in Nigeria

Nigeria now counts among the most enthusiastic motorcycling countries in Africa. The motor show which recently took place in Lagos City, definitely reflected booming motorcycle enthusiasm in this country. In particular, the Yamaha booth arranged by J. Allen & Co., Ltd., Yamaha distributor attracted the largest crowds each day.

Photo: Mr. Meldrum, Divisional General Manager pictured in front.



Yamaha Trail's Fresh Debut

21-inch tire is another innovation

The world-renowned Yamaha trail series consisting of five models ranging from the 360 RT3 and the 100 LT3 has made fresh debut in new sparkling colours. Fuel tanks which are finished gold dust, silver dust, baja brown, brandy red, competition green, hot red or marine blue feature two parallel stripes on the side cover. Overall colouring is felt vivid but solid, representing Yamaha's new motorcycle design concept.

The larger brothers of the series, the 360cc RT3 and the 250cc DT3 are equipped with the new 21-inch front tire to take over the place of the former 19-inch one. Together with the race-proven Torque Induction engine, the larger size tire makes those models more terrainworthy.



Powerful 360 RT3 & 250 DT3



Equipped with the new 21-inch front tire, the 360 RT3 and 250 DT3 have come out as tougher terrain attackers. Powered by the Yamaha-developed Torque Induction engine, those models always ensure outstanding durability and smooth maneuverability on the roughest surfaces. The rear suspension is of double spring type efficient enough to cushion every type of shock coming from riding surfaces. The rotary oil damper works on the viscosity of oil, and dampens shocks and vibrations in an ideal way. The engine features the Autolube to adjust the amount of oil exactly in accordance with different riding conditions. Waterproof and dustfree brakes on both wheels guarantee excellent safety at any times against those models' thrilling and exciting performance. The solid but vivid coloured fuel tank with two stripes running in parallel thereon is a striking accent in appearance.

SPECIFICATIONS OF RT3

PERFORMANCE

Max. speed range 133—135km/h (83—85mph)
 Climbing ability 35degrees
 Min. turning radius 2,000mm (78.7in.)
 Min. braking distance 15m@50km/h (49ft.@31mph)

ENGINE

Type 2-stroke, Torque Induction
 Displacement 351cc (21.42cu. in.)
 Bore & Stroke 80x70mm (3.150x2.756in.)
 Compression ratio 6.3 : 1
 Max. horsepower 32hp @6,000rpm
 Max. torque 3.83kg-m (27.7ft-lb) @5,500rpm
 Lubrication system Autolube
 Starting system Primary kick starter
 Transmission 5-speed gearbox

TIRES front 3.00-21-4PR
 rear 4.00-18-4PR

COLORING Baja Brown

* Specifications subject to change without notice.

SPECIFICATIONS OF DT3

PERFORMANCE

Max. speed range 120—125km/h (75—78mph)
 Climbing ability 35degrees
 Min. turning radius 2,000mm (78.7in.)
 Min. braking distance 15m @50km/h (49ft. @31mph)

ENGINE

Type 2-stroke, Torque Induction
 Displacement 246cc (15.01cu.in.)
 Bore & Stroke 70x64mm (2.756x2.520in.)
 Compression ratio 6.8 : 1
 Max. horsepower 24hp @7,000rpm
 Max. torque 2.53kg-m (18.3ft-lb) @6,000rpm
 Lubrication system Autolube
 Starting system Primary kick starter
 Transmission 5-speed gearbox

TIRES front 3.00-21-4PR
 rear 4.00-18-4PR

COLORING Competition Green and Hot Red

* Specifications subject to change without notice.

Nimble 175 CT3 & 125 AT3



The 175 CT3 and 125 AT3 are nimble and reliable terrain runners. Rugged enduro type front forks smoothly negotiate the most gruelling conditions while riding. Knobby trail tires, on front and rear, feature unusually good roadgripping. Yamaha-exclusive Torque Induction engine ensures timeless and comfortable going over every type of terrain. Like bigger brothers of the series, both models incorporate the rotary oil damper, a device to make use of oil viscosity for reducing vibrations and shocks to a minimum. The wide and well cushioned seat adds extra comfort to terrain riding. The 5-speed constantmesh transmission is fully synchronized for the sake of positive and accurate shifting. The 175 CT3 is claimed to be a unique light-weight off-the-road model, as it performs highly as if it were a bigger displacement model, and at the same time it features 125cc machine's handling ease. On the other hand, the 125cc AT3 straight developed from the world-renowned 250cc trail is proud of its exceptional raceworthiness.



SPECIFICATIONS OF CT3

PERFORMANCE

Max. speed range 107–115km/h (67–71mph)
 Climbing ability 32degrees
 Min. turning radius 1,900mm (74.8in.)
 Min. braking distance 15m@50km/h (49ft.@31mph)

ENGINE

Type 2-stroke, Torque Induction
 Displacement 171cc (10.43cu. in.)
 Bore & Stroke 66x50mm (2.598x1.969in.)
 Compression ratio 6.8 : 1
 Max. horsepower 16hp @7,500rpm
 Max. torque 1.65kg-m (11.9ft-lb) @6,000rpm
 Lubrication system Autolube
 Starting system Primary kick starter
 Transmission 5-speed gearbox

TIRES front 3.25-18-4PR
 rear 3.50-18-4PR

COLORING Gold Dust

* Specifications subject to change without notice.

SPECIFICATIONS OF AT3

PERFORMANCE

Max. speed range 105–110km/h (65–68mph)
 Climbing ability 30degrees
 Min. turning radius 1,900mm (74.8in.)
 Min. braking distance 15m@50km/h (49ft.@31mph)

ENGINE

Type 2-stroke, Torque Induction
 Displacement 123cc (7.51cu. in.)
 Compression ratio 7.1 : 1
 Max. horsepower 13hp @7,000rpm
 Max. torque 1.38kg-m (10.0ft-lb) @6,000rpm
 Lubrication system Autolube
 Starting system AT3F: Primary kick starter
 AT3E: Electric & Primary kick starter

Transmission 5-speed gearbox

TIRES front 3.00-18-4PR
 rear 3.25-18-4PR

COLORING Gold Dust and Marine Blue

* Specifications subject to change without notice.

Compact but Dependable 100 LT3



The world-reputed technologies of Yamaha are fully incorporated in the compact but dependable 100cc trail LT3, too. The novice and the skilled alike find this ultralightweight trail model very serviceable for their varied purposes on terrains.

Attacking steep hills, going over stony fords, threading through woods, and riding out into grassy plains—the 100cc LT3 satisfies every adventurous to a maximum, displaying high and steadfast performance of the Torque Induction engine. Enduro type front forks are ideally rugged enough to withstand every vibration and shock from rough riding surfaces. 5-step adjustable rear suspension enables a rider to change the tension of rear shocks in accordance with varied riding conditions. Riding at night is also safe thanks to the large-size stoplamp and flasher providing extra assurance. 5-speed transmission shows a quick response to every shift requirement and change lever and footrest are so positioned that a rider may handle them effortlessly.

SPECIFICATIONS OF LT3

PERFORMANCE

Max. speed range.....	93–100km/h (58–62mph)
Climbing ability.....	27 degrees
Min. turning radius.....	2,100mm (82.7in.)
Min. braking distance.....	15m@50km/h (49ft.@31mph)

ENGINE

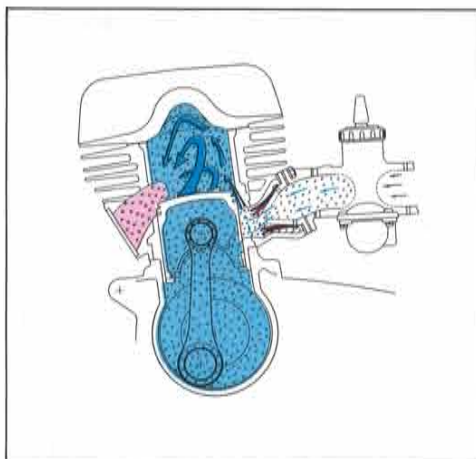
Type.....	2-stroke, Torque Induction
Displacement.....	97cc (5.92cu. in.)
Bore & Stroke.....	52x45.6mm (2.047x1.795in.)
Compression ratio.....	6.9 : 1
Max. horsepower.....	10hp @7,500rpm
Max. torque.....	0.97kg-m (7.0ft-lb) @7,000rpm
Lubrication system.....	Autolube
Starting system.....	Primary kick starter
Transmission.....	5-speed gearbox
TIRES front.....	2.75-18-4PR
rear.....	3.00-18-4PR

COLORING..... Grape, Candy Yellow and Brandy Red

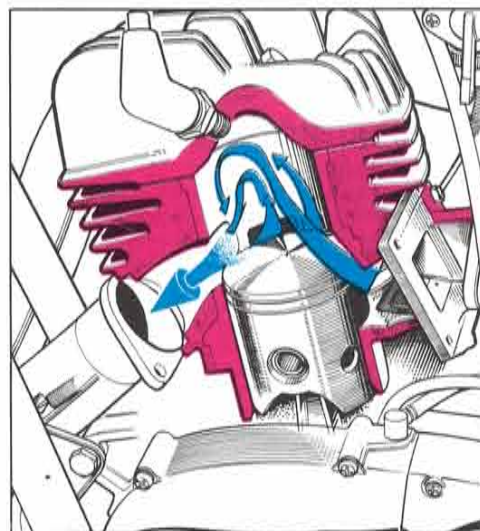
* Specifications subject to change without notice.

Torque Induction Engine

Yamaha-developed Torque Induction engine functions on unique 7-port scavenging system. When two main and two sub transfer ports open with a piston moving downward, new intake of fresh fuel which has been compressed in a crankcase is induced into a cylinder, thereby driving out burnt gas through an exhaust port. This is called a 5-port scavenging system. As for Yamaha's 7-port system, an intake port serves as an additional port for improving scavenging function. The upper part of it opens to induce fresh mixed gas into a cylinder. Then, the inertia of gas flow coupled with the pulsatory motion of 5-port scavenging opens V-type induction valves, resulting in entirely-new direct scavenging. In a word, an intake port takes double action to complete 7-port scavenging function.



*Piston downward (7-port function)



'72 Interlagos 500-Mile

Sao Paulo - Brazil



Yamaha's Sweeping Victory

The Japanese team entered by Yamaha outright dominated the '72 Interlagos 500-Mile Race held near Sao Paulo, Brazil. The team consisting of K. Hiroyuki and A. Motohashi rode their 350cc TR3 production racer to victory, covering a total of 101 laps at a new record time of 6h 03m 53s 6. Hiroyuki set a record-breaking lap time at 3m 22s 6. 2nd and 3rd places were also taken by the Brazilian and Venezuelan teams, respectively, both on Yamaha TR3 racers. The Interlagos 500-Mile Race is the largest event of its type in South-Central America, and Hiroyuki-Motohashi pair proves most successful each year.

Race Results

1st	Japanese Team	Yamaha TR3
2nd	Brazilian Team	Yamaha TR3
3rd	Venezuelan Team	Yamaha TR3
4th	Brazil Local Team	Suzuki 500
5th	Uruguayan Team	Suzuki 500

Race time: 6h 03m 53s 6 (new record), Motohashi-Hiroyuki pair on a TR3

Fastest lap: 3m 22s 6 (new record), K. Hiroyuki on a TR3



Japanese MX Ace K. Seo Displays Wonderful Skills to Win Big International Events

Katsuhiko Seo, '71 Japanese motocross champion who was dispatched to Europe as a representative rider of Motorcycling Federation of Japan (MFJ) won the 125cc class of the international motocross meeting in Sweden, riding a Yamaha 125cc motocrosser. The meeting attracted most of Swedish top class riders on Husqvarna works machines. Seo finished first in both heats and became an overall winner, of course. His impressive riding skills coupled with Yamaha's reliable performance proved

unrivaled.

He repeated his brilliant success in the international event held in Finland shortly after the meeting in Sweden.

Results of International Event in Sweden

1st	K. Seo	Yamaha
2nd	B. A. Bonn	Husqvarna
3rd	T. Jansson	Husqvarna
4th	N. A. Nilsson	Husqvarna

Trans-Continental 7,000-Mile Trip on Yamaha

Alan Proves Them Wrong

Everyone told Alan Ekstrom he was mad when he announced his plan to ride solo on a motorcycle from Tom Price in Western Australia to his Chadstone, Melbourne, home. This week, two months and 7,300 miles later, the 26 year-old electrical engineer rode his DT1 Yamaha 250 Trail into Melbourne to prove them wrong.

Travelling over some of Australia's most rugged outback country to Darwin, across the Gulf of Carpentaria and then down the East Coast, Alan completed the trip with no mechanical breakdowns, no punctures, and averaged an amazing 65 to 70 miles a gallon. He had two low-speed falls and one minor accident with a car, but this is not surprising as before the trip he had barely ridden a bike, let alone owned one.



Troublefree All the Way

After working on the Hammersley Iron Project in the north-west for 18 months, Alan bought the Yamaha second-hand with 1,500 miles on the clock from a friend who had ridden it up from Perth.

Said Alan, "I had had a trip like this in the back of my mind for some time. Dad did a similar run in a car and told me so much about it that I just had to go sooner or later." So after some trail riding practice in rough country around Tom Price with some other bike-owning friends, Alan loaded the Yamaha with camping gear—tent,

sleeping bag, air mattress, torch and water bag, some spare clothing, several books, an extra pair of boots, and a couple of gallons of fuel to supplement the bike's 2½ gallon standard supply.

The actual travelling time on the trip was three weeks with 12 days of this spent at Fitzroy Crossing in the north-west where heavy rains made the road impassable and Alan had to walk the bike through the mire with mud up to the engine. Later in the trip the temperature regularly rose above the century but the Yamaha did not

overheat and gave no trouble.

The only parts replaced on the trip were the ignition coil at Cairns and a spark plug earlier on, which is a fair commendation for the machine.

Said Alan, "The bike could go to London without any major repairs—I couldn't have wished for a better or more reliable machine."

"In fact that is the trip I would like to do next."

C. Rayer, New French Yamaha Dealer in Bid for National Title



26-year old Christian Rayer is now in tougher bid for the French national trial championship of this year. During the period from 1966 through 1970 Rayer dominated the French trial field as a works rider of Spanish Montesa, but he remained rather unhappy throughout the '71 season because of unlucky injuries on a wrist. He eventually lost the title to archrival rider Coutard.

Rayer, a skillful mechanic as well as an

expert rider, has recently signed a contract with Sonauto, distributors for Yamaha in France, intending to launch a powerful hit back as a Yamaha rider to recapture the national championship. His excellent mechanical knowledge and experiences must render tremendous service to the development of Yamaha trial machines. Also, Rayer is now dealing in parts and accessories of Yamaha motorcycles as a new member of Yamaha worldwide family.

YAMAHA Topics

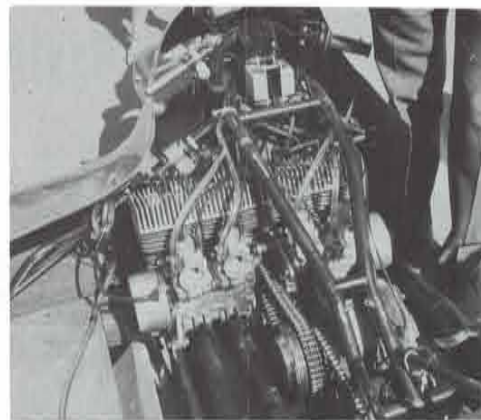


Motorcycle Rally in Indonesia

Lots of Yamaha motorcyclists took part in a big motorcycle rally which was recently promoted by Suraco Motor, a Yamaha dealer in Macassar of Celebes, Indonesia. Group motorcycling of this type is now fast winning high popularity among Yamaha fans all around this country. Each dealer is very much keen to elevate the brand image of Yamaha by conducting free service checks for machines used in rallies.

Bathtub Yamaha

The bathtub racing season has come again in Australia. The national bathtub championship was held on the Queen's Birthday holiday on June 12 on Sydney Harbor. For the championship event which is annually run by the Loyal Port Jackson Bath Tub Society, outboard motors up to 6hp are used, namely, one 6hp motor or twin 3hp motors. Lightweight Yamaha-powered bathtubs always claim high ranks, of course.



A. Cambell's 4-cylinder Yamaha

The 4-cylinder Yamaha sidecar racer ridden by Australian ace Alec Campbell won the South Australian championship event setting a new lap record. Two 350cc 2-cylinder TR2 engines are coupled with each other to make up this fabulous 4-cylinder 700cc Yamaha. Performance is exciting, and reliability is outstanding, too, as are always the case with the Yamaha standard production racer.

Yamaha Wins O.O.A.K.R

The Yamaha Sailboat 15DX won the 7th O.O.A.K.R (One of A Kind Regatta) recently held by the Japan Yacht Association off the Isle of Enoshima, Kanto District. The said regatta is the most important event of this kind annually organized in Japan. The Yamaha proved to be impressively fast and reliable all the way under rather rough weather conditions which caused many of others to upset.



Newcomer

The locally manufactured FRP boat mounted with the Yamaha 25hp P-450 gives fresh fun and excitement to speed enthusiasts in Australia. The boat is named Sea Ranger and built by Cam Fibreglass of Woy Woy. The combination of the boat and the Yamaha is quite amazing. The boat dashed along at an incredible speed of 35 mph with three crew up. With one up it literally leapt out of the water when taking off from a standing start. (Recommended horsepowers with rear steering ranges from

8 to 40 hp, and with forward steering up to 50hp.)



Vancouver International Boat Show

Vancouver International Boat Show is the largest of its type in Canada, and has in recent years drawn in excess of 180,000 people, reflecting evergrowing enthusiasm to water recreations. For this year's show Fred Deeley Limited, the Canadian Yamaha Distributor arranged a large booth, showing the full line of Yamaha outboard motors, and five models of Yamaha boats together with a group of motorcycles representing the full line of Yamaha.



Photo:
Above, an overall view of the Fred Deeley Limited - Yamaha booth. A TRI-10SP with a P-450 engine rotating on a turntable in the left foreground. The special Yamaha outboard motor stand displays the motors on the right while a TRI-12-SDX and Y-9 sailing dinghy are in the centre.

Most Successful

Yamaha riders once again dominated a big motocross held in Westbank, B.C., Canada. The meeting was organized by the Okanagan Motorcycle Club and sponsored by Castrol and Bardahl, and Miller and Wyatt of Kelowna. The meeting was entered by some 90 riders including part of Fred Deeley racing team.

Results

100cc Jr.		
1st	L. McKenzie	FDL Yamaha
2nd	D. Bassingthwaighte	Kawasaki
3rd	Oral peel	Yamaha
125cc Jr.		
1st	R. Dunsire	Yamaha
2nd	L. McKenzie	FDL Yamaha
3rd	R. Quest B	Bultaco
125cc Sr.		
1st	G. McKenzie	FDL Yamaha
2nd	B. Patterson	Bultaco
250cc Sr.		
1st	G. McKenzie	FDL Yamaha
2nd	A. Talbot	Bultaco
3rd	D. Tocker	CZ
250cc Ex.		
1st	B. Kohls	FDL Yamaha
2nd	P.V. Breugel	Bultaco
3rd	S. Flawith	Bultaco
Open Jr.		
1st	B. Kohls	FDL Yamaha
2nd	S. Prince	Maico
3rd	S. Flawith	AJS
Open Sr.		
1st	V. Broz	Yamaha
2nd	E. Dyke	Yamaha

Yamaha Business Information

Evergrowing Yamaha, Spectacular Upswing in Business Attainments for Fiscal April Term

Total sales of Yamaha for the fiscal April term reached a level of 50,600 mil. yen, thus exceeding the last Oct. term by noteworthy 27.1%. Yamaha has held its constant upward trend even at the time when many a maker in various industries in Japan tends to become inactive, more or less, under harder business situation caused by massive upvaluation of yen coupled with an aftermath of 10% surcharge imposed on imports to the United States.

2-wheeler exports registered a favorable 26.4% up from the comparable term of the previous year. Other products of Yamaha such as motor boats, snowmobiles

and outboard motors showed a favorable increase in sales, respectively, both at home and abroad, especially, backed by evergrowing exports to North America and Europe.

Yamaha counted among the best enterprises in Japan in its business attainments for the fiscal April term and also convincingly estimates sales for the forthcoming fiscal Oct. term at a level of much higher than 50,000 mil. yen, thereby attaining an annual level of over-100,000 mil. yen in sales for the first time in history.