

YAMAHA MOTOR NEWS 1991 No.7

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Strong consciousness of the environment

The 20th
TOKYO
MOTOR
SHOW



The biannual Tokyo Motor Show started with an opening ceremony on October 25 to kick off its 2-week run. Held under the theme, "Discovering a New Relationship: Man, Car and the Earth as One," this year's show, with its 3-day longer run than last year, drew a record 2 million-plus visitors before closing on November 8. The Nippon Convention Center (Makuhari Messe), site of the show, was dominated by more than 800 new models and the latest auto innovations from 352 companies, 2 governments and one organization representing 13 countries. In line with the Show's main themes of placing priority on the global environment and driving safety, this grand international fair drew many environmentally friendly vehicles, including solar-powered vehicles, electric cars, methanol-gasoline engine vehicles, a hydrogen rotary engine vehicle and passenger cars equipped with air bag systems, etc.

In the motorcycle division, there were exhibits from 11 manufacturers which, like the automobile companies, focused new attention on environmental issues.

The Yamaha booth featured the MORPHO II, a further developed version of the concept model MORPHO which caused such a sensation at the last Tokyo Motor Show in 1989, as well as an electric scooter FROG, the SRV250, the TDM850, the FLY-ONE scooter, the DIVERSION, the YZR500 machine that just won its second consecutive road race world championship, the Paris-Dakar-winning factory racer YZE750T Super Ténéré and others, for a total of 18 exhibition models among the 34 Yamaha motorcycles on display.

Also exhibited were the Yamaha F-1 racing engine OX-99, the sports kart FK-9, parts and accessories and a selection of Yamaha apparel. (For more show details, see pages 4-5)

4th Yamaha TPM Joint Meeting



The TPM program aims to reduce work loss and waste and optimize facility effectiveness while also making the workplace a rewarding place to work through constant improvement of the relationship between man and the facilities he uses.

On October 31, about 60 representatives from 16 factories in eleven countries worldwide gathered for the 3-day "4th Yamaha TPM (Total Productive Maintenance) Joint Meeting" held in Iwata where Yamaha Motor's headquarters are located.

The first day and a half of the meeting were devoted to reports by the various representatives on the results and benefits of TPM activities at their respective factories. This was followed by a tour of the Iwata Main and 4th factories, and the third day concluded the conference with events at Yamaha's Tsumagoi facility devoted to friendly exchange of opinions among the representatives.

Although some factories already have established TPM programs and some are still in the preparation stage for the introduction of their TPM activities, all of the reports by the participating factories reflected clear managerial policies with regard to TPM activities, often illustrated with analysis of various problems now being dealt with or examples of successful improvements.

TPM activities in the various Yamaha production bases around the world are proving extremely helpful in the manufacture of products loved by customers all over the world and in ensuring that each factory functions within a sound and profitable structure.

1991 F1 finish holds promise for next season

The 1991 F1 World Championship series which began with the U.S. GP in March, came to an end in November with the 16th round Australian GP after an exciting year of racing in 15 countries.

The Brabham-Yamaha Formula One Team came on strong in the second half of this year's season beginning around the 8th round British GP and reaching a new competitive high with Mark Blundell's 6th-place finish in the 11th round Belgium GP and a 5th-place by Martin Brundle in the 15th round Japan GP. The championship points from these two races moved the Brabham-Yamaha team into 9th place in the 1991 constructors championship.

This season, particular attention came to focus on the outstanding potential of the 5-valve, V-12 Yamaha "OX99" engine. For the coming season Yamaha has made a joint agreement with the new British racing organization Jordan Grand Prix Limited. Yamaha and Jordan are already hard at work with test runs of the new F1 machine and the OX99 engine.



Brundle drives in the Japan GP.

Yamaha Motor to take part in Whitbread Round The World Yacht Race 1993-4

Yamaha Motor held a press conference on November 5 to announce that it will form a "YAMAHA Round The World" syndicate to take part in The Whitbread Round The World Race 1993-94. This makes Yamaha the first Japanese corporation in this, one of the world's premier ocean yachting events. We hope to make the "YAMAHA Round The World" a strong contender capable of winning the race.

Much like the America's Cup competition, this race is presently the focus of worldwide attention in the field of international marine sports.

The new Yamaha syndicate will be a cooperative effort with the "Ocean Ventures" syndicate of New Zealand and will have as its skipper Mr. Ross Field, a yachtsman with an outstanding record



YMC's president Mr. Eguchi and Ocean Ventures syndicate members. From left: Messrs. Ogimi, Glen, Eguchi and Field.

of triumphs in ocean racing. The race boat will be designed by the world-famous racing yacht designer Mr. Bruce Farr. The Whitbread has been held once every four years since the inaugural race in 1973. The race starts from Southampton, U.K. and is competed over a 6-leg course that circles the globe for a total of 33,000 nautical miles (approx. 60,000km), stopping in the four countries of Uruguay, Australia, New Zealand and the

U.S.A. The '93 race will start on September 25 and takes about 250 days to complete.

With our participation in the Whitbread, we hope to share the romance and excitement of this grand event with people everywhere who love marine sports.

Snowmobile Vmax-4 selected for Dealer's Choice Awards



U.S.A

Dealers News Magazine awarded the Yamaha Vmax-4 its "Dealers Choice Award" at an awards ceremony held in Las Vegas, Nevada, on September 20 of this year. The Vmax-4 won the number one position in the snowmobile category of a popularity poll conducted by the magazine and answered by some 2,000 dealerships. Snowmobiles are presently gaining popularity as unique utility and pleasure vehicles in North America and the snowy regions of Europe, especially around Lapland. In addition to these conventional uses, grass drag racing held in the snowless off-season is recently becoming popular in North America. Not long after it was launched on the market this year, the Vmax-4 won its debut grass drag race, followed by a number of excellent results in subsequent races.



Only one of these world powers is fun to go camping with.

If you want to get more of a charge out of your next camping or boating trip, take along the world's most popular generator. Take along a Yamaha. They're dependable. A Yamaha power generator goes through thousands of hours of testing before it even gets to you. They're easy to operate. And boiling starts quicker than a Yamaha either. They're also quiet. Now how many other world powers can make that claim? Call 1-800-447-4700 for the Yamaha dealer nearest you.



U.S.A

Gold for World Power Yamaha Generator AD

The prestigious New York Festivals Awards gave a gold medal this summer to the Yamaha consumer generator advertisement titled "Only one of these world powers is fun to go camping with." produced by SAATCHI & SAATCHI DFS, Inc. Only 25% of over 3,700 entries from more than 40 countries were even considered for an award in this prestigious competition now in its 34th year; Yamaha joined the ranks of an elite group of advertisers by winning gold in the four-color consumer ad of less than one page category. The ads were judged by a distinguished group of designers, illustrators, photographers and writers.

HUNGARY



Mail by Yamaha Express

Yamaha's Hungarian importer Jamoto Hungaria has sealed a contract to supply 195 units of the Yamaha SR125 to the Hungarian postal service for the first time. The new Yamahas will be used to deliver express mail in Budapest and the surrounding areas. This contract, signed between Mr. S. Molnar, president of the Hungarian Post and Mr. W. Steinhäusel, general manager of Jamoto Hungaria surely marks the start of a long-term relationship between the two parties.



New 7.4 Hydra-Drive Wins Innovation Award at Chicago Boat Show

Product distinction and uniqueness won the International Innovation Award for Yamaha Motor Corp., USA's 7.4 Hydra-Drive at the 33rd International Marine Trades Exhibit and Convention (IMTEC) held in Chicago from September 26 to 29. Ben Wold, IMTEC show manager and central regional manager for the National Marine Manufacturers Association presented the award to representatives from YMUS and Sanshin Industries. Yamaha has always prided itself on being an innovator in the marine industry. Although Yamaha is relatively new to the stern drive market, the new Hydra-Drive represents its commitment to becoming a leader in this section of the marine industry. Boat manufacturers and marine dealers who handle boat repowering can easily install the new 7.4 Hydra-Drive, which can also be used for dual installations by simply altering the shift cable connection. The Hydra-Drive will also be offered in a variety of boats from 25 of the top US independent boat builders through its Prepared Performance program. The same Hydra-Drive also received an award for design excellence at the Marine Equipment Trade Show in Amsterdam, Holland on November 12.

U.S.A



President Kimura and top executives of YMUS celebrate their International Innovation Award at the IMTEC Show.

FRANCE

2nd MARATHON TÉNÉRÉ

SONAUTO YAMAHA plans to hold the second running of its Marathon Ténéré campaign using the new Yamaha XTZ660. This year's Marathon Ténéré will correspond with the big Paris-Cape Town rally whose long convoy is scheduled to start out on December 25th from Château de Vincennes in Paris and cross all of Africa from North to South. In this event SONAUTO YAMAHA will use its vast African rally experience and

expertise to escort 20 lucky enthusiasts on an adventurous tour to Cape Town, South Africa. The XTZ660 machine to be used on the Marathon is the latest in the line of popular Ténéré models born in 1983 and shaped over the years to meet the test of the Paris-Dakar Rally. The marathon participants will be accompanied by a Sonauto truck equipped for full technical and logistic support.

More Letters!

Thanks for all your letters. We're receiving wonderful letters with interesting topics for Yamaha Motor News from all over the world and every letter we get helps us bring you a more informative and more useful Yamaha Motor News.

Yamaha Spain: Swift Recovery from Misfortune

In September of this year the Yamaha Motor España factory was severely damaged by fire. In spite of the extensive damage, YMES, with the full backing of its sub-contractors, was determined to resume their business and production activities as soon as possible and begin preparations for rebuilding the factory.

Three task forces went to work immediately drawing up recovery plans. The program that was adopted called for the Distribution, Spare Parts and After-sale Service Departments to move into the old L'Hospitalet factory and resume operations by September 30th. On October 7, parts supply for YMES-made mopeds and motorcycles was resumed, followed by the resumption of parts supply for imported models on the 14th. Also from October 7, distribution of JOG 50, Active and Magnum mopeds and FZR1000, XV535 and XV1100 motorcycles to the distributor network resumed. On the 14th, the new 600cc "Diversion" was shipped out to the network, and a press testride event for the model was held on October 24.

Meanwhile, running parallel to this quick business recovery, were steps to resume production. Now, production of the JOG 50 is already underway again, to be followed soon by the JOG 90 and the SR range motorcycles. As for the factory rebuilding, the demolition of the old building began on October 11, and the undamaged extension area is being prepared for manufacturing activities as soon as possible. Present plans call for the full factory facilities to be rebuilt by July of 1992.

The spirit of the YMES staff has not been dampened at all by the major setback caused by the fire. And now everyone in the company is dedicated to getting everything back to normal as fast as possible.



YMES president Mr. Jorge Lasheras astride the first moped produced after the misfortune.

Sports Kart User Club Started

In Japan, major motor sports events like F1 World GP races are growing increasingly popular. Now, styled in the image of an F1 racer, Yamaha introduces the new sports kart FK-9 to be released in December. This new kart is aimed to appeal to such motor sports fans as an accessible participation sports machine almost anyone can enjoy. The FK-9 is powered by a 90cc 2-stroke engine mounted on the frame used for the Yamaha racing Kart RC100SC. A full cowling designed in the F1 image adds an at-

The framework of Y's Kafe Club activities are as follows:

1. Experiencing - Encourage awareness of karting by giving people a chance to actually experience kart driving.
2. Enjoying - Various events are planned that stress the leisure enjoyment aspect of karting, creating the image of a stylish and fulfilling mo-



▲ A Y's Kafe poster picturing F1 driver Aguri Suzuki.



The FK-9. Pictured here is a special photo-purpose coloring

tractive touch to this exciting model. Prior to the release of the "FK-9", Yamaha Motor started the new club system which will serve as the core of its promotional activities in the kart sector, "Y's Kafe", on the first of November. Now member recruiting activities are under way in metropolitan Tokyo, central Japan and around the Osaka area.

tor sport for the mature adult. 3. Sound promotion - License seminars and driving schools are organized to help create an environment for sounder enjoyment of the sport. By joining Y's Kafe, members acquire a number of privileges, such as riding FK-9 machines freely on any club designated course, etc.

Hong Leong Yamaha Distributors of Malaysia celebrated the official launch of its new Yamaha 110SS high-performance moped on July 21. The 110SS, which HLYD believes will become the "talk of the streets," is the flagship of Yamaha's moped range and will set the trend for future moped designs.

The 110SS was developed after detailed market studies showed user demand for a high-performance, high-quality, sports-image bike, and its introduction will enhance Yamaha's top position in the Malaysian motorcycle industry. The official launch at the Holiday Inn in Subang Jaya was attended by over 600 guests including Mr. Quek Leng Chan, HLYD executive chairman, and Mr. K. Nomura, director of Yamaha Motor Co. Guests were captivated by a hi-tech video graphics show as well as by a stunning dance performance. The celebrations also included a "Kagami-wari" sake ceremony and singing of the song, "Together No.1" by the HLYD staff.

Yamaha 110SS "Talk of The Streets"



Japan Dealer tours from Asia, Oceania and South America

From the latter half of October into the first half of November, various groups of Yamaha dealers visited Japan around the time of the Tokyo Motor Show. They were 460 primarily sub-dealers from Yamaha Motor Taiwan, 16 P.T. Yamaha Indonesia Motor Manufacturing dealers with outstanding sales records from the city of Solo, 20 dealers including two lovely AXIS 90 campaign models from INCOLMOTOS, Colombia and 32 selected dealers from Yamaha Motor Australia. One of the highlight moments of the tour for these dealers was the visit to the Tokyo Motor Show, where many appeared thrilled to see the same models they are selling back home on dis-

play in such a grand international exhibition. During their visits to Yamaha Motor's head office, the dealers increased their appreciation of Yamaha products through tours of motorcycle assembly lines and the engine assembly factory with its large number of industrial robots. They were also greeted there at receptions where they had a chance to meet with representatives of Yamaha's top management and other related staff. Being the season when the autumn colors are at their peak, the visitors enjoyed especially beautiful moments on their sightseeing tours to Hakone and Kyoto before returning home to their respective countries.

Pictured here are a select group of the 460 Taiwanese sub-dealers, all of whom achieved exceptional sales records this past year.





Toward more human- and environment-friendly machines

The Tokyo Motor Show now stands as the largest event of its kind in the world, both in reputation and in actual scale. The more than 2 million visitors and 10,674 representatives of the press, including 1,813 from overseas, that attended the show are a clear indication of the scale of this event and the high level of attention the industry is receiving today. This year the Yamaha booth again received a lot of attention and many inquiries from these journalists. The motorcycle, of all the various means of transportation, has become a convenient and indispensable tool in the daily life of people in Southeast Asia and many other

countries. In areas such as Japan, Europe and the North America, the motorcycle has also won widespread popularity as a casual means of enjoying the fun and excitement of leisure and sports. And we believe that the demand for motorcycles, for commuting and for sports, will continue to grow around the world as society moves forward. Further evolution of the motorcycle is necessary, however, for it to become a more rider-friendly vehicle, to co-exist in harmony with the global environment and to provide people with greater excitement and richer lives. This is truly the manifestation of the 29th Tokyo Motor Show's theme;

"Discovering a New Relationship: Man, Car, and Earth as One." To this end, in the "hardware" area, we consider it necessary to make more in-depth study of so-called "humanonics," a new field of technology dealing with the five human senses, in addition to conventional mechanics and electronics. Moreover, the motorcycle is beginning to take a firmer foothold in Japanese society. One indication of this is the rapid progress in the reconsideration of the ban on high school student use of motorcycles. To realize the emerging new role of the motorcycle in society, we think it is more important

than ever before to enrich the "software" area as well. This can be achieved by carrying out such activities as providing more people with the opportunity to know the enjoyment and convenience motorcycles offer and promoting proper riding campaigns, including instruction in traffic rules and riding skills so as to ensure maximum riding enjoyment. Other software-related activities include offering locations and opportunities for the public to enjoy motor sports and helping create a proper environment for sound motorcycle riding.

MORPHO II Concept model

The MORPHO II is a concept model that has been developed as the embodiment of our latest motorcycle technology and an expression of our advanced new technological visions for the years to come. Making a definitive statement on the issues of today's traffic environment, the MORPHO II features 2WS (Two Wheel Steering), CES (Computerized Electronic Suspension), ABS (Anti-lock Brake

System) and other state-of-the-art technology. Also seen on this concept model are futuristic features like an adjustable-protection air management system, an adjustable riding position to personalize the bike to fit each rider's proportions and riding style, and other touches that embody Yamaha's quest for the human-oriented motorcycle.



FROG Exhibition model

Here is an electric scooter that offers outstanding clean performance. The battery that powers the DC motor can be charged at home. Analogue power adjustments are made by an electronic control unit. This is a model that truly fills the role of an ecological transporter for urban life.

SRV250 Exhibition model

This new standard model features an air-cooled 4-stroke, 248cc V-twin engine. Another feature is the first computer-designed orthogonal engine mount system ever on a Yamaha V-twin. By greatly reducing body vibration, this model achieves a new riding feel.



Yamaha Booth hoists its theme "Out into the field where excitement awaits"

The Yamaha booth at the 29th Tokyo Motor Show has been structured around the theme, "Out into the field where excitement awaits." This theme expresses the wonderful world of motorcycling Yamaha envisions as it strives to supply environment-oriented and people-oriented motorcycles that satisfy human sensitivities better than ever before.

The display expresses a number of visions in the form of an "urban scene", with all the commodities, information, life styles and culture that congregate there. The display area is divided into six stages, each with its own technologies and visual presentations, and all connected by means of a bridge symbolizing the continuity of

Yamaha's technological excellence and spirit. All these stages convey Yamaha's message that the motorcycle takes us "out into the field where excitement awaits."

Along the center wall is a display of the MORPHO II. This concept model is a further developed version of the Morpho which created such a sensation when it was unveiled at the 28th Tokyo Motor Show in 1989.

Displayed on the center island of the booth are the new standard model "SRV250", an "SRV250 Tokyo Motor Show Special", an "SR500 Tokyo Motor Show Special" and an "SRX600 Tokyo Motor Show Special" all custom-built for this show. A prototype that is drawing attention as an urban commuter bike for the future is the electric-powered scooter "FROG". Also on display

is the large-size scooter "FLY-ONE" (XC-150) so popular in Taiwan today.

Displayed along the right wall is the "wind tourer" DIVERSION, the product of a new science of air management devoted to creating a wind sensation you can really enjoy. Also displayed here are the newest road sports models including; the human-oriented sports bike "ZEAL"; the grand tourer "FJ1200A", first Japanese market model with ABS; the "R1-Z", a model that embodies the essence of Yamaha's 2-cycle spirit; the TZR250R and the 50cc TZR50 with a striking new color scheme for '92. In the TDM and on/off-road model corner along the left wall are displayed the "TDM850", an entirely new type of road sports model, the continental trail bike "ARTESIA", the widely popular "SEROW

225", the "DT200WR", and as an exhibition model the export enduro competition model "WR250Z".

In line with our position as a world leader in a wide range of motor sports, the Yamaha Booth also displays a corps of racing machines, ranging from the 5-valve V-12 racing car engine "OX99" that is proving its potential on the F1 circuit and a new face on the increasingly hot kart racing scene, the "FK-9", to the '91 Paris-Dakar-winning "YZE750T SUPER TENERE", the Suzuka 8-hour race machine YZF750, the World Road Race Championship winner for two years running, the YZR500, plus the "TZ250" and "YZM250" and more.

There is also Yamaha's accessory corner with its full array of helmets and riding wear.

**TDM850
Exhibition model**

A whole new type of road sports model developed for on-road freedom and comfort. The TDM850 is built for top-performance riding on demanding roads like those of Europe's Alps, with their winding, hilly courses.



FJ1200A

This model has long held a high reputation as a sports tourer in Europe. On display in this show is the first domestic-market production FJ1200A, featuring ABS (Anti-lock Brake System) and developed with the domestic traffic environment in mind.



**DIVERSION (XJ600S)
Exhibition model**

This is a touring model designed for the power and torque riders demand for enjoyable everyday riding. The new 398cc engine as well as the body have been re-designed in every aspect.



ARTESIA

This is a new type of 400cc off-road tourer that is sure to offer the maximum in touring pleasure in the great outdoors. The air-cooled 4-stroke SOHC 4-valve single YDIS engine with an electric starter is mounted on a high-rigidity diamond type frame. Following the tradition of Yamaha big singles, the Artesia also features a dry sump lubrication system utilizing part of the frame as an oil tank.



OX99

The OX99 is an F1 racing car engine developed from our long-proven automobile engine technology. This engine was mounted on the BT60Y of the Brabham Yamaha F1 Team to take part in the '91 F1 World GP. Mark Blundell drove this machine to finish 6th and score his first championship points in the Belgian GP, and then Martin Brundle went on to place an impressive 5th in the Japan GP.

popularity, as exemplified by F1 car racing. Introduced here is a new sports kart model, the FK-9, designed as the embodiment of an exciting F1 image in a compact, controllable machine. The FK-9 employs the combination of a long-proven Yamaha RC100SC frame and a new-design 2-stroke 82cc engine. An F1 racer type cowling assembly enhances this model's appearance.



FK-9

Many different categories of motor sports are rapidly winning



**FLY-ONE (XC 150)
Exhibition model**

With a helmet compartment, cast wheels, front disc brake and a body that suggests 250cc class size, this is Yamaha's largest scooter. It offers a ride with plenty of performance to spare.

OTHER MANUFACTURER'S BOOTHS

HONDA

The display features a wide variety of products including sporty, recreational and commercial models to demonstrate the fun, innovation and convenience of motorcycles. The exhibit suggests a new lifestyle reflecting the more diverse tastes of today's society. The display includes a hydraulic 2-wheel drive model, a trekking bike with distinctive styling and a futuristic feeling, in addition to the NR and CB1000 SUPER FOUR.

ing a two-wheel drive mechanism, this exhibit features a total of 32 motorcycles, including the works machine from the World GP and other models designed for the overseas and domestic markets.



KAWASAKI



The main product on display in this corner is Kawasaki's new model

Zephyr 1100. The company also offers a complete line-up of new models like the ZZ-R400, an on-road model with "travel" as its main theme; the KLE400 as a dual-purpose model and so on.

BIMOTA

The center of attention at the Bimota corner is the first production model ever to feature hub center steering, the "TESI DI". Also on display are the "YB-7" released exclusively for the Japanese market and models like the BELLARIA and DIECI carrying Yamaha engines.



HARLEY-DAVIDSON

This corner features the 10 most popular models in Japan from the Harley-Davidson motorcycle line-up. The highlight model among these ten is an exquisite all-lacquered Electra Glide Ultra Classic, produced to commemorate the start of Harley-

Davidson Japan's business operations with 100% financial support from Harley-Davidson's headquarters in the U.S.



BMW

BMW displays two new models, the R100 Roadster, a street version of the current R100GS, and the K1100LT, with an 1.1-liter engine equipped with a three-way catalytic converter to reduce CO, HC and NOx in the exhaust.



CAGIVA GROUP

The four brands of the Cagiva group, Ducati, Cagiva, Husqvarna and Moto Morini are displayed in this corner. The Cagiva is famous for its "Elephant" mark.



PIAGGIO

Piaggio's principal line Vespa scooters are on display. This line's long-running popularity goes back as far as the movie classic "Roman Holiday" in which Audrey Hepburn rides a Vespa.



SUZUKI

Based around the "FX4", "FX425" and "FX5" concept models employ-

FIRST HELP THEM DISCOVER THE FUN

A San Diego Base Camp Report



The Nippon has undergone extensive tests in San Diego. YMC is both the official builder of the boat and one of the NCAC's official sponsors.

Nippon's Final Surge to the America's Cup



The NCAC San Diego base camp.

The start of the 1992 America's Cup, the pinnacle of yacht match racing is fast approaching. As we have reported already, Yamaha Motor built Japan's first America's Cup challenger, the Nippon, for the upcoming competition, and we are also serving as one of the main sponsors of its syndicate, the Nippon Challenge America's Cup 1992 Committee.

In March of this year, the NCAC set up its base camp for operations in San Diego, and now the syndicate staff and crew are in the final stages of fine-tuning the boat and the crew's training.

The America's Cup Race will start in May, but it can be said that the actual competition for the Cup will begin on January 10, 1992, with the Louis Vuitton Cup, the competition to determine what team will challenge the American defender. We will report on the Nippon team's activities from the base camp as they put their best efforts into this demanding international competition.

The Stage of Final Adjustments is at Hand

The NCAC staff of 50, including the 24-men crew, is hard at work at the Mission Bay base camp, located on the north shore of San Diego Bay. More than ten 40-foot trailers and a large tent for use as a sail loft have been set up at the 4,000-square meter base camp. Each trailer has been assigned a separate function, serving as computer center, machinery storage space, electrical equipment storage space, office, guest rooms and lockers.



The NCAC has been hard at work since its founding four and a half years ago on tasks ranging from building the boat for the Cup challenge to crew training. The crew also has sailed in other world-class match races, and gotten a taste of competition by holding practice races at the San Diego site with other boats participating in the Cup races. They took fourth place in the International America's Cup Class World Championships, a Cup preview race held this year in May, thus winning acclaim as one of the serious contenders for the final competition. The new team's Boat III, whose arrival in San Diego is imminent, has been built with a com-

bination of new data from this race and the data accumulated from Boats I and II, and the active incorporation of crew suggestions. From here on, all that's left is to make sure the boat and the crew are at their peak condition in time for the start of America's Cup races.

Trials to Determine the Challenger Begin January 1992

The Louis Vuitton Cup races to determine which of the competitors will win the honor to challenge the American entry for the Cup, will be held from January 25 to April 29. All boats will compete first in

three round robin preliminary events. As shown in the chart below, the points awarded for a win in the competition increase with each succeeding round. Under this system, no boat or crew can afford to relax after a win, so the matches promise to be hard-fought right to the end. Then, the winning boats will move on to the semifinals and the finals. As of October, ten syndicates had entered nine boats in the competition. Each boat will have to fight its way through more than 40 match races to advance to the final goal, the America's Cup.

Louis Vuitton Cup Schedule

- Jan 25 - Feb 5: First Round Robin (one win, one point)
- Feb 13 - Feb 25: Second Round Robin (one win, four points)
- Mar 8 - Mar 19: Third Round Robin (one win, eight points)
- Mar 29 - Apr 19: Semifinals (between top four boats)
- Apr 20 - Apr 29: Finals (the first boat with four wins takes the Louis Vuitton Cup)

The America's Cup Race consists of seven head-to-head races beginning on May 9.

The challengers who have entered so far are;

- "Nippon Challenge" (Japan)
- "Spirit of Australia" (Australia)
- "Australian Challenge" (Australia)
- "America's Cup De France" (France)
- "Il Molo Di Venetia" (Italy)
- "Mercury Bay Club" (New Zealand)
- "Red Star" (USSR)
- "Desafio Esp a Copa America" (Spain)
- "Yacoma D.O." (Croatia)
- "New Sweden" (Sweden)

The finals to determine the America's Cup defender by the American syndicates will be held starting January 14 between the Stars and Stripes, skippered by Dennis Connor, and the America³.

Yacht races in Japan have still not won a high degree of popular recognition. Interest in this Cup has climbed, however, as the exclusive rights to televise the races starting with the preliminaries have been awarded to a nationwide TV network. Also, nearly 100 people have already applied to go on a special tour for race spectators before the tour schedule had even been finalized.

Meanwhile, in San Diego, the NCAC staff has developed a warm relationship with area residents by attending local parties and holding explanatory meetings when invited to do so.



Final crew training is now underway.



Yamaha riders dominate behind Peterhansel's 2nd

THE 10TH RALLEY DE PHARAONS

The 10th Pharaoh Rally came to a conclusion on October 16 after eleven days of competition over 11 special stages. At this grand rally in Egypt, the riders of the Sonauto Yamaha Mobil 1 team, Stéphane Peterhansel, Thierry Magnaldi, Gilles Picard and Sonauto Yamaha's director, Jean Claude Olivier, all performed magnificently on their Yamaha YZE750s, finishing 2nd, 3rd, 7th and 8th respectively. Another Yamaha rider, Spaniard Carlos Mas of the Belgarda Yamaha Racing Development team also came home with an excellent 5th place performance.

This year's Pharaoh's Rally was competed over a 4,574km course that started at Giza on the outskirts of Cairo and toured once around the country in a clockwise direction. The highlights of the new course was the 4th special stage which featured dunes that dropped as much as 70 meters at a time. The usual sand, gravel and rock plus the tough new course took such a toll that, of the field



The members of Sonauto Yamaha team, Picard, Peterhansel, Magnaldi and Olivier (from left).

of 70 starters in the motorcycle division, only about half finished. The winner of this treacherous survival race was Danny Laporte (Cagiva), followed by Peterhansel and four more Yamaha riders in the top ten. With the Pharaoh's now over it won't be long to the December 25 start of the long-awaited Paris-Cape Town Rally, a race that African rally fans are anxiously awaiting.

RESULTS

1. D. Laporte Cagiva
2. S. Peterhansel Yamaha
3. T. Magnaldi Yamaha
4. E. Orioli Cagiva
5. C. Mas Yamaha
6. M. Morales Cagiva
7. G. Picard Yamaha
8. J. C. Olivier Yamaha
9. D. Trolli Cagiva
10. R. Mandelli Gilera

Hot international competition at Sugo

THE 19TH TBC BIG ROAD RACE

The 19th TBC Big Road Race was held on October 5 and 6 at Sportsland Sugo before a crowd of some 40,500 race fans. Every year Japanese fans look forward to this time of year when they get to see the international stars in action at the TBC race.

On this day, the top Japanese riders of the International A 500cc class competing in the 16th round of their national championship series, were joined by Australians Kevin Magee (Yamaha), Peter Goddard (Yamaha), Michael Doohan (Honda) and Daryl Beattie (Honda) and Belgian Didier de Radigues (Suzuki) to produce a hot and highly competitive field. In the race, Japanese ace Shinji Katayama (Yamaha) was the first one away from the pack into the first turn, only to be overtaken im-

mediately by Radigues with Doohan and Magee in pursuit. By lap three the race had come down to a close fight for the lead between Doohan, Magee and Goddard with Beattie joining the brawl on lap 5. At this point, 5th, 6th and 7th positions were held by Shinichi Ito (Honda), Kenichiro Iwahashi (Honda) and Toshihiko Honma (Yamaha), with Radigues having retired on lap 4.

Just as it looked as if Doohan had gotten a firm hold on first, he took a fall in lap 16 and dropped back to third. In the end it was Beattie who took the checkered first, followed by Goddard and Doohan. The International A TT F1 class race was highlighted by the presence of top international stars Niall McKenzie (Yamaha) from Britain, and Michael Dowson (Kawasaki) and Steve Martin (Suzuki) from Australia. Unfortunately, rain turned the final into a slippery survival race, with Takahiro Sowa (Kawasaki)

emerging as winner and McKenzie finishing 4th behind another Yamaha rider, K. Takahashi.



Japanese motorcycle fans enjoy this annual autumn TBC Big Road Race event every year. (500cc class)

RESULTS

- 500cc class**
1. D. Beattie Honda
 2. P. Goddard Yamaha
 3. M. Doohan Honda
 4. K. Magee Yamaha
 5. K. Iwahashi Honda
- TT F1 class**
1. T. Sowa Kawasaki
 2. S. Miyazaki Honda
 3. K. Takahashi Yamaha
 4. N. McKenzie Yamaha
 5. W. Yoshikawa Yamaha

Moroccan importer sponsors race and riders

In September an enduro race was held in Ben Slimane province, near Casablanca, Morocco. MIFA, Yamaha importer in Morocco, acted as principal sponsor of this important race which drew a field of sixty riders to compete over two laps of a 78km course. And, to further contribute to the development of



motorcycle races in Morocco, MIFA invited 3 riders from Corsica, France including Mr. Miquel Henri, one of the top five riders of the last CORSICA 1000 race. YAMAHA won both categories, with Mr. Miquel Henri from France in the two-cycle category riding a YAMAHA YZ250WR, and a member of the MIFA staff in 4-cycle category riding a YAMAHA TT600. MIFA was also present with a lot of spare



parts and a staff of 3 mechanics to help all the competitors.

RESULTS

1. Miquel Henri (France) Yamaha YZ250WR .2H 07' 07
2. Da Costa Christophe (Morocco) Kawasaki KX250 .2H 18' 43
3. Cantarel Stephane (Morocco) Honda CR500 2H 18' 30
4. Richard Marc (Morocco) (1st 4-cycle) .. Yamaha TT600 2H 18' 37
5. Gauteron Michel (Morocco) Honda XR600 2H 29' 38

Bradshaw shines in last round of Japanese Motocross Championships

Two Yamaha Motocross stars, Americans Damon Bradshaw and Jeff Emik, made the trip to Japan to participate in the last round of the Japanese National Motocross Championship Series, held on November 3 at the Nippon Autopolis course in Kyushu, where their performances thrilled the gallery of 24,000 fans.

In the first heat Bradshaw ran away from the field to victory followed by three more Yamaha riders, Tabuchi, Emik and Kawasaki, for a Yamaha sweep of the top four. Once again in the second heat Bradshaw was unbeatable, and when Kawasaki finished second it completed a perfect Yamaha day with the four above-mentioned riders finishing one



through four overall points as well. The series championship went to Honda's Miyauchi, with three Yamaha riders, Tabuchi, Mitsuyasu and Kawasaki sweeping second, third and fourth positions.

Goddard captures Japanese Championship on YZR500

JAPAN NATIONAL ROAD RACE 500CC CHAMPIONSHIP

The '91 Japan National Road Race Series came to an end with the final round held at the Tsukuba circuit on October 27, and the season crown in the International A 500cc class went to Yamaha YZR500 rider Peter Goddard of Australia (Itariya Yamaha Team Hayashi). The '91 road race series began April 7, and consisted of 11 rounds. The winner of round one, Norihiko Fujiwara (Yamaha) held

the series lead in the 500cc class until round nine at Suzuka, but in the next round he no-pointed when machine trouble forced him out of the race. This gave Honda ace Shinichi Ito a narrow lead in season points and left the championship to be decided in the 11th and final round.

Going into this decisive race, Goddard stood in fourth position in the point standing, having scored a victory at round 5, along with two 2nd place and three 4th place finishes.

In the rainy final race, Goddard move up steadily from a 5th place start to finally take over the lead on lap 12, and went on to take the checkered 2.221 seconds ahead of Shinji Katayama (YMO Racing Team Yamaha) in second.

Last season's champion and another contender for the '91 crown, Ito, went down and out of the race on lap 12. Meanwhile, 3-time national champ Fujiwara finished the race in 11th, leaving him 6 points behind Goddard's season total of 155 and giving the Aussie his first Japanese Championship.



Yamaha Champ in Japanese Trial Series

The last round of the '91 Japan Trial Championship Series took place on October 20 in Gifu Prefecture, and Yamaha rider Yoshihiro Nakagawa captured his first national championship in the International A class.

The seven-round Japan Trial series began with the Kyushu round in April, and Atsushi Ito (Yamaha) became the early point leader, winning three of the first four rounds. When Nakagawa won round five, however, he replaced Ito as series leader.

His lead was shortlived, though, when Ito retook a 4-point lead in the sixth round, bringing the battle for the series crown right down to the last round.

In the final round, Nakagawa came through with a 2nd place



performance compared to Ito's 6th place. This moved him three points ahead of Ito in the point totals to give him his first national crown since moving up to the International A class seven years ago.

High expectations for new Yamaha trail model in Brazil

Yamaha Motor Do Brasil has recently introduced its new DT200 trail model.

The DT200 is an up-scale version of the popular DT180 which has remained a best-seller in Brazil for the past ten years. The new water-cooled 200cc engine with YPVS offers the kind of power that is sure to make it a hit in Brazil with its big enduro market.

Being the company's first big new model release since the TDR 180 was unveiled in November of 1988, the new DT200 was being highly acclaimed even before its official release, as YMDB arranged a succession of promotional events including a press introduction, a dealers meeting and display in the Brazilian transportation industry's show, Brazil Transpo. Some 40 journalists gathered for a press meeting on October 14 at a hotel near São Paulo. Then, on October 19, an unexpectedly large number of dealers, 353 people representing 182 dealerships, turned out for a Dealers Meeting, suggesting the high level of anticipation the DT200's release has aroused. Also in attendance as special guests at the meeting, were representatives of the Argentinian distributor ZANELLA and Uruguay's MOREIRA. Their presence strongly supported YMDB's new image as a full-fledged exporting base for Yamaha products.

Prior to these events, on September 30, a ceremony was held to celebrate the start of production of the RT180 for the US and Canadian markets. At the ceremony, the tape cutting was performed by YMC managing director, Mr. Hitoshi Nagayasu, outgoing YMDB president, Mr. Ukon, and the new president, Mr. Horai. The same YMDB factory is also scheduled to begin production of the DT80 for export to Germany this December.

YAMAHA BRAZIL INTRODUCES DT200



The Dealers Meeting for the DT200.



Start-of-production ceremony for the RT180.



The DT200 on display at BRAZIL TRANSPO.

Yamaha offers an environment-conscious bike for crossing the Antarctic Continent

Yamaha OU70 "Whisper Dancer" to support an expedition of Mr. Shinji Kazama



The OU70 "Whisper Dancer"

Yamaha Motor has developed a new 200cc motorcycle, the Yamaha OU70 "Whisper Dancer" for a crossing of the Antarctic Continent. The aim of this project has been to support Mr. Shinji Kazama's expedition to call people's attention to global environmental issues and the importance of harmony between progressive motorization and preservation of our natural surroundings through his adventurous attempt at the world's first crossing of the Antarctic Continent by motorcycle.

Last year Yamaha Motor established its Environmental Affairs Division based on a new corporate principle of giving prime consideration to preservation of the global environment which has become a matter of worldwide concern today. This has now given birth to a unique new-design, low-noise and low-pollution motorcycle, the Yamaha OU70 "Whisper Dancer", the aim of which is to not disturb the still pristine natural surroundings with noise and pollution.

The "Whisper Dancer" has been developed from a great store of technological data obtained with the modified Yamaha Trail TW200 used in Kazama's unprecedented motorcycle expedition to the North Pole in 1987. Valuable data also came from the modified Yamaha Mountain Trail Serow 225 used in his rehearsal for the coming Antarctic crossing in December of last year.

Mr. Kazama started his crossing of the Antarctic Continent on December 3, 1991, and is expected to arrive at the South Pole around December 30.



The press conference

1991 MARINE JET JAMBOREE IN SAIPAN



Participants gather on the beach

165 Water Vehicle Enthusiasts gather in Micronesia



On October 18 ~ 20, the "1991 Marine Jet (Water Vehicle) Jamboree in Saipan" was held on the island of Saipan in Micronesia. Organized by Yamaha with the aim of promoting Water Vehicle sports and proper riding knowledge and techniques, this event for Japanese users and potential users is now in its fourth year. This year marked

the event's first holding on Saipan.

The 165 participants were divided into three groups for the three days, and enjoyed a schedule of three events - short touring and snorkeling, a slalom time trial and a team relay time trial. All of the participants used the Yamaha MJ-650TX (Wave Runner VXR), ten new models of which were supplied by the local Yamaha importer Joeten Motors.

Each of the groups immersed themselves in Water Vehicle sports from morning until evening. Especially popular was the team relay, which included a section where the motors had to be turned off and the vehicles propelled only with a paddle, much to the amusement of participants and spectators alike. As it turned out, the stars of the competition were a husband-and-wife duo who won not only the men's and women's slalom competitions individually, but also the tandem class as well.

During the events, the courses were also patrolled watchfully by coast guards mounted on police-outfitted Yamaha Water Vehicles.