

# NORRCA OFF-ROAD NATS



BRUNDLE #1

## TAMIYA R/C CHAMPIONSHIP SERIES

Race your way to fame in Tamiya's new 1:10 scale on-road R/C Championship Series. **Race #7 will be October 23, 1994. The race will be on Tamiya America's awesome race track. For registration and race rules, call 1-800-TAMIYA-A. Ask for Dept E.**

**No Entry Fee! Entries are limited to 48 racers per class and all racers must pre-register by mail or fax. Reserve your place now for this free event.**

The Championship Series continues monthly at different locations across the country. Come join the fun as you compete for trophies, national press coverage, even celebrity status. You can race—modified or stock—in Tamiya's Formula Ones, Four Wheel Drives, Front Wheel Drives and Group C cars. All scale replicas of some of the racing world's greatest legends.

To get in on the action, see your R/C retailer for times, dates, locations, race rules and Official Entry Forms or phone 1-800-TAMIYA-A. Then show-up and show-off at the Tamiya R/C Championship Series races nearest you.



Representing competitors from the three categories in Tamiya's 1994 R/C Championship Series—Formula One, 4WD/FWD and 2WD Group C racers. From the left: Benetton B192, Alfa Romeo 155 V6 TI, Castrol Civic and the Nissan R91CP.



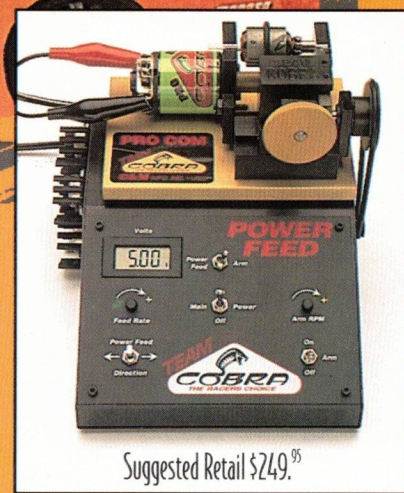
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### Cobra Stock Com 2000K



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# COMPETITION



## PLUS.

### DEPARTMENTS

**6 MAILBOX**

*Letters from Our Readers*

**8 FINISH THE LAP YOU'RE ON**

*Editorial Comments*

**10 PIT BOARD**

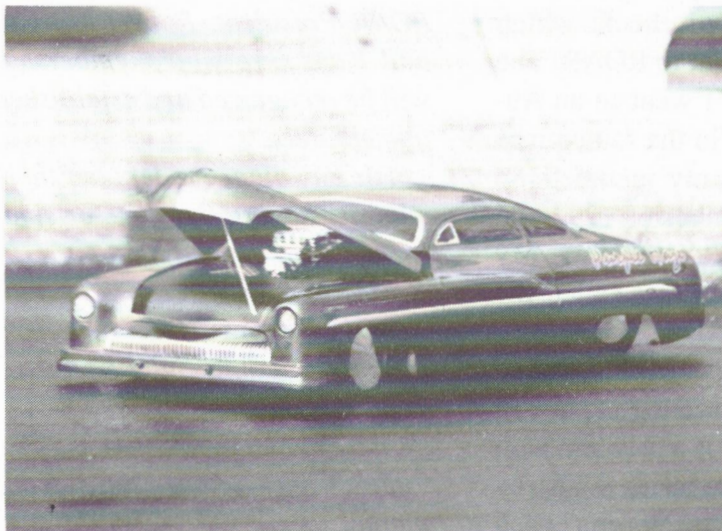
*Late Breaking News*

**57 RACING SCHEDULE**

*Race Locations From Around The Country*

**66 FOR THE RACER**

*New Products In The Marketplace*



### FEATURES

**Page 14**

**TEKINEWS**

**Page 16**

**THE TEAM KINWALD  
MODIFIED MOTOR**

**Page 20**

**1994 NORRCA  
OFF-ROAD  
NATIONALS**

**Page 28**

**HYPERDRIVE'S  
H10 LX  
ON-ROAD CAR**

**Page 38**

**1994 I.E.D.A.  
SEMINOLE  
NATIONALS**

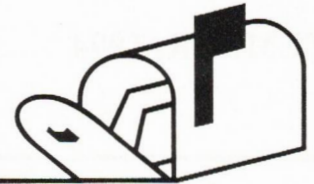
**Page 44**

**THIS MONTH  
IN RACING**

**Page 54**

**CIRCUITS OF  
AMERICA**

# CP's Mailbox



*Competition Plus is a magazine dedicated to racing and racers. From time to time, you may need an open forum to express your ideas or thoughts on racing or a racing subject. This section is for you the racers! Write to: Mailbox, Competition Plus, 23182 Alcalde, Suite K, Laguna Hills, CA 92653 or Fax (714) 830-5108. We'll be waiting for your opinions!*

## WHEEL CHAIR RACER

Dear Peter:

As a "wheelchair R/C racer" for about 35 years, I'm sensitive to whether tracks have a provision for at least one wheelchair on the drivers' stand; that is a "porch" such as found at the Ranch Pit Shop or Outlaw Hobbies; both places I used to race. You see, without setting forward of the other drivers, someone in a wheelchair can't see to the left or right.

At Merced, however, the drivers' stand is too high for any access by wheelchair. So a raised deck was built in front of the stand with a ramp for access.

I hope that other tracks around the country follow this policy of having wheel chair access.

Sincerely,  
**Dean Brown**  
Sonora, CA

## ROAR MEMBERSHIP IN LIMBO

Dear Competition Plus,

Well it happened again. I got the ROAR shaft. Seems as though when I go to a certain sponsored event in Michigan and pay my

membership, I never receive a membership card or Rev-Up. When I checked with the Race Director he said everything was turned in. I was concerned about not getting my membership card so when I got to work where we have a fax machine, I faxed a copy of my receipt and my old card to Florida and I still haven't heard anything yet.

The last ROAR event that I went to was the 1993 Truck Nationals. As covered in your October, 1993 issue, pages 24-35. As you can see on page 34, U Main I placed fifth. Sure I know I'm not a top driver but it's us little guys' money that keeps the big dogs in business.

Now it's July 6, 1994. As of yet I haven't gotten anything back, not even my canceled check, which was made out right to ROAR. The time before this I went to an August 1992 event in the same place and I never got my membership card until December of 1992 and it expired February of 1993. My card came only after I called the President of ROAR.

It seems like something should be done. Every time I go to one of these races there is a problem with membership. Maybe it's their way of saying stay home, we don't need

you.

Thanks for listening and keep up the fine magazine.

Sincerely,  
**William Fry**  
Expired ROAR # 55974

P. S. Enclosed is my receipt and ROAR expired membership card as proof.

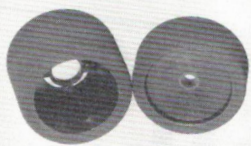
*Editor's Note: ROAR has been working on this problem for over a year now. ROAR President and the Executive Committee recognized there is a problem and will be correcting the membership processing in the very near future.*

*Furthermore, I have sent your membership card and receipt to the ROAR President, Robert Morgan and I am sure your membership will be recognized and established immediately.*

*For any other readers out there who are having the same or similar problem, please write to:*

**MARIE BARANA**  
**ROAR TREASURER**  
23182 Alcalde, Suite K  
Laguna Hills, CA 92653

*P. S. Check out the Editorial this month.*



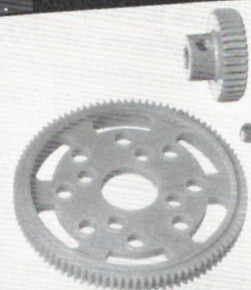
**PARMA PSE**



**JERRY CYRUL**

**JOSH CYRUL**

**ANDY POWER**



# PSE & POWER WIN '94 R.O.A.R. ON ROAD NATS!

**GRAND RAPIDS, MI.** SAW HOT ACTION, BOTH FROM HOT TEMPS AND HOT RACING!!!

THE HOTTEST OF THEM ALL WAS **PSE TEAM DRIVER ANDY POWER.** ANDY SET **T.Q.**, (THE ONLY 17 LAP RUN) AND **WON THE 1/10 STOCK NATIONAL CHAMPIONSHIP.**

**ANDY** AS WELL AS **SIX** OTHER DRIVERS CHOSE THE NOW FAMOUS **PSE MAZDA 792P BODY, PSE BLUE STAR TIRES, LITEWEIGHT PRO PINIONS AND PSE ROCKET SPROCKETS** AS HIS WEAPONS TO ABSOLUTELY DOMINATE OVER THE REST OF THE FIELD.

NOT ONLY WAS THE **PSE MAZDA** SUCCESSFUL IN STOCK, WHEN THE 1/10 **"A" MODIFIED** LINED UP ON THE GRID, **40%** OF THE TOP QUALIFIERS IN THE NATION CHOSE THE PERFORMANCE ONLY THE **PSE MAZDA BODY** CAN DELIVER.

THE NEW 1994 1/12TH **MODIFIED CHAMPION JOSH CYRUL** CHOSE **PSE LITEWEIGHT PRO PINIONS AND ROCKET SPROCKETS** TO INSURE A PERFECT GEAR MESH EVERY TIME. JOSH ALSO QUALIFIED FOR THE **"A" 1/10TH MODIFIED** USING THE **PSE MAZDA.**

FOR THE FIRST TIME IN R.O.A.R. HISTORY A MASTERS CLASS (35 & OVER) WAS RUN, AND CAPTURING **T.Q.** IN BOTH 1/12TH AND 1/10TH WAS STAGE III's **JERRY CYRUL.** USING THE **MAZDA, ROCKET SPROCKETS AND LITEWEIGHT PRO PINIONS** JERRY WON 1/12TH SCALE AND FINISHED A STRONG SECOND IN 1/10TH.

**CONGRATULATIONS TO ALL THE RACERS AND TEAM PSE DRIVERS FOR THE GREAT RACE RESULTS!!!**



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Competition Plus allows its columnists the fullest expression in discussing controversial subjects, so its readers will be better informed. The views expressed may not necessarily agree with those of the magazine.

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# Finish The Lap You're On!

*By Peter Barana*

I've always been a very big supporter of ROAR. Over the last few years I have seen this organization come back from the brink of destruction thanks to some very special people who devoted a great amount of their time and some of their own money. Things are getting better in ROAR, and that is why I have, at times, some reservations about criticizing the organization. Yet, after working the check-in at the recent ROAR Truck Nationals, I realize that something has to be said with respect to the membership processing.

For about 90% of the entries, membership processing was no problem. Several members did not have their ROAR card, but they were on a master list that ROAR supplied me. Unfortunately, this system is not foolproof as several members claimed they had signed up for ROAR, yet they were not on the list and did not yet receive their card. Furthermore, they did not retain their receipt showing they had signed up.

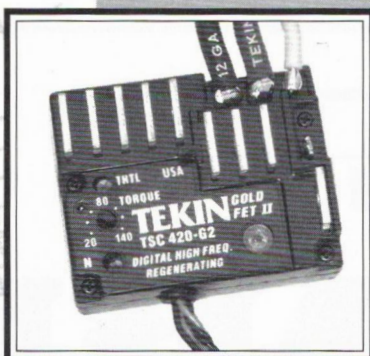
As an avid fisherman and poker player I can tell a lie with the best of them. Furthermore, I can usually read a person and tell if they are being truthful. Many of these drivers claiming to have signed up cracked under my "interrogation". One such party I met with, however, struck me as being sincere with his contention that he had signed up and simply threw away the receipt. I wanted to check him through, but I couldn't. He wasn't on the membership list, he didn't have a receipt, and even though I believed he was telling the truth, I was not assigned to be a human polygraph. I had to go by what the rules said . . . and that meant he could not be confirmed as a member.

The only thing I could tell him if he wanted to race was that he had to re-sign-up for ROAR, and that he would be refunded his money from ROAR once the duplicate membership was finally processed. A simple solution, unless you're a teenager on a limited budget. The extra \$25 could have gone to another motor or some other "speed secret". I'll continue with this topic next month and finally get into some solutions ROAR has to correct this problem.

# SATISFY YOUR NEED FOR SPEED...

Tekin's 420-G2 is the speed control you've been looking for to handle your highest power needs. No other Speed Control compares to its sizzling horsepower.

TEKIN TSC 420-G2

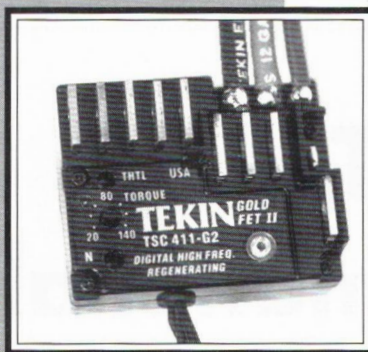


## 420-G2 FEATURES:

- Special High-Current Construction
- External Replaceable Wires
- Super Low Resistance (.00125 Ohm)
- Works with up to 20 Cells
- The Worlds Absolute Fastest Speed Control. Certified land speed record at 105.6 mph !

## 411-G2 FEATURES:

- Adjustable Torque Control
- Dual Brake FETs
- External Replaceable Wires
- Worlds Lowest Resistance (.00125 Ohm)
- Patented Ultra-Efficient Circuitry
- Delivers Serious Horsepower



TEKIN TSC 411-G2/P2

If you are really serious about winning, get your hands on a really serious speed control. The 411-G2 & 411-P2. Tested by world champion drivers to deliver unequaled racing performance. You'll Like It !

For maximum power and fun in either direction it's the 610-R & 610-G. Advanced high power 12 FET design makes them the world's most powerful. Gives you the smoothest control. Makes wheelies, stunts, 180s, and chase scenes all a breeze!

TEKIN TSC 610-G/R



## 610-G FEATURES:

- Adjustable Reverse Delay (0-5sec)
- Proportional Throttle/Brake/Reverse
- External Replaceable Wires
- Uses GoldFETs to power Hot Modified, or Dual Mild Motors without shutting down

## 412-P SpeedSTAR™ FEATURES:

- Suitable for all R/C Model Car Use
- Pre-Installed Connectors
- Uses MegaFET Transistors to easily power Hot Modified Motors.
- No External Diodes Needed
- Small Size... BIG Performance



TEKIN TSC 412-P

When you want TEKIN power on a budget, then get the new 412P SpeedSTAR or the popular and versatile 408S Sport. Never before has so much performance been available for so low a price.

When you're looking for great performance, but aren't worried about being a world champion just yet, then steer toward the 410-S2. It's the right choice for quality, performance, and horsepower.

TEKIN TSC 410-S2



## 410-S2 FEATURES:

- Easily powers Hot Modified Motors.
- Adjustable Torque Control
- Easy 4-Wire Power Hook-up with Factory Installed Plugs
- Very Reasonably Priced

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# PIT BOARD

## Pavidis Takes Reedy International!



Mark Pavidis won the Reedy International Off Road Race in Leeds, England, with his Reedy powered RC10 and Yokomo cars, competing against the top drivers in Europe.

Mark then returned home just in time for the ROAR Off Road Regionals at the Ranch Pit Shop in California, and won the 2WD and 4WD classes with his RC10 and Yokomo cars and Reedy Motors. He's the man to watch!

## PB Diamond SL Runs For The Lead

The PB Diamond SL cars are machined from solid aircraft and aerospace alloys. These good looking cars are proving themselves to be formidable competitors as well.

After four races in the Southwest Championship Series, Shawn Murray with his PB Diamond SL is leading the 2WD class. Shawn's father, David, is close behind in fifth place. David and Shawn were the top two qualifiers at the July 4th Enchantment 100 in Albuquerque, New Mexico and finished second and fourth. John Piehnik, an independent racer, was fifth with his PB Diamond. In the Southwest Championship Series 4WD class, Bailey Whitley is in second place and Scott Barerra is eighth. Between them, their PB Diamond SL cars have three TQ's and two wins out of the four completed races. At the Enchantment 100, Scott qualified second and finished second - only 12 seconds behind, after nearly forty minutes of racing.

Congratulations to these fine drivers for their excellent results.

# PIT BOARD

## New Versions Of The Evolution 10 & Evolution 10LSD

Due to the many requests we have had over the last few months, we have finally released our Evolution 10 and Evolution 10LSD in 2 new versions geared more toward the serious racer. We are now offering the on-road version of the EV10 with all the lightweight after market parts. This kit is an exact replica of the EV10 that Mike Blackstock just used to TQ and win the 1994 ROAR 1/10th On-Road Modified National Championships. Incidentally, this was the second year in a row for the Evolution 10 winning the ROAR National title.

### **Included in this kit:**

*Lightweight purple anodized rear hubs  
Lightweight purple anodized left and right motor plates*

*Large volume purple center shock  
All purple anodized aluminum screws and lock nuts  
New graphite chassis with lower C.G. and radio gear mounting tabs*

*Lightweight super true graphite axle*

These are all the parts that every serious racer will buy for their car kits. Now we offer them right in the kit. There is also a big savings over buying an EV0010 kit and then buying all the lightweight hubs and screws, etc. that most racers will eventually buy.

Until now the Evolution 10LSD has only been available with a Reverse Slot Machine 2 stock motor. A lot of racers who run only modified or race at tracks which do not use the Slot Machine 2 as their motor of choice had to buy the kit with a stock motor. Now we have the Evolution 10LSD available without the motor, for just these people. This is the same kit, but without a motor at a lower cost.

## Formula 1 Racing Comes To Miami

While the cars may be scaled down, the racing action was not! There were passes, crashes, racing strategy and determination - all the high-adrenaline excitement you get with the big guys. This July 24th competition was the fourth event scheduled for Tamiya's R/C Championship Series national racing program. It was held at the Miami R/C Speedway, and co-sponsored by Andy's Hobbies.

The race sponsor, Tamiya, is a leading innovator and one of the world's largest manufacturers of radio control ground vehicles, including scale-accurate, on-road and off-road cars and trucks as well as all-out racing buggies. The company first popularized the sport of R/C racing back in the 1980's, and today is expanding the hobby's accessibility to include enthusiasts of all ages and skill levels.

### **Everybody Wins**

In addition to free entry, all participants received a complimentary Sanyo N1400SCR battery pack.

First place finishers received Tamiya R/C vehicles - Formula 1 or sedan kits valued up to \$250. Trophies were awarded to second and third place in each category. Special plaques were also awarded to honor the efforts of other outstanding competitors, including the top F1, sedan and GT rookie drivers, age 13 and under; the top F1 and sedan class qualifiers; and the best of show in each class plus special Sportsmanship Awards. Even spectators won valuable door prizes, which were awarded following the day's final race.

All this sound like too much to be true? Look for details on upcoming events and join in on all the fun!

CP

# PIT BOARD

## TEAM ORION BATTERIES DOMINATE IFMAR WORLD CHAMPS

---

**T**his day in the French countryside, Team Orion, producer of the world's finest matched cells, added another World Championship to an ever growing list of titles.

At the IFMAR 1/12 Scale World Championships, the TQ and new World Champion chose Team Orion P-170 cells for the awesome power needed to be victorious in the grueling 3-leg final event.

Team Orion was the choice of 8 of the top 10 finalists, including drivers from Great Britain, Japan, Sweden, Holland and the U.S.A., as well as drivers representing many other countries throughout the competition.

Congratulations to Team Orion, the International favorite of Champions, available in North America at Peak Performance.

## Peak! Orion! Losi! They All TQ And Win The 1994 Region 12 Truck Title!

---

Jeremy Kortz, who made a memorable Peak/Orion debut early in '94 with a crushing 1st place victory at the grueling 10-race "Reedy International Race of Champions", has demonstrated his prowess in Truck Class also, capturing the TQ position at the Region 12 Truck Championships and ultimately taking 1st place in the A Main. Jeremy's triple treat combination, motor by Peak Performance, batteries by Team Orion and truck, the LXT by Team Losi.

# **PIT BOARD**

## **Speedworks Super Speedway Showdown #4 At Marshall's Hill Top Hobbies**

---

The Trinity Gang traveled to the hills of Honesdale, Pennsylvania to visit the highly successful Marshall's Hill Top Hobbies. Bill and his wife have a beautiful facility that has been in business for over 8 years. Marshall's features a mega stocked hobby shop with a big indoor carpet oval with pit space and AC for at least 100 racers. Outside there is a dirt off road track, and the reason we came, an asphalt low bank super fast paved oval track. The track is sort of a "D" shape with a really neat tricky turn 2 that would come out and bite you if you tried to cut the apex too close. The track was slightly banked and featured really good traction, without wearing out the tires. In fact, all the Trinity Team ran the same pair of tires all day with no problem at all.

The Speedworks races this year were setup so that the local racer would have a chance to go up against the factory racers at his own home track. Our Team racers

were also there to help people with their cars and motor setups. Also Rick Icker and Frank Polimeda ran a motor, chassis and battery seminar/Q&A session after the racing on Saturday for all the racers. This was really appreciated by one and all.

At these events we feel the actual racing is secondary and we would like to report that a local racer was thrust into the limelight by taking down the factory racers, but this was not the case this time. Trinity's Frank Polimeda was TQ in both Stock and Modified winning both classes over Teammate Rick Icker. Hopefully everyone went home knowing a lot more than when they showed up, and all the help Trinity racers provided will make everyone at Marshall's faster next week. Trinity had a great time racing at your track and we hope that you will invite us back again.

CP

---

# TEKINEWS

Tekin Staff

## *Speed Control Information*

Schottky diodes are a normal part of high frequency speed control operation. Without a Schottky diode, the speed control efficiency goes way down causing a noticeable loss of power. All Tekin speed controls have a Schottky diode. Tekin's exclusive patented circuitry places the diode inside the speed control for the maximum efficiency and easy user installation, and yet still provides protection against reverse voltage, without power loss.

Schottky diodes do generate some heat. The diode used in Tekin speed controls is a heavy-duty, high efficiency type. It is rated at 32 amps. The small round ones sometimes soldered to the motor are rated at 8 amps. Because the Tekin diodes are rated plenty high, they are not stressed in use like the small ones. This means they operate with lower voltage drop and low leakage losses, and therefore have less power loss. The internal speed control diode is away from the other

FETS, so there is no break or power fade. This is one reason Tekin speed controls have so much power and acceleration.

Normally, the small 8 amp motor diode would not handle the load. By soldering the diode to the brush hood, the brush hood acts like a heatsink to the diode, pulling heat out of the diode, and distributing it across the motor brush area, so the diode can handle the power. This raises the temperature of the motor brushes though. In enduro cars the diode sometimes melts the solder off the motor wires due to extra heat. Motor life is probably shortened too.

If you have a motor with a diode on, you may still use the motor with a Tekin speed control. The diode inside the speed control will carry most of the current. The diode on the motor will act as a supplemental diode. This way there will not be excessive power loss and heating of the motor brushes.

If you are using a battery connec-

tor on the battery pack, applying reverse voltage to the speed control will normally never occur. If you race and solder the batteries in and out of the car, you may at some time accidentally connect the speed control backward. If you do connect the power backwards, a diode on the motor will blow out, and you will have to unsolder and remove, or replace the motor diode. This is because the diode will no longer work, and may short out, causing a large power loss, or speed control failure. The diode in the speed control will not blow, just the fuse. The fuse is then easily resoldered.

Because all Tekin speed controls already have a diode inside them, no additional diode is usually ever required on the motor. The only exception is with the model 420 G speed control, when running 12 or more cells. With 12 or more cells, even the 32 amp diode inside the speed control is working hard, and an extra supplemental diode should be used on the motor. This is detailed in the instructions.

# Kisbey AND MODIFIEDS

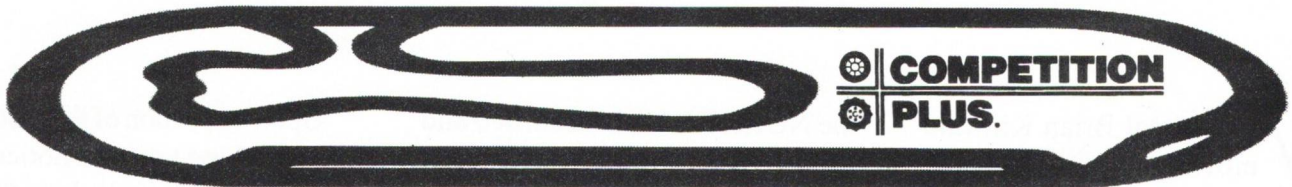
# HP HOBBY PRODUCTS INTERNATIONAL

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PRESENTS

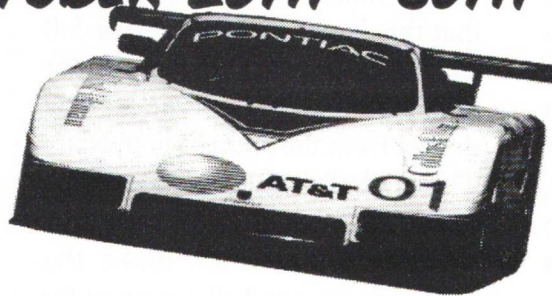
# NORRCA

# 1994 Road Course Nationals 1994 Road Course Nationals 1994 Road Course Nationals



SILVERBOWL SPEEDWAY, RUSSELL RD. & BOULDER HWY., LAS VEGAS, NV  
OCTOBER 29TH - 30TH

## TWISTER



*Andy's*



## BBR

SCALE RACING PRODUCTS

## PEN Racing

PRODUCTS

## STEALTH

BATTERIES

## BUD'S

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**Entry Fees:** \$45.00 for Sportsman Stock & TKS (includes 1 handout motor), \$35.00 for all others.  
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CAR# \_\_\_\_\_ NORRCA # \_\_\_\_\_

(1) SPORTSMAN STOCK \_\_\_\_\_ (2) EXPERT STOCK \_\_\_\_\_ (3) SPORTSMAN MOD. \_\_\_\_\_ (4) EXPERT MOD. \_\_\_\_\_

(5) FORMULA TKS \_\_\_\_\_ (6) 1/12TH EXPERT STOCK \_\_\_\_\_ (7) TOURING CAR MODIFIED \_\_\_\_\_

FREQUENCIES 1. \_\_\_\_\_ 2. \_\_\_\_\_ 3. \_\_\_\_\_ FREQUENCIES 1. \_\_\_\_\_ 2. \_\_\_\_\_ 3. \_\_\_\_\_

Mail entry form with check to NORRCA 1651 W. Foothill Blvd. #232. Upland, CA 91786.

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# The Team Kinwald Modified Motor

By Edward Hall

**W**ill the real Brian Kinwald motor please stand up? There seems to be some confusion in the marketplace over who has the rights to market a motor under the Brian Kinwald name. In case you are unaware, Brian is the current IFMAR 2WD World Champion, a title he won while racing for Team Associated. Right after the race, Brian quit Associated and went to race and work for Trinity Products and Team Losi.

Shortly after, Trinity released the news on the new Team Kinwald off-road motor line, Associated counter attacked with a BK Select (BK naturally for Brian Kinwald). When I decided to do a review of what is hot in off-road motors I came across the fact that 2 different types of motors were using the Kinwald name. Since Brian now races for Trinity, it is only right that we look at the motors that he currently has direct input into, and that he is using to win races. In fact, as I am writing this I learned that Brian has just won

the NORRCA 2WD Modified and Monster Truck Modified National Championships which boasted over 500 entries.

The first thing you will notice is that this is not an EX Tech or 5.0 Championship series Trinity motor with a new sticker. It is an all new design from the endbell to the can. The endbell has been redesigned and cast with multiple air pockets on the inside which make the endbell lighter and allows room for more air to circulate inside of it. Since the Kinwald motors were designed for off-road, the large vent holes in the endbell have been filled to keep dirt out from the commutator.

The brush heatsinks have been designed with a scalloped shape to let the air pass between them and the endbell, and this also increases the total surface area of the heatsinks themselves. The brush hoods have extra clearance for the springs and the corner has been removed for shunt clearance.

Upon inspection of the motor can, the first thing you will notice is the indents into the end where the vent holes are. These channels give the air a way to escape from the back of the can when the motor is bolted into a car. The air is channeled out the side between the back of the can and the motor mount. This is especially effective in an off-road car where it is mounted in place. I must say that a lot of thought was put into air flow management on this motor, all in the quest for cooler running and longer performance.

Next you will notice that the can is made from a very thick material. It is 1.3mm thick and that makes its diameter right out to the ROAR allowed maximum. When I called Trinity about the magnets, which to me seemed stronger, I was told this was due to the thicker can, there is less flux loss through leakage, and a new 5.0 wet pressed magnet material they were using. This new material is slightly stronger, but its main advantage is that the magnetic

field is less effected by heat and the demagnetizing effects the armature. I was told that most of the time when you run your motor and after you are finished, it feels like the magnets are dead, it is a problem caused by the magnetic field generated by the armature demagnetizing the magnets. This has become more of a problem lately due to the motor winds and speed controls being used. The Kinwald Motor goes a long way to solving this problem.

The thicker can will make the motor have more punch and be more efficient, so hotter winds can be run. In fact, the motor cans would be much thicker then they are, but ROAR has a maximum diameter rule which limits how big you can make the motor. Although there is a way to circumvent the rules and it is totally legal. Use a Trinity "Motor Sleeve" (RC4102). This is a coil of iron that weighs almost nothing and it easily slips over the outside of the motor can effectively making the can thicker. This should be put over the can with the motor sticker removed for the best results. If you dyno your motor before and after the sleeve, you will notice a slight decrease RPM's, but a bigger decrease in amp draw and an increase in power. You will just have to change your gearing to take advantage of your new found free power.

The Kinwald Modified motors come in five winds, 11 to 15 turns, and since my local track is rather bumpy but fast, I chose the 13 turn which falls right in the center of the power range. The 15 would be good on slick tracks with long straights and the 11 for tiny high bite

"point it and punch it" tracks, or definitely for dirt oval racing.

Upon taking my motor home the first thing I did naturally was to pull it apart to see what makes it tick. This is made a lot easier by the motor sticker having degrees printed right on it. My motor was set at 25 degrees and I was easily able to set it the same upon reassembly. The armature was wound to the usual Trinity high standards. The armature was an EX Tech type with the balancing sector slot machined into each pole. This allows for neater balancing which removes less material. The more material there is, the better the magnetic field. Having the balancing holes directly in the center of the armature blank also prevents the laminations from being thrown because of an off center hole too close to the edge.

What was impressive was how good the alignment of the can and endbell are. The bearings spin very free and this is really important in making good horsepower. A bad ball bearing, or out of alignment

bearing, can make the fastest armature a real dog. The armature also seems to space well top to bottom in the can. It is not pulled against either bearing by the magnets.

For brushes and springs, the Team Kinwald uses Trinity "Hard Serrated" (RC4380) and Heavy Springs (RC 4033). These brushes are interesting in their design as they have a lined face to make them wear in faster, while not wearing out the commutator. Another feature I discovered that most people don't know is the different radius of the brush face. I have it directly from Neal McCurdy, Trinity head motor designer, that this was a secret and is what makes these brushes work so well. The radius of the brush face is less than that of the commutator itself. So as soon as you put these brushes in a motor, the tips of the brush are touching the commutator. As the motor runs, the tips slightly wear until the center of the brush face is also touching the commutator. There is no change of timing as the brushes wear and the motor performs at almost 100% immediately.

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With all the other manufacturers' brushes only the center of the brush touches the commutator. As the brush wears and the tips finally wrap around the commutator, the timing is different then when you originally set it and there is a lot more wear on the commutator. It was quite clever of Trinity to once again come up with something unique in brushes that actually works.

After putting my motor back together and checking it on the dyno to make sure it was back the way I bought it, it was time to head to the track. I bolted it into my Team Losi XX Buggy and started to take a few slow laps to see how it felt. Punch

and top end were very good and it seemed to run much cooler than my other modified motors. What was really impressive is that when I dynoed it after three runs, it was almost exactly the same as when I first put it on the dyno after taking it out of the package. I attribute this to the can thickness, magnets and brushes. When I pulled out the brushes most of the brush face was touching the commutator, especially the tips. Remember the more the brush wraps around the commutator, the more power your motor will make as the firing duration of the commutator segment is longer.

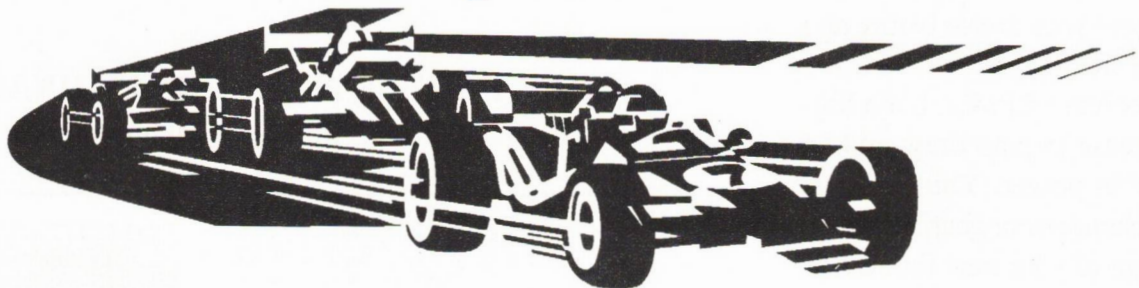
Now a couple of races later, I must say I am really impressed with

the Team Kinwald line of modified motors. Wind for wind, they make more horsepower than other setups and this was tested both on the track and at the dyno by changing motor cans. Plus the repeatability of the motors performance is great. Every time you clean it up or cut the commutator, it seems to run as well as it did before. This is really important when racing, because you want to know when you put your freshened up motor back in for the A Main that it will run as well as it did in the heats.

I like the Team Kinwald modified motors a lot. With this type of horsepower behind him, Brian is going to be impossible to beat!

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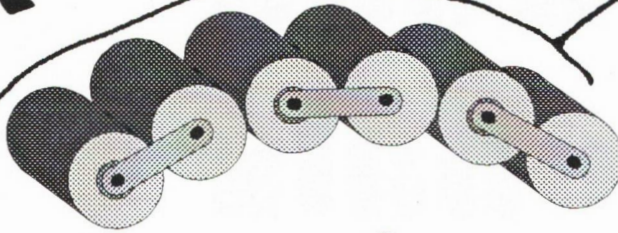
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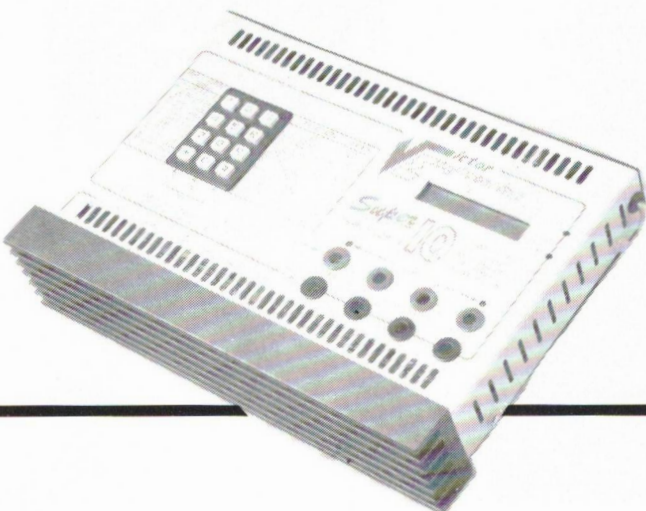
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# 1994 NORRCA Off-Road Nationals

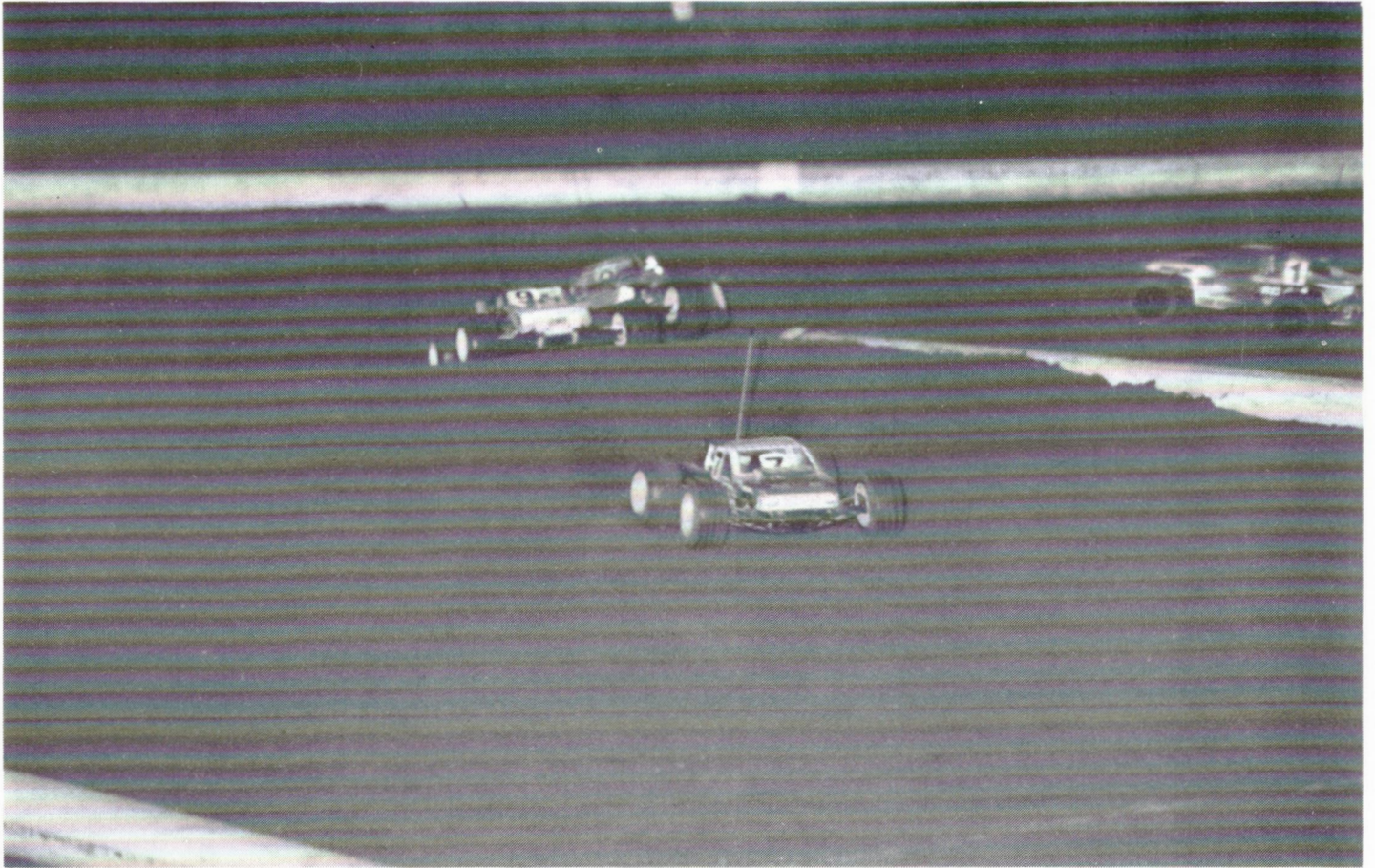
By Rick Stahl

**T**he 1994 NORRCA Off-Road nationals were held in Oklahoma City at the RCRC in typical hot, humid weather. The stage was set; Associated had been on a recent tear, the XX was no longer a prototype and Brian Kinwald was wearing a different color T-shirt. J.R. was in charge, Gene Husting was making a new video. The XXT prototype was being field tested and the list of big dogs was incredible. Jay Halsey, Quincy Hughes, Jack Johnson, Eustace Moore, Tyree Phillips, Kevin Orton, Mark Pavidis, Gil Losi, Jr., Mike Reedy, Carlos Gonzales, Scott Brown, Scott Roberts, Scott Hughes, Mark Francis, Matt Francis, Matt Ledger, Barry Baker. I should have never started this list because how do I stop? But you get the idea.

Qualifying started early Friday morning and the track was prime. If you had the jitters in the first quali-

*Brian Kinwald was the winner of the Factory Mod Truck and the Factory Mod Buggy classes. Here he is seen checking out the scoreboard.*





*Scott Brown leads the Francis Clan and Mark Pavidis*

fier you were history because this appeared to be a first qualifier qualifier. Period. There were very few drivers who improved their times after round one.

There were over 400 entries chasing 11 National titles. Associated's Gene Husting was presented the Team Trophy for best overall performance by certain drivers. However, Team Losi got the Advertiser's award by finishing first in nine out of the 10 2WD classes and Team Trinity won the Investor's award by virtue of two wins in the Factory class and a prime return on their new portfolio.

Steve DeArmon and Rick Yarber, the co-owners of RCRC, were well prepared with parts and food on the premises. J.R. Sitman

kept the race on schedule so that Chris White, Brian Kinwald and Gil Losi, Jr. could catch Cloud 9 out of town on time. Congratulations to all the Left Coast racers that came to Oklahoma and kicked butt.

#### **Expert Stock Truck**

Jimmy Babcock, Jimmy Babcock and Matt Lee won A mains one, two and three. Babcock jumped out to an early lead and drove mistake free to take the win in the first A main followed by Alexander Chavez and Matt Lee. A main number two was Jimmy Babcock, the TQ gone, no mistakes, followed by second qualifier Matt Lee and third qualifier Jason Ashton, start to finish, cut and dried. Game over. Babcock is the champ. Matt Lee won A main number three. Final standings:

Babcock, Lee, Chavez.

#### **Expert Stock Buggy**

Chris White, Barry Baker and Jeff Masse won A mains one, two and three. In the first A main, Barry Baker led 3/4 of the race from his TQ spot with Chris White closing in. On lap 10 Baker flipped and finished behind White. In race two Baker took control with the last half of the race a real battle between Frosty St. Clair and Chris White. Frosty fought off Chris and even flipped and still grabbed the second spot. A main three was awarded to Jeff Masse who had stayed close to the leaders and in a series of major tangles, Masse drove around the piles and held on as Chris White grabbed a second to go with his first place finish and edged Baker by 6/



*2WD Stock A Main*

100 of a second on total laps and time for all three races. Final standings: White, Baker, Masse.

### **Factory Modified Truck**

Brian Kinwald, Mark Pavidis and Brian Kinwald won A mains one, two and three. In A main number one Kinwald shot through the second turn tangle and was gone. Scott Hughes and Scott Brown battled for second early with a little contact along the track. Matt Francis and Mark Francis took advantage and finished second and third. In the second A main TQ, Pavidis got the lead and maintained a safe margin in front of Kinwald, who was almost passed by Gonzales at the finish line. A main number three looked like it would be a showdown between Kinwald

and Pavidis, Losi and Associated, Trinity and Reedy, but it didn't happen. Pavidis led the first lap followed by Carlos and Brian. Carlos took the lead and promptly flipped on the tabletop. Brian said thank you, Carlos closed the gap but couldn't finish off Kinwald. Final standings: Kinwald, Gonzales, Scott Hughes.

### **Factory Modified Buggy**

Matt Francis, Mark Pavidis and Brian Kinwald won A main one, two and three. A main number one was a tight battle between Kinwald and Pavidis to see which one got second because Matt Francis passed both early. Kinwald was the TQ but it took three minutes to work his way up on Pavidis. At the tone Kinwald nudged Pavidis for the pass

taking second behind Matt Francis. In the second A main Pavidis took his payback early after Brian briefly led both Mark and Jason Ruona. Kinwald flipped on the tabletop trying to catch up and Matt Francis grabbed third behind Mark and Jason. The set up for A main three was Kinwald had to win and Matt Francis and Pavidis needed to finish below second. And that's exactly what happened with Carlos finishing half a second behind Kinwald to ace out Matt Francis' chance at the title. Final standings: Kinwald, Francis, Pavidis.

### **Stock Truck**

Charlie Perez turned 12 laps in 4:12.69 to finish an eyelash ahead of his two pursuers and take home the giant trophy to Colorado. Eric



*Factory Mod Truck A Main*

Schoonover had traveled from Iowa and was but one second short at the finish. Third place was garnered by Oklahoma City driver Chad Lamb who was one and a quarter seconds out of first place.

### **Modified Truck**

Todd Freimiller just missed 13 laps on his way to the title in Modified Truck. Todd had also TQ'd the class and was never in trouble, winning by five seconds over Michael Evert and T.J. Herrell.

### **Stock Buggy**

Cameron Bullard bested 50 racers in the Stock Buggy class edging out Taron Bean and Bill Dooley. Cameron has been racing less than six months and has showed steady improvement during his brief career.

Taron Bean took second from his 8th qualifier spot and finished less than two seconds off the pace.

### **Modified Buggy**

Michael Evert did not quite get the job done in the Modified Truck class finishing second, but in Modified Buggy he wasn't to be denied, finishing a comfortable distance ahead of Jorge Tabah and Aubrey Cundall.

### **Expert Modified Truck**

Chris White, Chris White and Brian Dunbar won A mains one, two and three. Chris White borrowed Jack Johnson's LXT. He TQ'd and won the first two A mains turning the only 14 lap main other than factory drivers Pavidis and Kinwald. Brian Dunbar won the

third A main with White on the telephone making arrangements to haul three National Championships trophies back to Washington State. Final standings: White, Dunbar, Darrin Jendreas.

### **Expert Modified Buggy**

Chris White, Chris White and Richard Saxton won A mains one, two and three. The Chris White show continued, TQ and leader start to finish in the first A main followed ever so closely the whole race by Josh Hughes. Both drivers turning in 14 lap runs with a less than one second separation at the finish. Matt Lee finished third. In A main number two Josh Hughes was persistent finishing the second A main less than one second behind White again with Mason Marks in third. Final

A main saw White out of the race eating lunch with Richard Saxton taking first, Matt Lee taking second and Jason Cordell in third. Final standings: White, Hughes, Lee

### Expert 4WD Modified

Mark Pavidis, Matt Ledger and Matt Ledger won A mains one, two and three. In race one Pavidis as TQ got a decent start and led the race for five laps briefly yielding to Ledger and then taking it back with Jeff Wittman coming from way back to finish third. In the second A main Ledger got out early followed by Carlos Gonzales with Pavidis taking over second and Wittman again making up ground late to take third for a second time. The third main would decide the title between Ledger and Pavidis. Pavidis pressed too much and Ledger stayed out of trouble for the win and the title. Final standings: Ledger, Pavidis, Wittman.

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### Final Results

#### 2W Stock

#### A Main

- 1st - Cameron Bullard
- 2nd - Taron bean
- 3rd - Bill Dooley
- 4th - Robert Stone
- 5th - Alexei Guinitaran
- 6th - Jesse DeArmon
- 7th - Brian Pringle
- 8th - Jim Dickenson
- 9th - Eric Schoonover

#### 10th - Tim Smiley

#### B Main

- 1st - David Baker
- 2nd - David Page
- 3rd - Andy martin
- 4th - Donny Bowers
- 5th - Randon Hayes
- 6th - Paul Martinez
- 7th - Michael Perrier
- 8th - Dustin Brewer
- 9th - Steve Bugucki
- 10th - Matthew Perrier

#### C Main

- 1st - Ric Beedy
- 2nd - Justin Dunkin
- 3rd - Dave Hasett
- 4th - Robby Richards
- 5th - Kevin Camp
- 6th - Jeremy Young
- 7th - David Robinson
- 8th - Jason Magnum
- 9th - Ken Sanborn
- 10th - Brandon Battson

#### D Main

- 1st - Brad Mainard
- 2nd - Stan Wenger
- 3rd - Lance Ramsay
- 4th - Shannon Edwards
- 5th - Michael Lacy
- 6th - Al Bogucki
- 7th - WD Smith
- 8th - Russ Wehnau
- 9th - Richard Yarber
- 10th - Richard Holmes

#### E Main

- 1st - Larry Jackson
- 2nd - Ryan Witchey
- 3rd - Bradley Brungardt
- 4th - Mark Hildreth
- 5th - Michael Stein
- 6th - Leon Granger
- 7th - Mark Gisi
- 8th - Brendan Phillips
- 9th - Jerry Harp

#### Expert Stock Truck

#### A Main

- 1st - Jimmy Babcock
- 2nd - Matt Lee
- 3rd - Alexander Chavez
- 4th - Jason Ashton
- 5th - Todd Freimiller
- 6th - Paul Schwander
- 7th - Chuck Erickson
- 8th - Reese Dennis
- 9th - Mason Marks
- 10th - Chris Stahl

#### B Main

- 1st - Brian Gisi
- 2nd - Pat Cordell
- 3rd - Steve Wesselman

#### 4th - Norman Schoonover

#### 5th - Jeramy Carney

- 6th - Tracy Dodds
- 7th - J.J. Villard
- 8th - Mark Wilson
- 9th - Patrick Kivin
- 10th - Matt Pugh

#### C Main

- 1st - Gary O'Brien
- 2nd - Glenn Mohler
- 3rd - Mike Kurtchi
- 4th - Jorge Tabush
- 5th - Ron Goforth
- 6th - Ron Stevens
- 7th - Eric O'Dor
- 8th - Brian Harjo
- 9th - Randall Ratliff
- 10th - Tim Fahey

#### D Main

- 1st - Michael Allen
- 2nd - Brandon Rowland
- 3rd - Clint Fisher
- 4th - Eddie Hill
- 6th - Mark Atterberry

#### Factory Modified Truck

#### A Main

- 1st - Brian Kinwald
- 2nd - Carlos Gonzales
- 3rd - Scott Hughes
- 4th - Mark Pavidis
- 5th - Matt Francis
- 6th - Mark Francis
- 7th - Derek Furutani
- 8th - Quincy Hughes
- 9th - Jack Johnson
- 10th - Scott Brown

#### B Main

- 1st - Barry Baker
- 2nd - Bryan Peterson
- 3rd - Jay Halsey
- 4th - Jason Ruona
- 5th - Jon Anderson
- 6th - Gil Losi, Jr.
- 7th - Matt Ledger
- 8th - Brian Kadov
- 9th - BJ Christensen
- 10th - Scott Roberts

#### Modified Truck

#### A Main

- 1st - Todd Freimiller
- 2nd - Michael Evert
- 3rd - TJ Herrell
- 4th - Jorge Tabush
- 5th - JJ Villard
- 6th - Norman Schoonover
- 7th - Rick Yarber
- 8th - Philo Hatch
- 9th - Steve Cross
- 10th - Eric O'Dor

#### B Main

1st - TJ Moore  
 2nd - Brian Harjo  
 3rd - Mark Atterberry  
 4th - Stuart Speice  
 5th - John Davies  
 6th - Jerry Stringer  
 7th - Clint Fisher  
 8th - Boyd Stevens  
 Expert 2W Stock  
 A Main

1st - Chris White  
 2nd - Barry baker  
 3rd - Jeff Masse  
 4th - David Hill  
 5th - Jason Cordell  
 6th - Jimmy Babcock  
 7th - Frosty St. Clair  
 8th - Boe Bergeson  
 9th - Jody Spillman  
 10th - Jordan Musser

B Main  
 1st - Kyle Simmons  
 2nd - Josh Hughes  
 3rd - Jade Kurtchi  
 4th - Glen Bean  
 5th - Jason Howell  
 6th - Jason Ashton  
 7th - Kurt Wenger  
 8th - Gary Studt  
 9th - John Kolaski  
 10th - Greg Hodapp

C Main  
 1st - Quincy Hughes  
 2nd - Richard Cantrell  
 3rd - Steve Perrier  
 4th - Mike Hoffpauir  
 5th - Paul Schwander  
 6th - Brian Gisi  
 7th - Alexander Chavez  
 8th - larry Stone

9th 0 Kevin Sharp  
 10th - Keith Harrier  
 D Main

1st - Jeramy Carney  
 2nd - Matt Pugh  
 3rd - Steve Benton  
 4th - Beau Strotman  
 5th - Gregg Fritchey  
 6th - JD Webster  
 7th - Michael Evert  
 8th - TJ Herrell  
 9th - Brian Hall  
 10th - Brent Sherl

E Main  
 1st - Jason Willener  
 2nd - Scott Spear  
 3rd - Mike Principato  
 4th - Robert Baldwin  
 5th - Ron Goforth  
 6th - Frank Sell  
 7th - Tim Fahley  
 8th - Mike Sutherland  
 9th - Cody Jandrakovic  
 10th - Darrin Jendreas

F Main  
 1st - Zachary Jaynes  
 2nd - Chris Stahl  
 3rd - Tracy Dodds  
 4th - Chad Ocobock  
 5th - Casey Ensz  
 6th - Jorge Tabush  
 7th - Kevin Pulford  
 8th - Chet Ellis  
 9th - Ross Gonzales  
 10th - Mike Kurtchi

2W Modified  
 A Main  
 1st - Michael Evert  
 2nd - Jorge Tabush  
 3rd - Aubrey Cundall  
 4th - TJ Herrell

5th - Boyd Stevens  
 6th - Chad Ocobock  
 7th - Ross Gonzales  
 8th - TJ Moore  
 9th - Kyle Rowland  
 10th - Zachary Jaynes  
 B Main  
 1st - Rick Yarber  
 2nd - Kevin Orton  
 3rd - John Donelson  
 4th - John Davies  
 5th - Steve Cross  
 Expert Modified Truck

A Main  
 1st - Chris White  
 2nd - Brian Dunbar  
 3rd - Darrin Jendreas  
 4th - Richard Saxton  
 5th - Matt Lee  
 6th - Jimmy Babcock  
 7th - Jade Kurtchi  
 8th - Gary Studt  
 9th - Patrick McCarson  
 10th - Paul Schwander

B Main  
 1st - Clayton Petree  
 2nd - Mason marks  
 3rd - Tracy Dodds  
 4th - Matt Harrington  
 5th - Alexander Chavez  
 6th - Jeramy Carney  
 7th - Biran Gisi  
 8th - Kevin Sharp  
 9th - Chris Stahl  
 10th - Steve DeArmon

C Main  
 1st - Mike Sutherland  
 2nd - Ron Goforth  
 3rd - Reese Dennis  
 4th - Glenn Mohler

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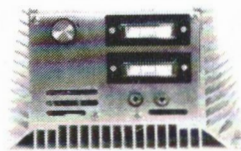
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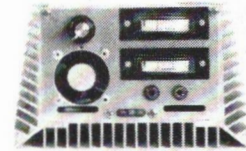
15 amp fixed, 12 amps variable  
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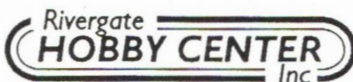
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Factory 2W Modified  
A Main  
1st - Brian Kinwald  
2nd - Matt Francis  
3rd - Mark Pavidis  
4th - Carlos Gonzales  
5th - Jason Ruona  
6th - Jack Johnson  
7th - Greg Hodapp  
8th - Scott Brown  
9th - Jay Halsey  
10th - Scott Roberts  
B Main  
1st - Mark Francis  
2nd - Derek Furutani  
3rd - Jon Anderson  
4th - Bryan Peterson  
5th - Doug Von Mosch  
6th - Quincy Hughes  
7th - Scott Hughes  
8th - Kyle Simmons  
9th - Brian Kadow  
10th - Barry Baker  
C Main  
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2nd - Matt Ledger  
3rd - BJ Christensen  
4th - Eustace Moore  
5th - Frosty St. Clair  
6th - Scott Reister  
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A Main  
1st - Chris White  
2nd - Josh Hughes  
3rd - Matt Lee  
4th - Richard Saxton  
5th - Jason Cordell  
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8th - Jimmy Babcock  
9th - Jack Leigham  
10th - Jeff Masse  
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1st - Brian Dunbar  
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3rd - Joey Tocci  
4th - Jeff Wittman  
5th - Steve Perrier  
6th - Clayton Petree  
7th - Kevin Sharp  
8th - Jade Kurtchi  
9th - Darrin Jendreas  
10th - Frank Sell  
C Main  
1st - Jason Howel

2nd - Darryl Jendreas  
3rd - David Hill  
4th - Brian Gisi  
5th - Brent Sherl  
6th - Patrick McCarson  
7th - Steve DeArmon  
8th - Steve Benton  
9th - Richard Cantrell  
10th - Kurt Wenger  
D Main  
1st - Jordan Musser  
2nd - Alexander Chavez  
3rd - MAtt harrington  
4th - Gary Studt  
5th - Keith Harrier  
6th - Paul Schwander  
7th - Kevin Pulford  
8th - Brian Hall  
9th - Robert Baldwin  
10th - Jody Spillman  
E Main  
1st - Scott Spear  
2nd - J.D. Webster  
3rd - Brant Tomlinson  
4th - Jason Willener  
5th - John Kolaski  
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1st - Stephanie Pugh  
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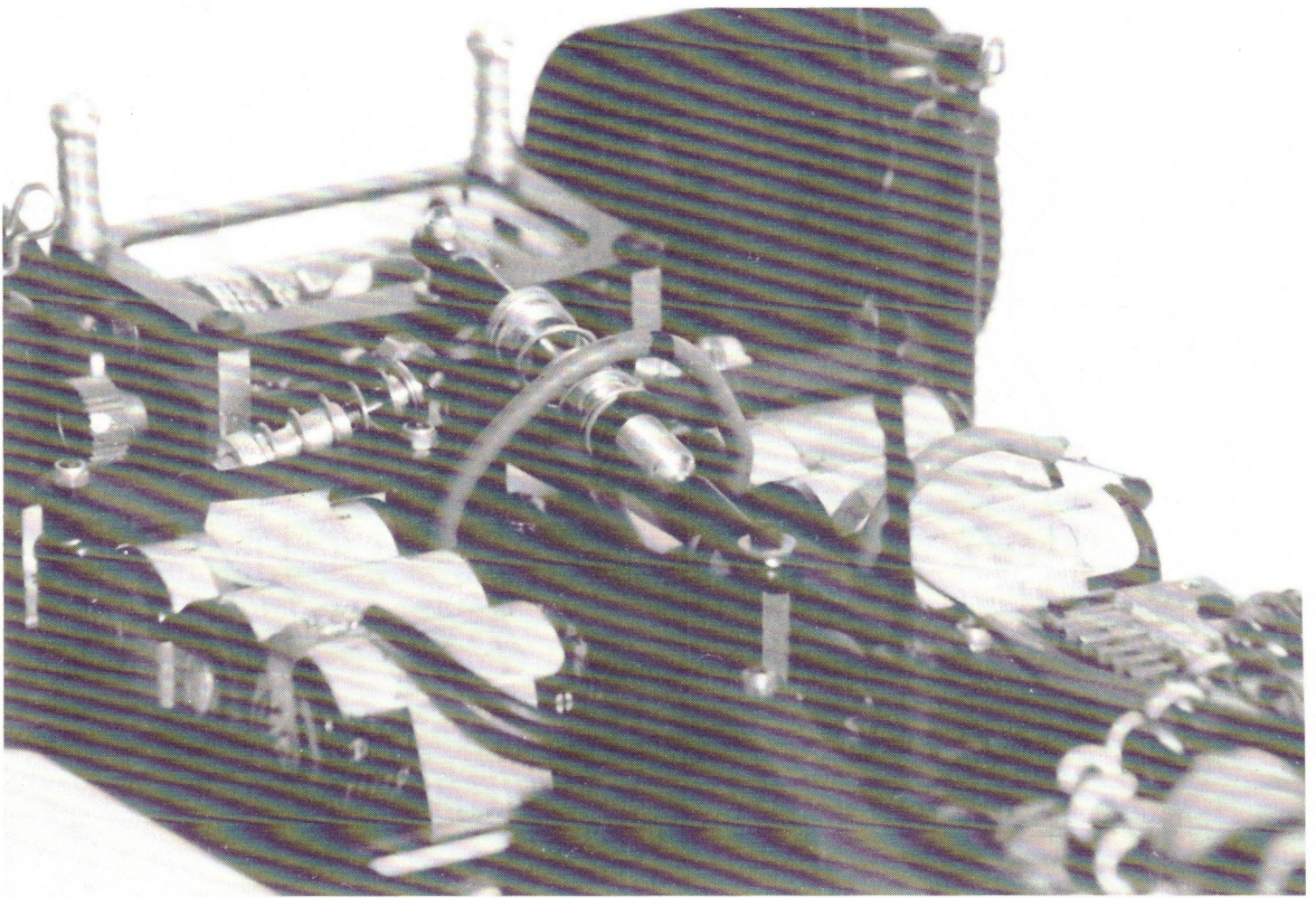
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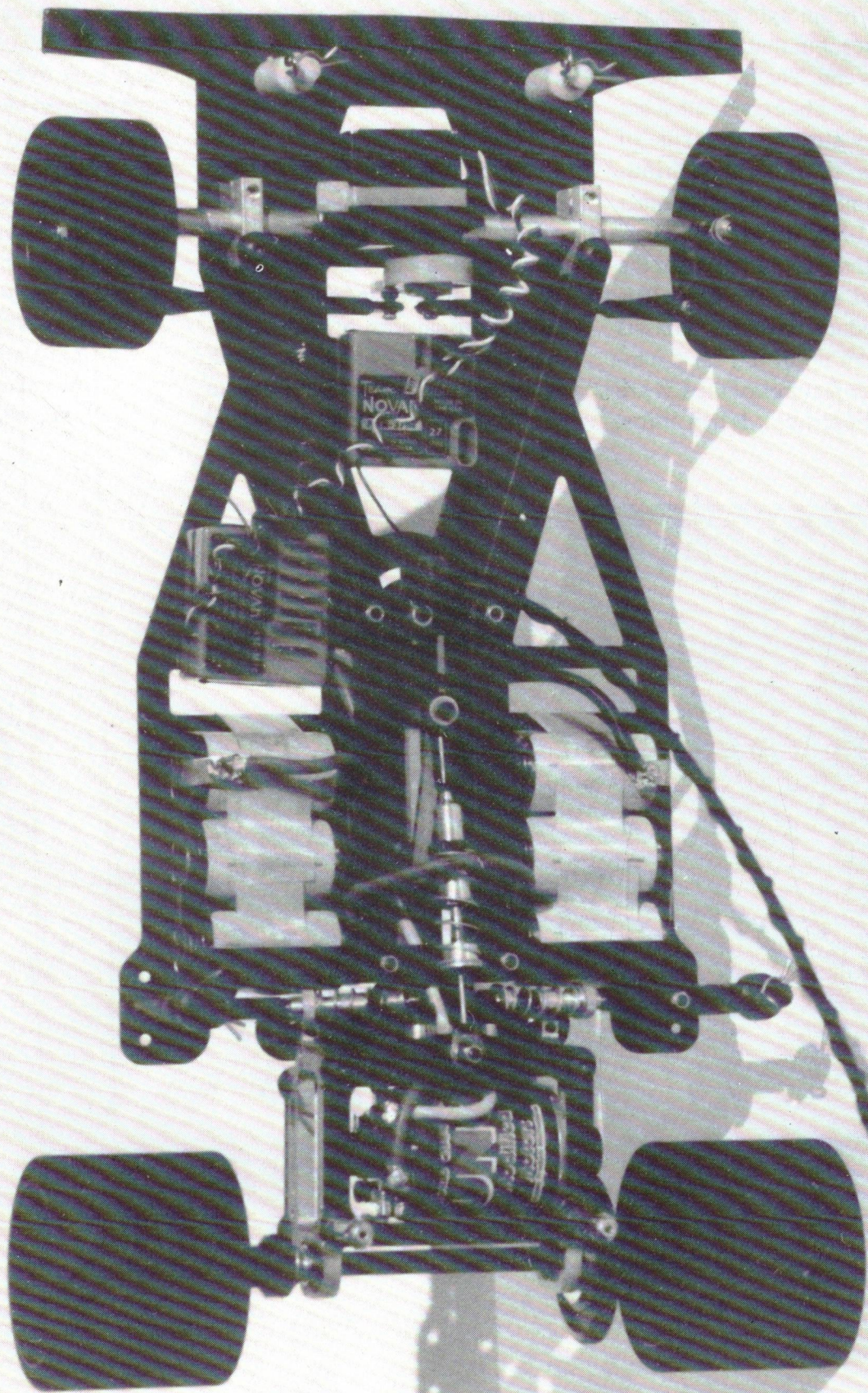
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# *Hyperdrive's* **H10 LX** *On-Road Car*

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**By Jack Wright**

**W**hen many of you hear the name Hyperdrive, the first thing that comes to mind is oval racing. It is true that Hyperdrive is full tilt in the oval realm, but Hyperdrive is also famous for some of the best on road cars to hit the track in recent years. Their latest entry is the new *Top*: Once again Hyperdrive has knocked one out of the park with their three shock suspension system. Take a look around as many other cars are going to this design. *Opposite*: Mounting the electronics is a bit tricky, but what you lose in space you more than make up in stability.



Hyperdrive H10 LX, the LX shares the ultra smooth rear suspension and sturdy beam axle that the RS oval car uses, but that's where the similarities end. The LX features a lightweight graphite chassis that has four battery slots on each side of the chassis, to allow for various battery mounting positions. Another plus on the LX are the graphite chassis braces that run the length of the chassis and across the rear. This helps to reduce unwanted chassis flex that can upset the car's handling. Other features of the LX are full ball bearings, delrin hubs,

graphite axle, three way rear damping system and pre trued and mounted foam tires with composite wheels.

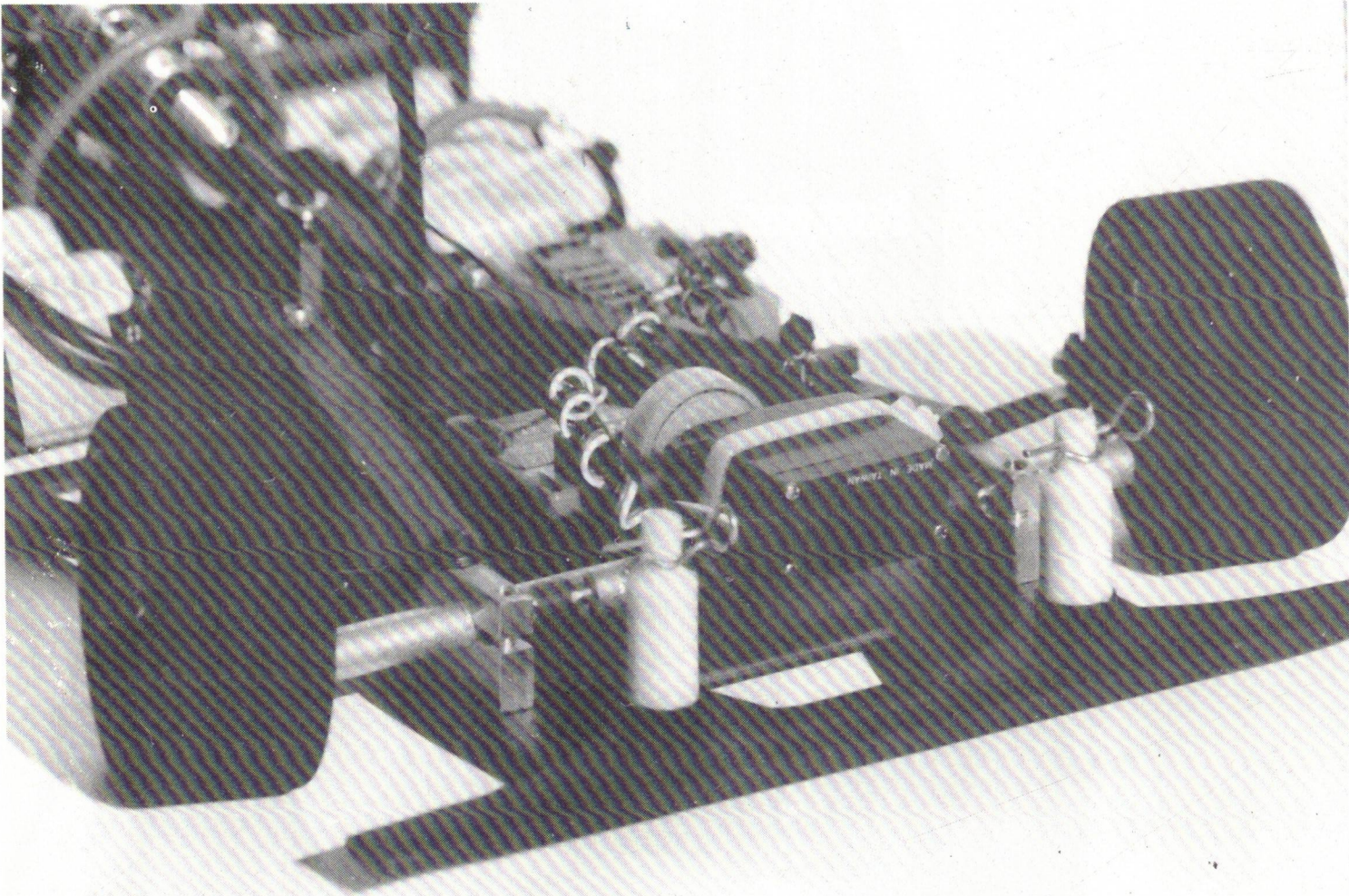
#### Let's Get Hyper . . .

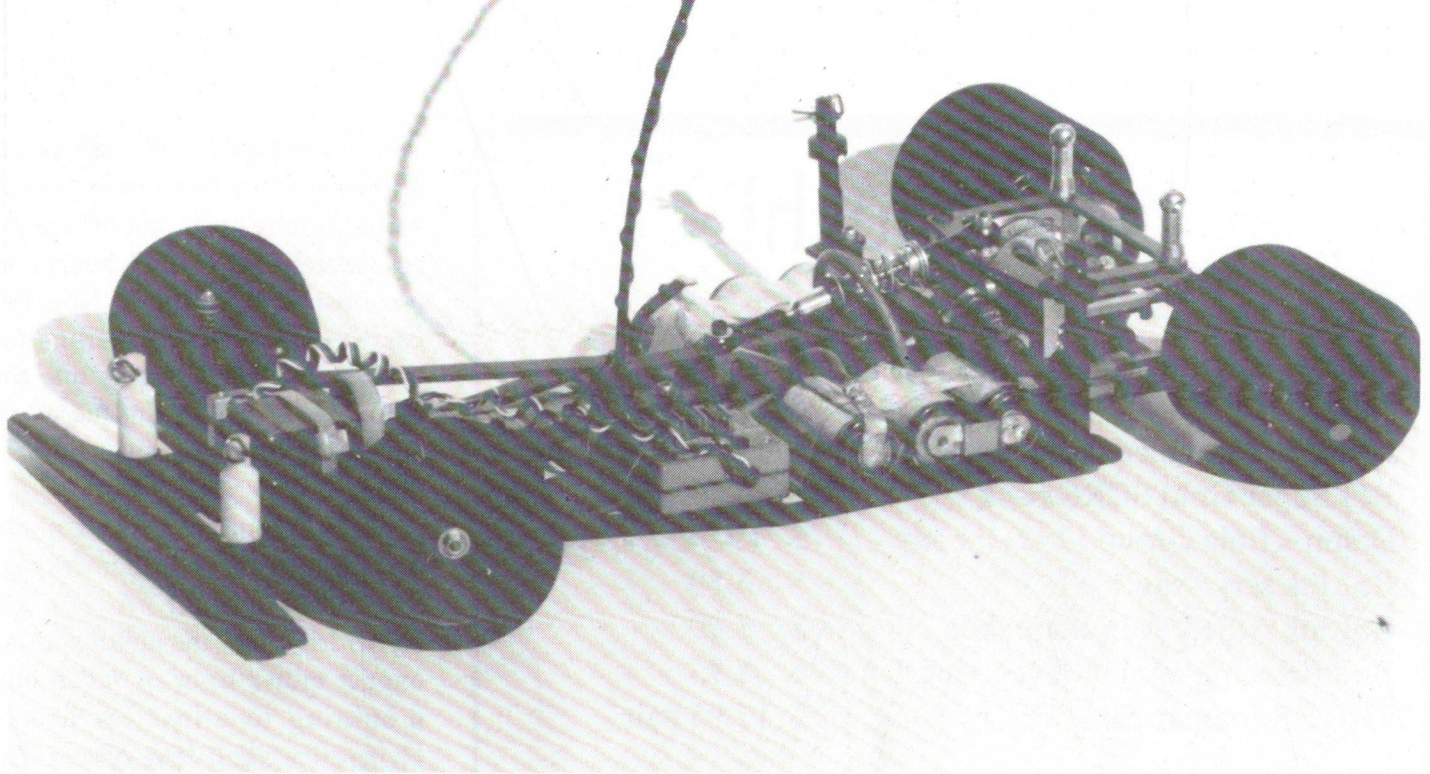
To build the LX you will need a 2CH radio system, motor, batteries, electronic speed control and a GTP or Can-Am style racing body. Besides the basic hand tools, you will also need some diff lube and shock oil. After opening the colorful box, I saw the usual array of neatly packaged parts and the owner's manual. I know it's hard to fight the urge to toss this part of the kit aside and

start building, but try to read it anyway. The instruction manual is written to cover many different Hyperdrive kits, so read it carefully and look over all the diagrams to see that you have the right parts for each step.

The first step of assembly is to install the chassis braces. To make this job a bit easier, use a 4-40 tap on the nylon spacers. This will save

*The unique axle mounted steering servo is a real plus. Any adjustment that is made to the caster won't effect the steering toe in.*





you a lot of tired fingers trying to thread the screws through the spacers. With the spacers in place, it's time to move on to the T-plate and motor pod. What makes the rear suspension on the Hyperdrive cars

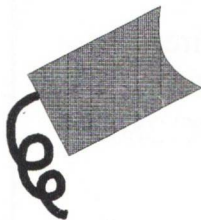
so smooth is their pivot ball supported T-plate. To install the pivot balls you will need to take a hobby knife and remove the flushing from all of the mounting holes of the pivots. Then as shown in the manual,

install the pivots to the T-plate with the screws provided. Next find the

*The clean lines and racing genes of the H 10 LX are clearly evident in this shot.*

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Dahm's Lola Group 12 GTP body	\$ 19.98
BoLink servo saver	\$ 3.50
BoLink Adjust A Link tie rods	\$ 8.00
Bud's Racing mini bi-level wing	\$ 8.95
TRC ZR foam tires	\$ 17.95 pair

## **Manufacturers mentioned in this article**

PTI/Hyperdrive  
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BoLink R/C Cars  
420 Hosea Rd.  
Lawrenceville, GA 30245

Dahm's Racing Bodies  
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Novak Electronics  
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TRC Racing Tires  
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Team Associated  
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King R/C  
Five Forks Village  
King, NC 27021

Trinity, Inc.  
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Winner's Circle Raceway  
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Richmond, VA 23230

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shock tower and install a ball socket into each of the holes in the tower. With a hobby knife, cut off the excess material from each socket, so it is flush with the tower. Now finish off the tower by installing the 4-40 button head screws into the ball sockets and mount the tower and front shock mount to the T-plate.

Next, assemble the rear motor pod as shown in the diagram on page 8 of the manual. As on all Hyperdrive cars, the motor pod can expect either right or left motor mounting to allow for use of Hyperdrive's belt drive system. The LX comes standard with a gear drive set up, but I have used the belt drive on my oval RS car and it works quite well. With the pod assembled, mount it to the T-plate assembly with the supplied hardware. Be sure to use a thread locking compound on the screws that hold the pod to the T-plate. Doing so will prevent the screws from backing out of the pivots.

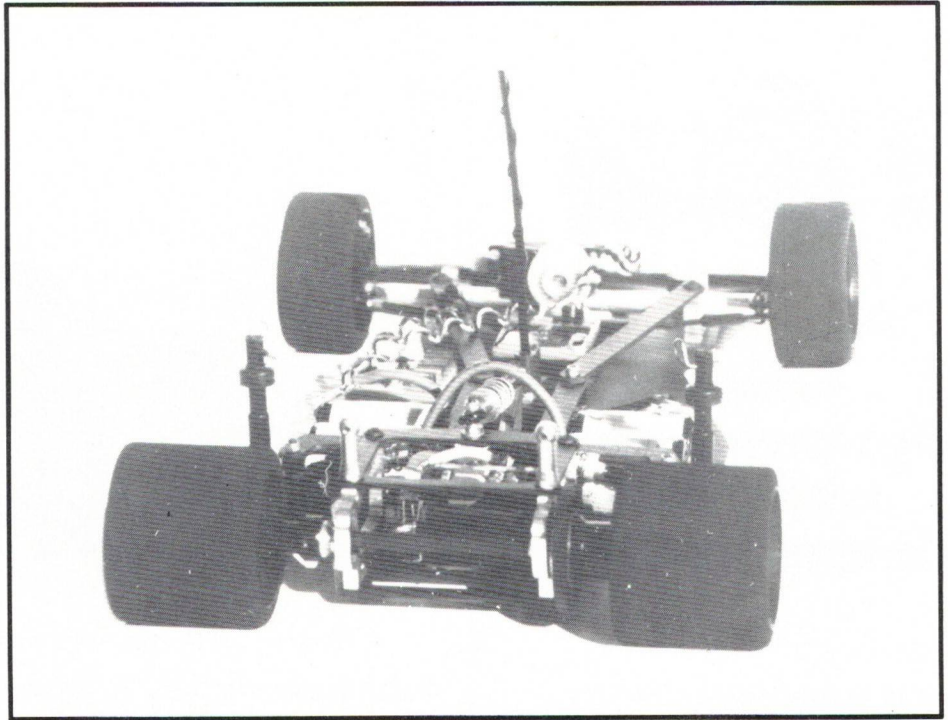
### **Axle Action . . .**

Another sign of the quality of the LX is the rear axle and ball bearing supported differential. Hyperdrive uses a unique diff ring design. Each diff ring has an abrasive side to grip the axle and hub to prevent ring slippage and eliminate the need to pin or glue the rings in place. The first step in installing the axle is to install the ride height adjusters and axle bearings into the motor pod. Use the centered adjusters in the pod. This should give the car plenty of ground clearance for most tracks. Next, slide the axle through the bearings, then place one of the shims and the cone shaped aluminum spacer over the left side of the

hub. Building the diff in the LX is rather simple. Hyperdrive includes their Hyperball diff balls along with a DuMor Star Force 48 pitch spur gear. The steps for building the diff are quite easy to follow, but as I mentioned before, you will need quality diff lube for the diff. For this article I chose Cheetah Racing's Super Diff Lube. I have used this stuff for years and it certainly is a key factor to a smooth diff.

### Beam Me Up Scotty . . .

Another of the stand out features on the LX, is the unique front beam axle. At first glance it looks like any other beam axle. What sets the LX apart from all others is that the servo is mounted to the axle on a small graphite plate. The advantage of this design allows for you to use the fly caster adjustment without affecting steering trim. As on other cars that use a beam axle, when you adjust caster you also change the car's toe in or toe out. Then besides having to adjust caster now you have to reset the car's steering alignment and at most races your



radio is in impound and trying to adjust steering without a radio is a nightmare.

When building the axle, lay out all the parts to match the photo in the manual. This way you will make no mistake on which direction the servo mount and axle blocks go. As for axle set up, I started with about 2 degrees of caster and followed

the set up tip in step 10 on page 10. The tip says to add a small piece of fuel tubing and another washer above the spring on the king pin to aid in damping action of the front axle. Try it, it worked great on my oval car.

### Shock It To Me . . .

Hyperdrive uses a three shock damping system on the LX. The job

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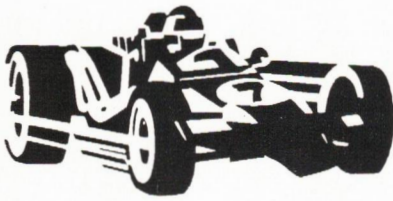
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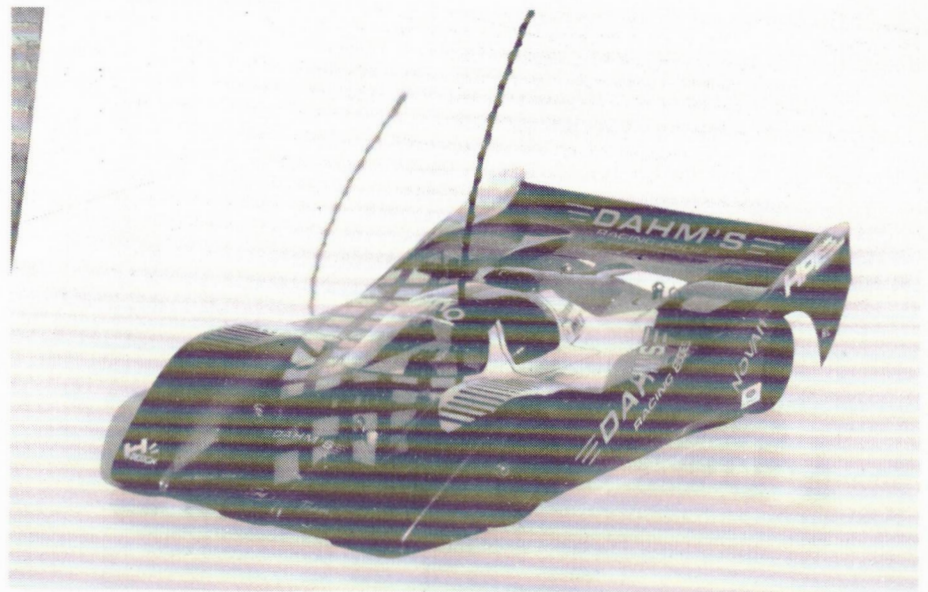
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*Finishing off the package nicely is the Dahm's Lola GTP body.*

damping system on the LX. The job of the three is to take care of damping and to set the car's chassis tweak. The shocks on the LX are very similar to the Delta shock and with very clear instructions that you will find on page 12 of the manual, assembly should be no problem. The track you race on will dictate the weight of oil and spring rate you will need for the shocks. For my LX, I chose to use Trinity's Pro Racer 30 weight silicone oil in all three of the shocks. I used the short springs on the smaller side dampers and the gold spring on the main shock as a starting point. Pay close attention to the mounting of the shocks, as they're a big part of how well this car will perform on the track. With the chassis completed, check the movement of the suspension to see that it is smooth with no sign of binding. With that it's time to add our electrics, paint and mount the body of your choosing and hit the track.

#### **Electric Connection . . .**

Installing the radio gear in the LX is a bit tricky, due to the amount of

room on the chassis. Of course, you have to give something up in the quest for lightness. To handle the steering duties on the LX, I used a Futaba 9601 Hi Speed mini servo tied to the steering blocks by a BoLink servo saver and a set of BoLink Adjust A Link turnbuckles. Hyperdrive does include a set of treaded rod tie rods with the LX, I just prefer turnbuckles. The stock rods, however, will do just fine without the added expense. To take the commands from the Futaba Magnum 2 PD FM radio system, I chose Novak's NER-3 FM receiver along with Novak's 410 M1c Hi Frequency electronic speed controller. To power the LX around the twists and turns of on-road racing, a set of PTI's Super Gold matched SCRC's were in order. And to carry out the commands from all of this, a UNO 13 turn quad modified was called to duty. Now for the final touch, the body.

#### **C Lola Run! . . .**

Mounting a GTP style road racing body on the LX with the supplied body mounts, does require

some cutting to the body posts. I decided to save the long posts that are included in the kit from the knife, as I plan to race the LX on an indoor carpet oval during the winter. So I replaced the stock mounts with a set of short mounts from an Associated 10L. You can buy these mounts separately from the local hobby shop. Now choosing a body for the LX was the hardest job of all, but after seeing Dahm's new Lola Group C body, that decision became easy. To put the paint to the Lola, I enlisted the work of Dan Smith of Izzy Racing and King R/C for the trick graphics and colorful paint scheme. To top off the Lola, a Bud's Racing mini bi-level wing was added to keep the rear of the LX planted in the sharpest of turns.

#### Turn Marshals Beware . . .

To test the LX in real race conditions took me to Winner's Circle Raceway in Richmond, Virginia.

The track at Winner's Circle is a high banked carpet oval with a small road course in the middle of the track that is entered on the back straight. Here in the South, finding a road course track is like trying to miss hitting a possum on a two lane road, but this will have to do.

Racing a modified on a road course takes quite a bit of skill with the trigger finger and I quickly found out that I don't have a lot of that. I was using the chassis set up found in the manual with a set of TRC blue dot foams. After a few practice laps I got the hang of this mini land missile. The LX was rather impressive in the very tight and short turns on this race track. Although the car did have a bit of understeer, that was quickly remedied by moving the wing in just a bit. The more I drove the LX, the more I liked it. For once I learned that there is more to carpet racing than turning left.

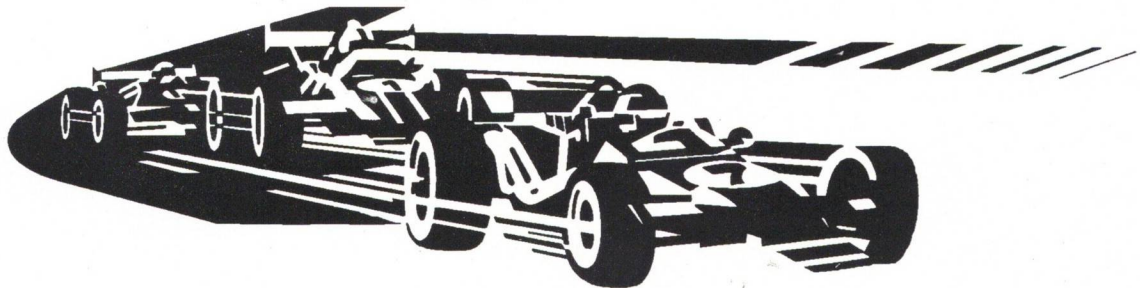
#### Overview . . .

The Hyperdrive LX is a very smooth and fun car to drive. Besides its durable construction, the LX can be adjusted to most any driver or track condition you can throw at it. Another plus is you won't need to buy a truck load of aftermarket hop-ups to make this car a winner. Just practice and driving skill are all that is required to win. The only negative thing I can say about the LX, is the lack of its own individual manual. But if you don't mind looking through the diagrams for the version you're working on, then you're fine. As for the Futaba 2PD, it has nearly all the features of the more expensive PCM model for less and it still has the performance of the FM operation. Also the power from the PTI batteries and UNO motor are just what the LX needs to put the Lola out front.

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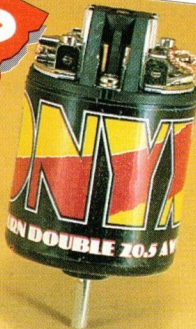
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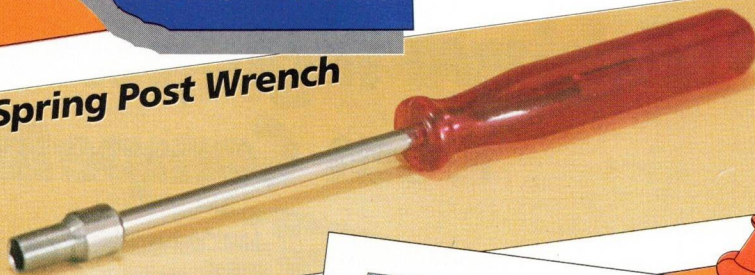
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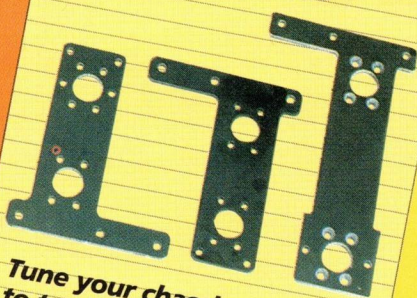
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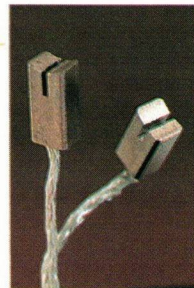
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RC7100	100 wgt	\$3.45

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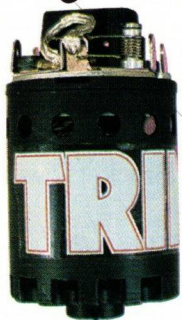
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RC1005	8 Turn	\$275.00
RC1006	9 Turn	\$275.00
RC1007	Mtr Set-up only	\$225.00

Trinity Decal Sheet \$3.50 RC9050

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# I.E.D.A. 1994 Seminole Nationals

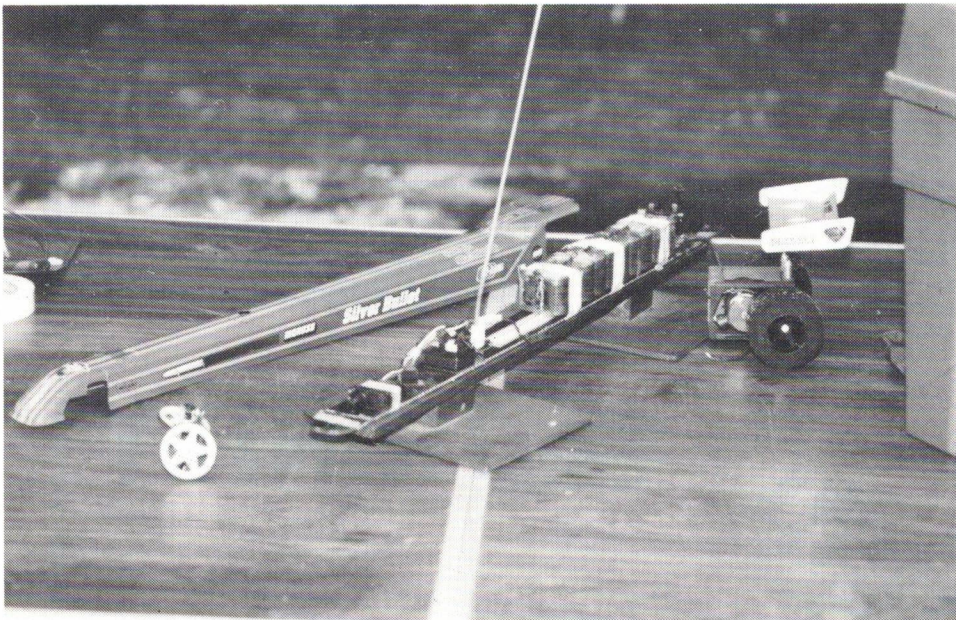
*By John Silva*

I can't think of any better place to be than in Naples, Florida where the International Electric Drag Association held their opening event for the '94 season at the Southwest Florida

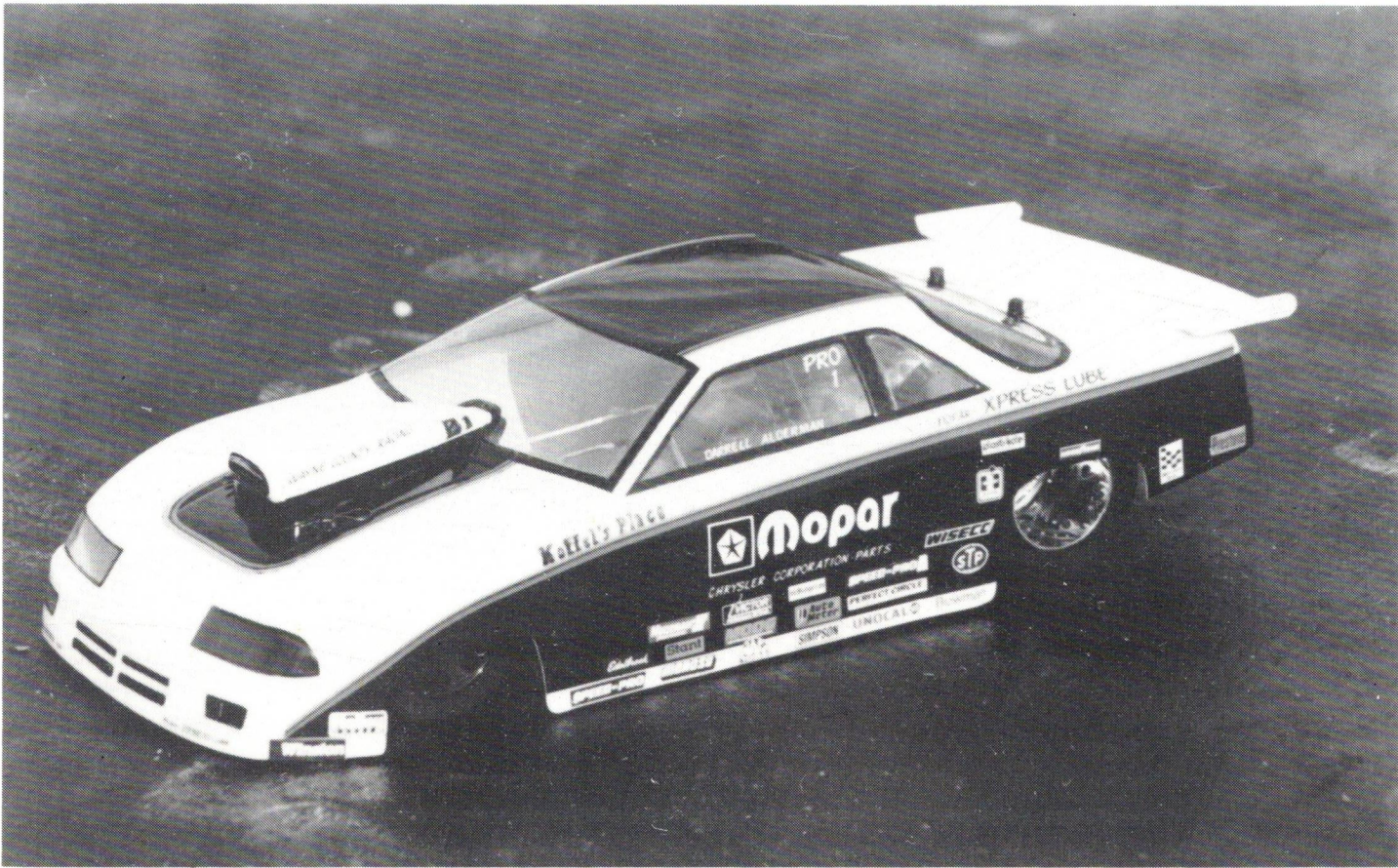
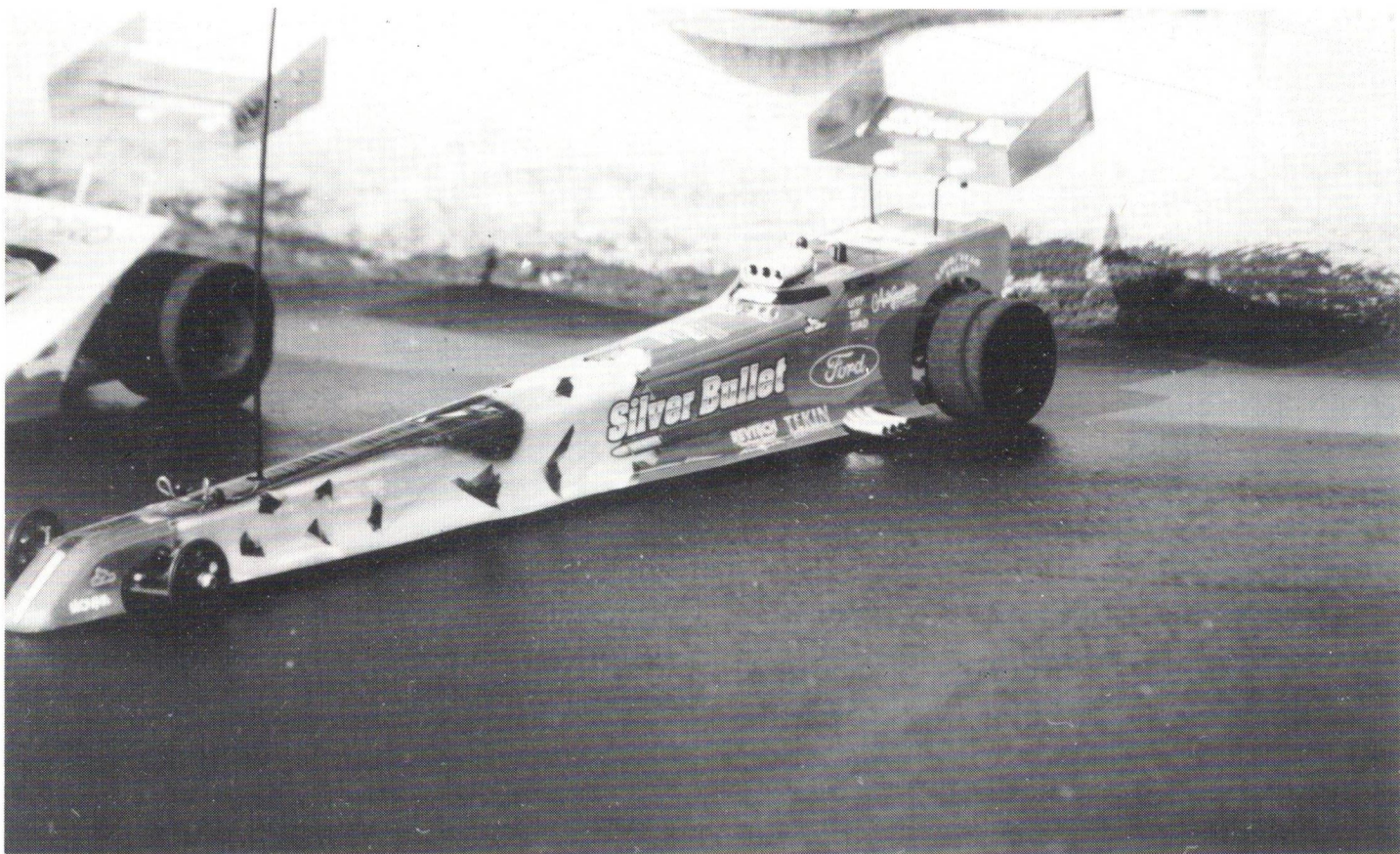
R/C Raceway. Drivers from all over the East Coast came to make their mark and try their hands at shattering the existing ET and MPH records. The drag strip at Southwest

Florida R/C is very smooth yet treacherous. This is due to the concrete barriers that run along each side of the track, to say the least, if you get crossed up at this place it could spell certain disaster. The program for the weekend started on Friday with practice and time trials. On Saturday there would be four rounds of qualifying and Sunday would be eliminations.

Starting with Bracket Class quali-



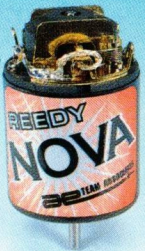
*Left: Can I borrow a cell? Chuck Savoca's rail took a wild ride after his winning run in the Top Fuel Unlimited class. Opposite top: Jeff Dubiels rail featured a hand painted cobra on the hood. Opposite bottom: Another good looking machine at the Seminole Nationals.*



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#556, Mach I #557, Mach II

## Sonic Series Modifieds

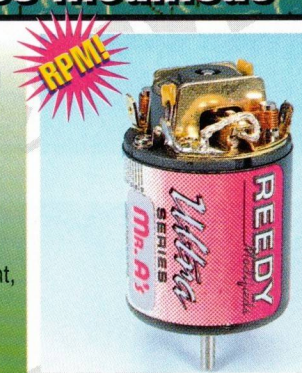
Newest in the line of Reedy motors is the Sonic, with Turbo Cooling features adding to the life and performance of the motor. A new can/magnet setup combined with an all-new large commutator and lay-down brush system provides the torque and power needed for today's racing. Hand wound and precision assembled.

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## Ultra Series Modifieds

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#636, 6-cell SCRC #637, 7-cell SCRC

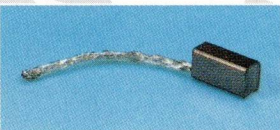
## Reedy Ultra Pack

Today's on road racing requires top of the line batteries. The Ultra series SCRC and SCR are matched both for capacity and voltage to give you the power to win. Available in both 6-cell and 7-cell.

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#607, 7-cell 1400 SCR  
#634, 6-cell 1700 SCRC  
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Fit all standard upright Yokomo-type brush systems.



#730, Silver On Road Brush  
#732, Competition On Road Brush, Modified and Stock  
#737, Competition Off Road Brush  
#738, Stock Motor Brush

## Sonic Series Brushes

For use in motors with lay-down brush systems.



#760, Competition Off Road  
#761, Competition On Road and Stock Motor Brush  
#762, Silver On Road Brush

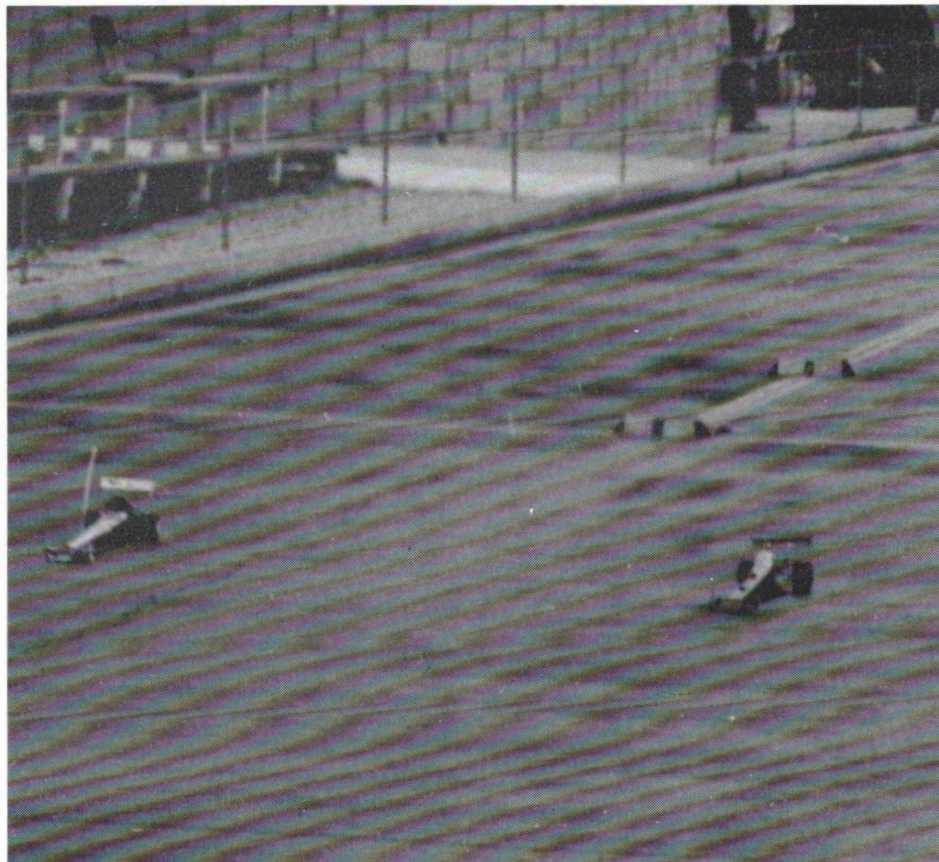
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**REEDY**  
*Modifieds*

fyng, Bracket allows different types of cars to race one another by giving a handicap start to the faster car. For example, Car A runs 2.10 seconds and Car B runs 3.40 seconds, that would give Car B a 1.30 second head start and it would be up to Car A to catch up. Of course, you must set a break out time for yourself based on your qualifying time and you must run close to that time without going any quicker than that time or you break out and are eliminated. So it is not necessarily the quickest car that wins in Bracket, just the most consistent.

Super Stock qualifying was dominated by Clinton, North Carolina's Corbit Marshburn with his record setting run of 2.202 seconds at 38.09 MPH to take the TQ spot over Jim MacQuarri, who lost the spot by just a few hundredths of a second. In Econo Rail another record setting run put a North Carolina driver in the Top Spot, as Carolina Hobbies' team driver Wesley Ballard held the point with his record run of 3.007 seconds over Power Surge's Kim Kulawik by only 1/100th of a second. You know what they say, records are made to be broken and that was the theme of



this event as in every class so far a record was broken. And in Pro Stock, Larry Westrum flat walked off with this one. Larry's run of 2.136 seconds at 59.80 MPH gave him the TQ and the record as well. Karl Blue did give Larry a run for the TQ with his best of 2.199 at

57.78 MPH, but came up a few hundredths short.

In Competition Eliminator it was Brandon Kulawik, who after three *Some serious drag race action! With the cars being as competitive as they are, the racing can't help but be close.*

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crashed runs, made his final attempt count by turning in a 2.962 second run on a 2.75 Index. Second qualifier was Hickory, North Carolina's Rick Williams. In Pro Truck Corbit Marshburn made it two in a row on Saturday taking the TQ in Pro Truck, his run of 2.225 at 50.13 MPH set the pace for Pro Truck. Top Alcohol Funny Car saw Bob Pyle and his Pyle Driver Funny Car take the TQ spot with his run of 2.128 seconds at 64.93 MPH. Second fastest qualifier was Twister's A.D. Rigmaiden at 2.130.

Top Alcohol Dragster saw Sean Lemaster's best run of 2.296 at 56.81 MPH take the top spot over a

slower Lance Richards' 2.685. In Top Fuel Funny Car action Team Brooklyn's Nelson Llorens grabbed the TQ with a 1.953 second run, just 5/100ths off the record. Second quickest was Charles Williams, who had only been beat out by less than 5/1000ths of a second for the top spot. A.D. Rigmaiden did not let his second place qualifying spot in Funny Car bother him, as he went out and blasted the track with a 1.870 second run at 71.77 MPH to take the TQ but also set a new ET record as well. In the Mother of all Drag Racing classes, Top Fuel Unlimited Drag Co's Drag Queen Kim Frank set out with her 20 cell

*To finish first, you have to finish first! That's what this driver is attempting to do any way he can.*

dragster to take the TQ in 1.802 seconds at 65.55 MPH. Second fastest in Unlimited was Chuck Savoca with a strong run at Kim with a time of 1.868 at 59.80 MPH.

With Saturday's activities out of the way it was time to concentrate on making even faster passes for Sunday because in drag racing you can be fast today, but will you be fast tomorrow?

### **TIME TO MAKE THEM SHINE . . .**

Sunday started off with best appearing car awards judging these cars is a tough job since there were so many trick rides on display. In the end it was WR/CDA's Rick Williams winning in the Doorslammer Class with his hot Chevy Lumina, Nelson Llorens with his Dodge Stealth Funny Car in the Funny Car Class and the winner of Rail Dragster Class was Jeff Dubiel.

### **SUNDAY'S ELIMINATIONS**

Starting with the B side consolation round of Bracket, the B side is for those drivers that were defeated in round one of eliminations. The Bracket B side final was between Scott Lemaster and Claude Walton, II. Claude had the starting line advantage by over a second on Lemaster. But that didn't count for much, as Lemaster caught Walton to take the B side win.

On the A side of Bracket it was a showdown between the most constant driver Sean Lemaster and Mike Blair. These drivers dial ins were so close that this was nearly a heads up race, but at the start the advantage went to Blair. And like his brother in B side, Sean powered around Blair to take

the title in Bracket at the Nat's.

Super Comp was a relatively small class and your winner was Team Brooklyn's Nelson Llorens.

Super Stock was full of surprises as TQ Corbit Marshburn was taken out in round one by the slowest qualifier so the top spot was certainly up for grabs. In B side action the final came down to Jason Dubiel and his dad Jeff Dubiel, now I wonder would Jason cut dad a break. No way! As dad had the lane choice due to his faster run in his previous round, that didn't seem to mean much, as Jason got the holeshot and stomped his dad for the B side win and set a new national MPH record as well at 38.96 MPH.

The A side final would be a showdown between the defending National point leader and three time National champ Power Surge's Kim Kulawik and Randy Harris. On the start Kim got the holeshot but to no avail, as Harris powered around to take the win over a faster Kulawik.

Econo Rail B side was between last year's event winner Kim Kulawik and Jeff Dubiel. Kulawik had plenty of horsepower during the weekend and he was just getting it hooked up. And that came back to haunt him as Dubiel's Rail drove around a tire hazing Kim to take the B side win.

The A side of Econo Rail was a true upset between Carolina Hobbies' Wesley Ballard and BoLink/Power Surge driver Jack Wright. Wright had lane choice over Ballard and at the start Wright grabbed a big holeshot. But that was all for not as Wright's Dragster hazed the tires big time and Ballard drove by to take the A side win for his first National title.

In Pro Stock the A side final came down to TQ Larry Westrum and the number two qualifier Karl Blue, but Westrum showed why he was the car to beat all weekend. As he

outpowered Blue to take the win.

In Top Fuel Funny Car on the A side TQ Nelson Llorens went up against the slowest qualifier Chuck Savoca in the final and Chuck repeated his first round victory by cutting a nearly perfect light and the holeshot over Nelson to take the win.

Top Fuel Rail B side saw Twister's A.D. Rigmaiden flat out-run C.J. MacQuarri for the B side win.

Top Fuel Rail saw a real surprise as the two slowest qualifiers found there way to the final. Mike Lookhart and Gilbert Pate would face off to decide the title. On the start Gilbert got the holeshot and held on to take the top spot over Mike.

The class of all classes, Top Fuel Unlimited. These 20 cell dragsters can hit speeds of over 75 MPH and ET's as low as 1.8 seconds. In B side action Kent Wiley faced off against Lance Richards. Kent got the jump on the start but Lance quickly cut that down and took the win on the B side.

In A side action, TQ Kim Frank was eliminated in round two and that left Duane Witey to face Chuck Savoca in the A side final. Chuck showed Duane why he is the defending point champ in Top Fuel Unlimited, as he took command from the start to win the A final and another national title.

### IT ALL MUST COME TO AN END . . .

With the awards handed out and the records broken, it was time to pack it up and make our way home-ward, but with only the thoughts of heading north to the Clinton R/C Dragway for the Third Annual Southern Nationals. We'll be bringing you the action from North Carolina's premier R/C Dragway. Until then, SEE YA!

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# THIS MONTH IN RACING



## Midwest Series

### 1/8 and 1/10 Scale Gas Racing

#### Chicago/Cincinnati/Detroit/St.Louis/Toledo

*By Steve Lazarus*

The Midwest Series for 1/8 and 1/10 Scale Gas made its second stop for 1994 in Chicago, Illinois. Hosted by the Chicago Radio Car Club, on June 18th & 19th, an outstanding turn-out of 59 racers en-

dured some hot weather and enjoyed some great racing. The Midwest Series is celebrating its 25th year of existence, and under the fine leadership of Ted Hammer, from

Toledo, Ohio, some outstanding growth. That growth appears to be coming in the 10th gas area, as this race saw three heats of competitors in a class that struggled to field one heat

## THIS MONTH IN RACING

last year. The competition in all three classes was very tough, and interestingly, the classes seem to be getting closer in performance levels, as the TQ in 1/10th Gas, and several of the "A" Main Qualifiers in 2WD would have made the 4WD "A" as well. A special thanks to Al Rovel, Roy Moody and Vic Valderamma, for running the computer at this race. Thanks also to Joel Mabus, for hauling the trailer, and Don Jones, Milo Yglesias and Mike Becker for applying the great VHT traction.

This race saw competitors from a wide area, as Missouri, Iowa, Illinois, Wisconsin, Ohio, Michigan and

Windsor, Ontario Canada were all represented. Three heats of 1/10th, three heats of 1/8th 2WD and two heats of 1/8th 4WD competed, with three rounds of qualifying on Saturday. Rain early on Sunday limited qualifying to one round and caused a shortening of the mains to 25 minutes from their usual 30. 1/10th Gas qualifying ended with Jimmy Piersol taking his Delta Fireball to TQ with a 20 lap effort in 302.0 seconds. Jimmy was able to accomplish this with just one qualifier on Sunday. Don Jones was the number two man, taking his Serpent Impact to a 20/308.7, followed by Ted

Hammer's Delta Fireball, with a 20/312.2. Three different manufacturers' cars in the top three is surely a sign that this class has arrived. A number of drivers achieved 19 lap efforts in this class as well.

The 1/8th 4WD found Don Jones as the class of the field. Don used the latest design Serpent Excel to best the entire 4WD class by two laps. His 23 lap effort in 312.7 seconds saw Don cutting a number of sub 13.5 second laps, something no other competitor was able to do in two days of racing. Randy Ramsay tried hard to break into the 22 lap area with his Serpent, barely

*The 4WD A & B Main Winners*





*2WD A, B and C Main Winners*

missing with a 31/300.1 for second. John Adams had his new BMT Active car very close to a 22 as well, with his

21/300.5 good for third overall. This class seems to have reached a point where there is now a greater disparity

in times between competitors, perhaps indicating how difficult it is for most racers to find the ideal set-up with all four wheels being driven.

A number of drivers ran two classes in this race, and to their credit many were able to do it well. One guy out did them all however, as Skip Starkey used his BMT cars in all three classes, and made all three "A" mains. Kudos to Skip for this effort, and all those who pitted for him as well! Also interesting is that CRCC ran very similar length and track style last year, and all three classes ran about one lap quicker this year in qualifying. Such is the level of technological advances in gas racing. Two of last year's TQ's also did it again this year, as Don Jones and Dave Campbell were able to repeat.

Two mains were run in 1/10th Gas, as some competitors dropped out after qualifying. The "B" Main saw a close battle between Jeff Zuccarel and Craig Parsons for the entire race, with Jack Kreilick also on the lead lap for the early part of the race. Jeff was able to open up a one lap lead by the third pit stop, and managed to hold on to that margin for the win with 90 laps. Craig was one lap back for second with 89 laps and Jack held on for third with 87 laps. Gene Rice and Brian Parsons had their own race for fourth, with Gene prevailing by one lap with 81 to Brian's 80.

The "A" main promised to be a good battle with close qualifying and it certainly turned out that way. This was a very close race through the first ten minutes as Jimmy Piersol, Don Jones,



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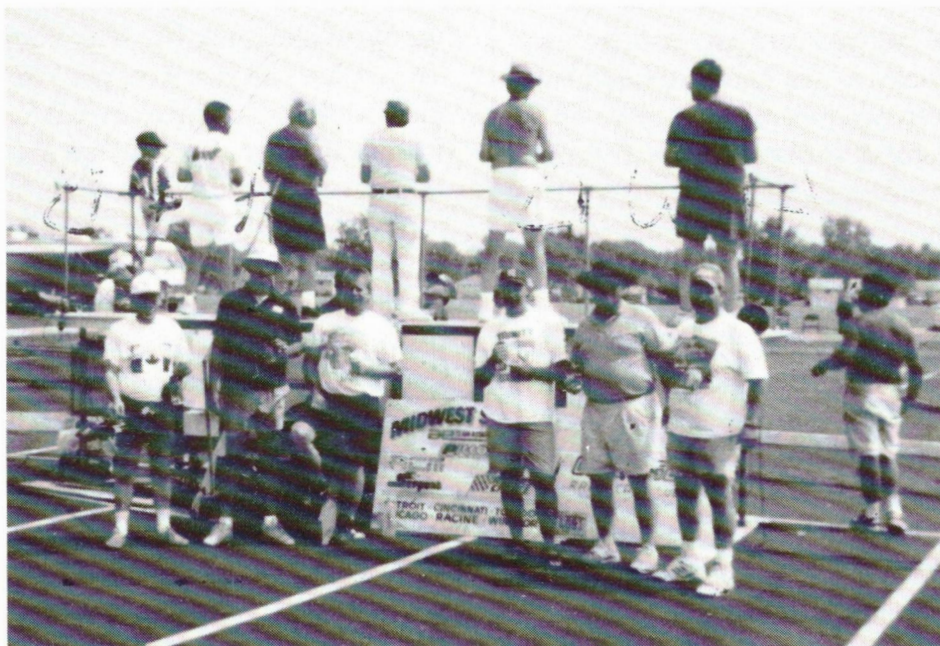


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## THIS MONTH IN RACING

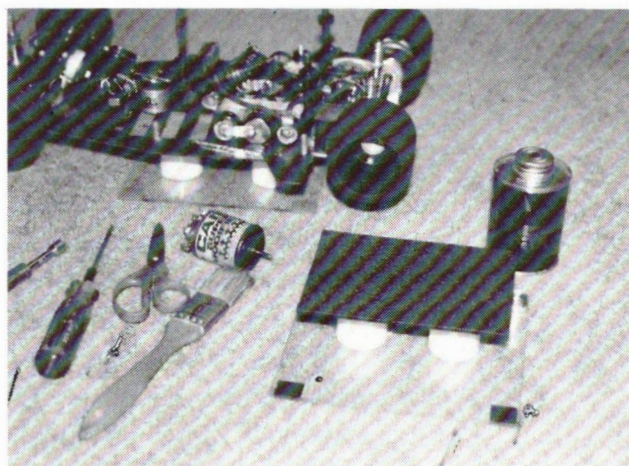
Ted Hammer, John Elliot and Skip Starkey ran on the lead lap, only seconds apart. Ted Hammer was the first to come to grief, as he had a long stop on lap 21. Don Jones was able to take the lead from Jimmy Piersol as Jimmy seemed to have the most thirsty car of the group. But after his first stop and a motor adjustment, he began to crank off some very quick laps, leaving all behind. The race for second saw Don Jones holding on over John Elliot, Skip Starkey and a charging Bob Traut. Don came to grief on lap 60, and a long stop put him well back. John continued to hold on for second, while Bob had managed to work his way on to the same lap with Skip. Bob continued to charge and managed to pull into third late in the race. Jimmy was the easy victor with 95 laps, followed by John Elliot with 91 laps. Bob and Skip both finished with 90 laps, while Ted Hammer and Don Jones battled back for fifth and sixth with 89 and 88 laps.



*1/10 Gas A and B Main Winners*

1/8th 2WD was next and the "C" Main was an entertaining race as two local drivers, Al Rovel and Jerry Argaglas battled for the lead early, while Anderson Yau tried to battle back

from a flame out at the start. Jerry and Al went wheel to wheel, exchanging the lead through the first two pit stops. As often happens in a race this close, contact occurred on the 42nd lap, and



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## THIS MONTH IN RACING

Al was out for a long stop. Jerry soldiered on, but Anderson was running hard, and managed to make up the three laps he lost at the start of the race, to take the lead and the victory. Jerry held on for second, while Al was able to return for third.

The "B" main was another back and forth race as four different drivers led at one point or another in this race. Joel Mabus jumped to an early lead but took a nasty hit on lap 16 smashing his pipe and leading to a long stop. Troy Torbeck took over and began to open up some space between himself, Pauline Gottfried and Allen Broecker. Troy had opened up a four lap lead but on lap 77 he had a long stop and when he returned his car had slowed considerably. However, he was able to hold off the closing Pauline and Allen for the win. Pauline and Allen ran on the same lap, but Pauline was a little more steady, making no mistakes and hold-

ing on to second, two laps back from Troy. Allen's 83 laps were good for third, while Joel Mabus recovered for fourth with 80 laps. Ted Hammer also over came early problems for fifth.

The 1/8th 4WD "A" Main ended up being two races, as a computer glitch stopped the first race after nine minutes of running. At that point Dave Campbell had a one lap lead over Steve Lazarus and Bill Eisenhard. The red flag allowed several competitors to make adjustments, or repair damage, which played a role in the outcome of the race. The race was restarted after the 1/8th 4WD "A" Main and Dave Campbell jumped to an immediate lead after a first turn pile-up, which left several cars damaged. After the earlier delay, it was felt that another restart was not in order and the race proceeded. Dave was followed by Skip Starkey, Bill Eisenhard and Kevin VanPelt and Skip appeared to have

made the right adjustments, as he was running some very quick laps. But Dave was quicker, and he held on to the lead. Kevin had repaired a broken disc brake, and he parlayed some good lap times with extended pit stops, going as much as five laps further than the other drivers, and saving a pit stop. Dave was still quick enough to give away the time and he held on for a one lap victory over Kevin's fine effort. Bill's lap times started to slow as the race went on, but he was still able to hold off Skip Starkey for third, after Skip had a long stop on lap 39, both drivers ran 91 laps. Steve Lazarus followed for fifth after a long stop for repairs, with 83 laps.

The 1/8th 4WD "A" Main also saw a poor start, as several pit men were still refueling their cars when the flag was raised. Randy Ramsay and John Adams made the best starts and were off to a good jump on the field. Don Jones made an early stop for a motor adjustment, falling almost a lap down early. He then began a charge through the field, assuming the lead by lap 50. John and Randy had not given up however, and they managed to stay on the lead lap. Back in the pack, Russ Williamson and Brent Gottfried were battling for fourth, both having delays at some point in the race. Randy Ramsay had a problem at about the 20 minute mark, falling out of the race. Don and John continued to battle, with Don beginning to open a lead until with 30 seconds to go, he ran out of fuel. Both drivers finished with 104 laps and

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## THIS MONTH IN RACING

John showed that to finish first - you must first finish, taking a hard fought victory. Russ Williamson was running as fast as anyone late in the race, taking third with 100 laps. Brent Gottfried held on for fourth with 96 laps, and Skip Starkey finished his third "A" Main of the day in fifth.

On to Cincinnati for our next race on July 23rd and 24th. Hope to see you there!

### RACE RESULTS

#### 1/10th Gas

##### A Main

- 1st - Jimmy Piersol
- 2nd - John Elliot
- 3rd - Bob Traut
- 4th - Skip Starkey
- 5th - Ted Hammer
- 6th - Don Jones
- 7th - Don Thompson
- 8th - Tom Allf

##### B Main

- 1st - Jeff Zuccarell
- 2nd - Craig Parsons

#### 3rd - Jack Kreilick

#### 4th - Gene Rice

#### 5th - Brian Parsons

#### 6th - Jeff Bath

#### 7th - Jim Piersol

#### 8th - Alan Draht

#### 1/8 2WD

##### A Main

- 1st - Dave Campbell
- 2nd - Kevin VanPelt
- 3rd - Bill Eisenhard
- 4th - Skip Starkey
- 5th - Steve Lazarus
- 6th - Jimmy Piersol
- 7th - Brad Christian
- 8th - Chris Miksovsky

##### B Main

- 1st - Troy Torbeck
- 2nd - Pauline Gottfried
- 3rd - Allen Broecker
- 4th - Joel Mabus
- 5th - Ted Hammer
- 6th - Bob Paradis
- 7th - Jim Piersol
- 8th - Mike Maertz

#### C Main

- 1st - Anderson Yau
  - 2nd - Jerry Argalas
  - 3rd - Al Rovell
  - 4th - Tom Miller
  - 5th - Mike Bourgon
  - 6th - Adam Tigue
- #### 1/8 4WD
- ##### A Main
- 1st - John Adams
  - 2nd - Don Jones
  - 3rd - Russ Williamson
  - 4th - Brent Gottfried
  - 5th - Skip Starkey
  - 6th - Randy Ramsay
  - 7th - John St. Amant
  - 8th - Brad Mikaric
  - 9th - Lou Przybyla
- ##### B Main
- 1st - Ed Frizell
  - 2nd - Scott Rebholz
  - 3rd - Mike Becker
  - 4th - Mike Yglesias
  - 5th - Ray Tigue
  - 6th - Gary Anderson

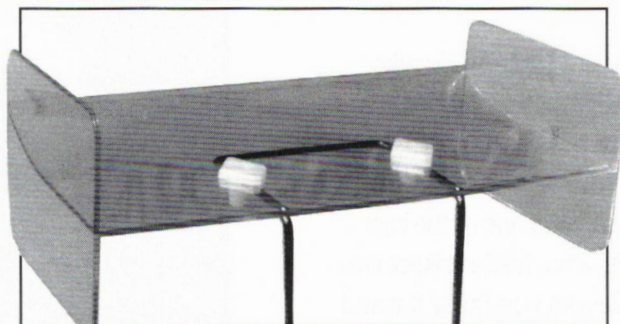
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THIS MONTH IN RACING

# 1994 ROAR

## Region 10

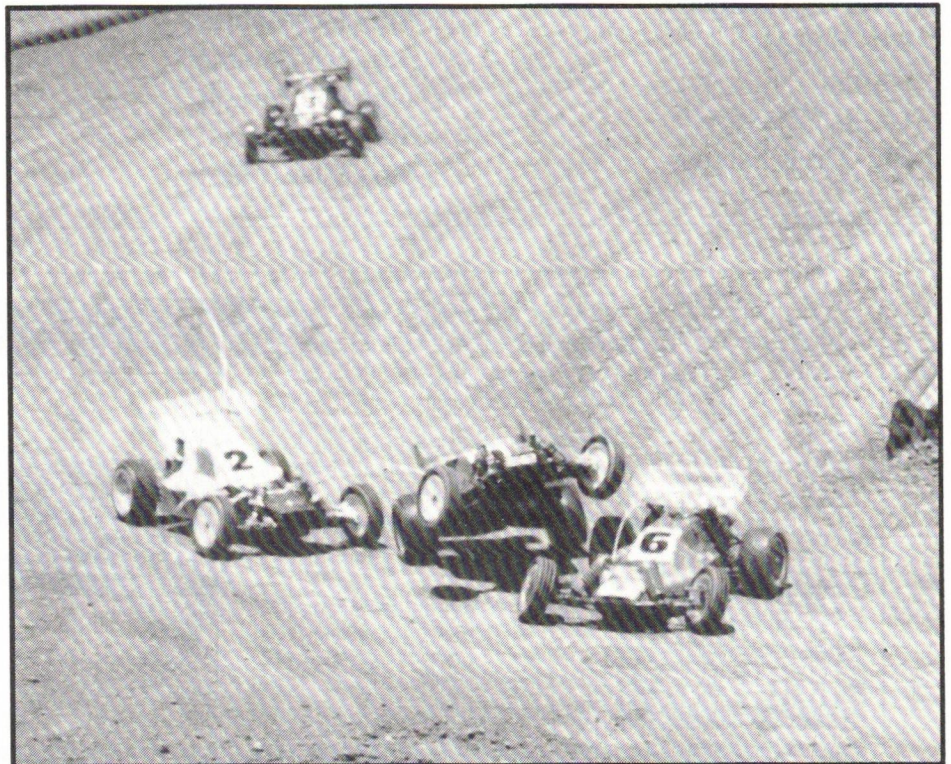
# Buggy Championships

By Al Davison

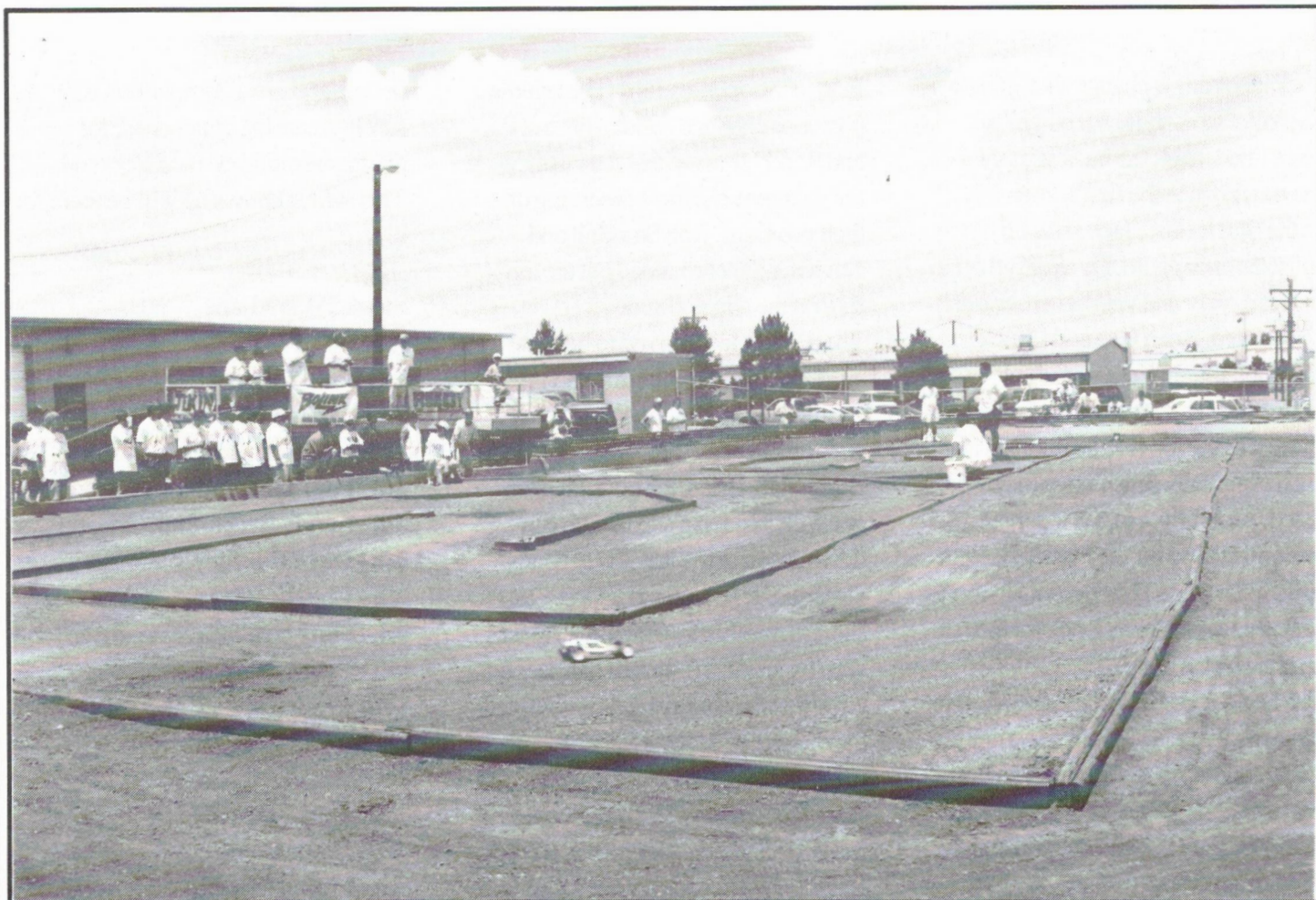
### *Action at the Region 10 Championships*

It was early July, a warm summer day, with a large and fast off-road track. What more could anyone ask for? Maybe just some sort of title to make this race just a bit more important. Well, we have it here. It was time for the ROAR Region 10 Buggy Championships.

This race would determine who would qualify for the National Championships to be held later in the year. It drew all of the best racers from around the area to one of the best tracks in the area, Mohr's Raceway. The track layout was fairly flat and wide open. Straight line speed would be just as important as cornering



## THIS MONTH IN RACING



*An overview of the Track*

ability. A tricky chicane in the center of the track would prove to be the difference between being fast and just another wantabeeeee! Perfection here meant stout leads and a fun weekend. Trouble here sent typical "A" Main drivers straight to trouble land! The weather for the weekend was very hot and dry. This meant getting in runs while the track was good. One who took advantage of this was Jade Kurchi. His early qualifying efforts

proved to be a bit frustrating. When the track was good, so was he. In stock he managed to take the top spot by almost a full 10 seconds! It turned out that he had some help from Erik Soderquist of Extreme Motorsports as they were preparing for the Stock ROAR Nationals to be held less than one month later. Randy Brockman, Brian Gisi and Chuck Erickson rounded out the top four and were separated by only .15 seconds! Precision driving abounded

in this class.

Modified saw similar results from Jade and Randy. Jade snatched the top time in the very last round from Randy by only .29 seconds. Behind Randy was Tony Gramh, Rob Sturghill and Chuck Erickson.

4WD Modified was settled in the first round. The top three, Brian Gisi, James Bretzing and Michael Everett all ran their fastest runs in this round. The Main events were held in the

# THIS MONTH IN RACING

traditional single chance shot-gun go for broke start style. All of the cars were lined up on the back straight for the run down to the first corner. In the Stock class, Jade showed his muscles once again. He streaked off to the lead early and was never seriously challenged. Brian Gisi and Chuck Erickson fought it out with Paul Schwander and Randy Brockman for the rest of the top five positions with each eventually finishing as they were listed. As it turns out, the top three were all testing for the Nationals with Erik Soderquist. They obviously found something good here. Look for them to be quite fast in Utah!

The Modified 2WD class saw another runaway by Jade Kurtchi. On a dry track, Jade slipped and slid to the win by nearly five seconds over local favorites, Paul Schwander and Randy Brockman. These two survived an intense bumpfest with the rest of the

field in the opening laps. The middle positions changed hands a bit, but Paul and Randy showed that they truly were the strongest and most deserving of their positions. Rob Sturghill and David Danaher rounded out the top five on the slip and slide. The 4WD Main proved to be quite amusing. Early goofing around shuffled the lead among the top three, Jason Willener, Brian Gisi and Chadd Brockman. Brian, the odds favorite, got back into form and tried to run down Jason in the last few seconds. Unfortunately, he came up just a bit short as number four qualifier Jason won by less than one half of a second. Now that the Buggy Class is complete, the owners of Mohr's Raceway are ready for the Truck class in Mid August. If the way that this race was run is any indication of how the Truck Regionals will go, look out for another great race. A good track, friendly

people and great competition will surely create the atmosphere for another sensational race weekend. This writer knows he will be there for it!

### Stock 2WD Mains A Main

- 1st - Jade Kurtchi
- 2nd - Brian Gisi
- 3rd - Chuck Erickson
- 4th - Paul Schwander
- 5th - Randy Brockman
- 6th - Dave Bonfoey
- 7th - Charlie Perez
- 8th - Tony Graham
- 9th - Welby Nalls
- 10th - Josh Call

### B Main

- 1st - Michael Everett
- 2nd - David Danaher
- 3rd - Steve Rossi
- 4th - Mason Marks
- 5th - Corey Cottle
- 6th - Travis Lay
- 7th - Brian Westerman
- 8th - Chad Ocobock
- 9th - David Stockham


### C Main

- 1st - Victor Wu
- 2nd - Jason Everhart
- 3rd - Joey St. Peter
- 4th - Richard Sikes
- 5th - Ben Kim
- 6th - C.R. Brinton
- 7th - Matt Hopper

### D Main

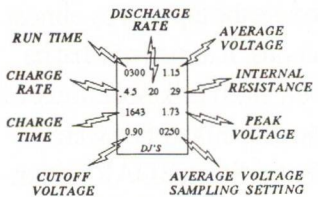
- 1st - Travis Muehlbauer

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## THIS MONTH IN RACING

2nd - Spencer Wu  
 3rd - Jacob Muehlbauer  
 4th - Dave Wilson  
 5th - Loren Brinton  
 6th - Jesse Kellogg  
 7th - Dan Mayer  
**Modified 2WD Mains**  
**A Main**

1st - Jade Kurtchi  
 2nd - Paul Schwander  
 3rd - Randy Brockman  
 4th - Rob Sturghill  
 5th - David Danaher  
 6th - Tony Graham  
 7th - Dave Bonfoey  
 8th - Jason Willener  
 9th - Chuck Erickson  
 10th - Welby Nalls

**B Main**  
 1st - Travis Lay  
 2nd - Chadd Brockman  
 3rd - Mason Marks  
 4th - Steve Rossi  
 5th - C.R. Brinton  
 6th - David Stockham  
 7th - D.J. Kaiser  
 8th - Rich Chaney  
 9th - Tim Haugen  
 10th - James Bretzing

**C Main**  
 1st - Trevor Tompkins  
 2nd - Bryan Cwik  
 3rd - Brian Anson  
 4th - Kenny Nalls  
 5th - Victor Wu  
 6th - Michael Geiser  
 7th - Spencer Wu  
 8th - Chad Ocobock  
 9th - Justin Ward  
 10th - Dave Wilson



*Jade Kurtchi took the Stock and Modified Region 10 Championships*

**Modified 4WD Mains**  
**A Main**  
 1st - Jason Willener  
 2nd - Brian Gisi  
 3rd - Chadd Brockman

4th - James Bretzing  
 5th - Michael Everett  
 6th - Spencer Wu

CP

# Circuits of America . . .

## EKP R. C. Off Road Club

*Miami, Florida*

This is a historical view of the making of a new high-tech R/C race track in South Miami. I will first attempt to present you with the setting at the time of conception. A 32 year old husband and father of two children who is interested in finding something to keep his kids out of the temptations our streets have to offer. He finds himself in a hobby store and sees a 1/8 R/C Off-Road Buggy, he suddenly gets taken away into thoughts of excitement and joy as he finds himself behind the wheel, jumping, turning, stopping and going, all of a sudden he felt a tug and he returned from his fantasy. His son tells him how great the 1/8 buggies look, at which point he buys a buggy and so the story begins. As he seeks out a place to race the buggy, a stumbling block occurs. There are no tracks in Miami.

As he discusses his new found love and the obstacle before him with his father, he tells him about the family ranch. Mr. Perez, his father and son head out to the ranch which has been sitting there serving very little or no purpose for a few years. As they drove up to the 5 acre ranch it was as if Mr. Perez had a special pair of sunglasses on, with some magical futuristic viewing device, he saw his dream and felt to accomplish it immediately. In the joy of the moment he got on his cellular phone and hired an independent research firm to inform him on the R/C industry with an emphasis on "Off-Road".

Within a few weeks Mr. Perez was presented with a detailed report on the company's findings. The following day Mr. Perez was out at the ranch with some of his friends

along with a few heavy machine operators and began to build his dream.

A couple of weeks later a special mixer of Georgia clay was being hauled in. The "VISION" was becoming a "REALITY". Mr. Perez kept giving the research company different request on equipment and feasibility problems as to the maintenance of the track, as the company learned through travel to other facilities and one on one conversation with industry leaders, it was evident that a high tech maintenance approach had never been taken.

With this information Mr. Perez had the mist sprinkler system designed and shortly after that implemented it. The driver's stand was erected and the AMB computer control center was prepared.

Mr. Perez then invited racers from all over Florida and had an invitational race to test out all the new features and to see how the track handled different driver's needs. He had 2 World Class drivers give him further insight on minor adjustments as they told him his track was a "World Class Facility". After this race, changes were implemented, to further solidify this "REALTY" and now he is cordially inviting you to see it for yourself. The track opened officially on Saturday, July 30th, 1994 at 9 p.m.

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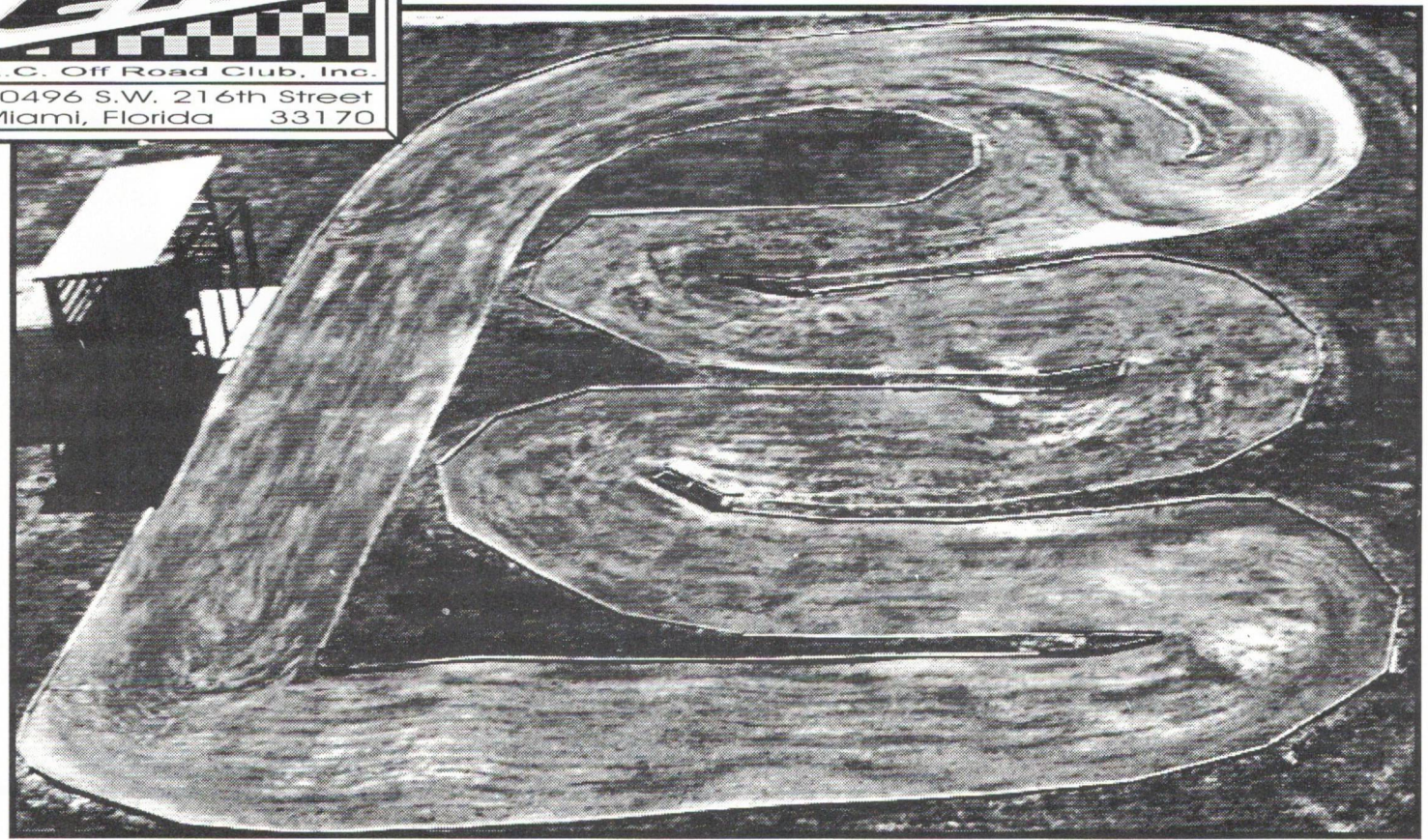
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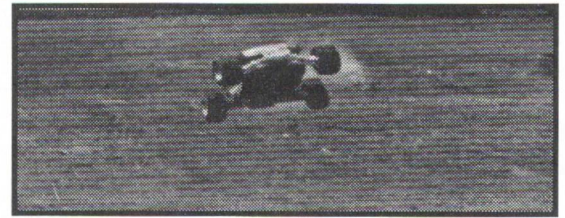
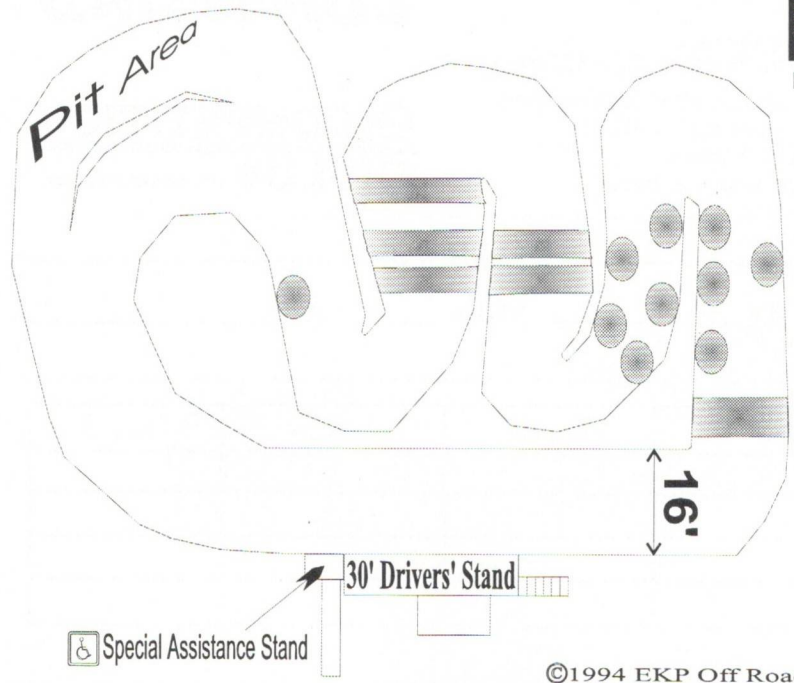
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Saturday 5:		Drivers Meeting	9:00am
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Drivers Meeting	9:00am	** Concours Sunday	
All Stock Classes	9:30am ---		



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# RACING SCHEDULE

## ALABAMA

### PERFORMANCE R/C HOBBY & RACEWAY

Racing for 1/10th and 1/12th cars. Indoor carpet and oval course. Racing every Saturday night at 6:00 p.m. (also off-road - call). 1/10th scale off-road racing every Sunday at 2:00 p.m. (call for oval races). Track is at 2600 Beltline Rd. Decatur, AL. (205) 353-3399

## ARIZONA

### HOBBYTOWN U.S.A., PHOENIX

Racing for 1/10 scale asphalt oval every Sunday at 1:00 p.m. at "Bell Canyon" Pavillions. Located at 2814 W. Bell Rd. Phoenix, AZ 85023. Phone (602) 993-0122.

### HOBBYTOWN U.S.A., GILBERT

1/10th and 1/12th electric outdoor asphalt 100 ft. oval. Racing held twice a week, 12 months a year. Drag racing held on the 1st and 3rd Tues. of every month. Fully stocked hobbyshop, classes for all cars, and computer scoring make for a great racing experience. For race times and more information contact HobbyTown; Gilbert & Baseline Rd., Gilbert, (602) 892-0405.

### HOBBYTOWN U.S.A., SCOTTSDALE

1/10th and 1/12th electric outdoor asphalt oval. Year 'round racing twice a week in the warm Arizona sun. Fully stocked hobby shop and nearby restaurant/hotel accommodations make this a perfect R/C get-away. For race times and information contact Hobbytown; Indian Bend and Pima, Scottsdale, AZ (602) 948-3946.

## ARKANSAS

### TRI STATE R/C

On-road and paved oval 1/10 cars will find a home at this facility. Racing is done on an indoor carpet track, and along with the circuit there is a hobby shop, snack bar, A/C power and scoring is done with an auto count. The track is at 409 North 4th, in Fort Smith, AR 72901. For more information call (501) 783-4038.

## CALIFORNIA

### OUTLAW MOTOR SPEEDWAY

1/4 Scale Dirt Oval every first and third Saturday. 1/10 scale: Tues. Tamiya Off-Road, Thur. Off-Road & Dirt Oval, Fri. 1/10 and 1/12 on-road, first Sunday Dirt Oval, second Sunday 1/10 & 1/12 On-Road, 3rd and 4th Sun. off-road. 7920 Webster, Highland, CA, (714) 864-1770.

### THE RANCH PIT SHOP

1/10 Scale: Every Wednesday night at 6 p.m. Alternating Oval and Off-Road. Every fourth Sunday 1/12 & 1/10 on-road combined program. 1655 E. Mission Blvd., Pomona 91766, (714) 623-1506.

### MERCED RADIO CONTROL AUTO RACES

All 1/10 scale with AMB autocoount timing and scoring. Located at Merced Airport, East of Highway 99. We have a 430 foot on road track and a 246 foot dirt oval. We also have an off-road track. Covered pit tables, restrooms and plaques or merchandise for awards. For information and the latest racing schedule call (209) 383-5352.

### SMR/CRC

1/8 Scale & 1/10 On-Road: First Sunday of each month at G.I.A., 1660 Stewart Street, Santa Monica, CA. Sign-up 8:30 a.m. For more info call Glenn Williams (213) 734-7888, Chris Chan (213) 393-3735, or Tom Wong (213) 821-5472.

### REECE'S R/C RACERS

1/10 Scale: 1st & 3rd Sundays at Spinner's Airport Raceway, 2nd & 4th Saturday's at Reece's R/C Racers, (209) 784-0922.

### SROKA'S INDOOR R/C

1/10 Scale: Every Sunday - Oval racing every 4th Sunday. 5216B Arboga Rd., Marysville, CA 95901. Call Michael or Vickie Sroka (916) 742-6148 or (916) 741-3051.

### HOBBY HAVEN RACEWAY

1/10 Scale: 1756 First Street, Livermore, CA 94550. For further info call (415) 443-5828 M-F 10 a.m. to 6 p.m.

### FAST LANE R/C

Address is 25845 San Fernando Rd. #21, Saugus, CA 91350. Contact John or Darlene at (805) 255-2404. Racing is off-road, dirt oval, asphalt road course and asphalt oval.

### THE SQUARE ROUNDHOUSE SPEEDWAY

1/10 Scale: Saturdays 3 events per month, Off-Road, Monster Truck Pulls and Oval Race. Oval dirt track and Off-Road tracks. 1468 Lander Avenue, Turlock, CA 95380, (209) 668-4454. Ask for Harold Lindquist.

### BROTHERS-IN-LAWS R/C RACING

1/10 Scale Dirt Oval. Racing every Sun. Call Bob (619) 949-5252.

### ANTIOCH RACEWAY

1/10th Dirt Oval racing every Friday 7 p.m. All classes. Sat. & Sun. 1/10 dirt oval and off-road 10:30 a.m. Also night racing. 5631 Lone Tree Way, Antioch, CA 94509. Call (415) 754-5700.

### R.C. CITY RACEWAY & HOBBIES

Off-road racing every Tues., Fri., Sun., Oval racing every Sat./Practice time and rentals available. Call for more info. (408) 262-3188. 1453 N. Milpitas Blvd., Milpitas,

### MOUNT SHASTA R/C RACEWAY

1/10 Scale: Lassen Lane and Smith Road. (916) 926-4717. Home of Cal-Ore Off-Road Championships. 1/10 off-road racing every other Sunday. May through October. Indoor carpet racing 1/10 & 1/12 Nov. through Apr. 826 Pine St., Mount Shasta, CA 96067.

### HOBBY HUT

1/10 Scale: 2665 Park Marina Dr., Redding, CA 96001, (916) 241-3737. Off-Road racing. Norcal Mini Off-rovers. Ask for Kevin.

### DESERT HOBBIES & RACEWAY

1/10 Off-Road racing 1st & 3rd Sundays. Every Friday 7:30 p.m. 25 min. from San Bernardino, 17210 Main St., Hesperia, CA 92345.

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### D & B HOBBIES AND RACEWAY

Off-road Thursday and Saturday, dirt oval Fridays. Special events on Sunday. Call (408) 280-6539, Wed. thru Sun. 2:30 to 6:00.

### BOB & JIM'S R/C WORLD

1/10 and 1/12 scale road course race every Mon., Wed., & Fri at 7:00 p.m. 1/12 and 1/10 scale oval racing on Sat. at 5:00 p.m. For more information call (714) 684-6314. Track is at 3485 University Ave., Riverside, CA 92501.

### JD HOBBIES

Racing for 1/12 and 1/10 gas and electric cars, on both on-road and paved oval courses. Racing is done outdoors, on an asphalt surface. The facility has a hobby shop, snack bar, AC power and scores races with an auto count system. The track is at 1009 W. College Ave., in Santa Rosa, California. For more information call (707) 571-1700.

### RC RACING CENTER & HOBBIES

1/10 Scale racing every Tuesday and Friday at 7 p.m. Sunday racing at 10:30 a.m. Indoor track and hobby shop, AC power, auto lap counting and food. Located in San Diego County; 9842 Channel Rd., Lakeside, CA 92040. (619) 443-2270.

### VENTURA ROAD RUNNERS

1/10 scale off-road every Friday and 1st Sunday. 1/10th dirt oval every Wed. and 3rd Sunday. 1/10th and 1/12th asphalt road the 2nd and 4th Sunday. 1/10 and 1/12 scale asphalt oval the 5th Sunday. Freedom Park Raceway, 520

Freedom Pk., Camarillo CA 93010. Contact Ed at (805) 499-8266 or Less at (805) 484-8920. Sign-ups close at 7:00 p.m. nights and 9:30 a.m. on Sunday.

#### **CLOVERDALE R/C RACEWAY**

We race both indoors and out, gas and electric, in 1/12, 1/10 and 1/8 scales. The facility has carpet, and dirt tracks for road racing, off-road and oval. Race scoring is done via an auto count system, and there is AC power and a hobby shop on site. Parking isn't a problem, and there's even RV access. For more information call (707) 894-4468 or visit us at #1 Citrus Fair Dr., Cloverdale, CA 95425.

#### **RAMS**

Racing for 1/8 scale cars on the 1st & 3rd Sundays of each month at Murco Plaza (Paseo Padre Parkway & Mowry East) in Fremont, CA. Contact Mike Alten (510) 490-8734.

#### **SO CAL RADIO CONTROLLED RACEWAY**

Racing Wed., Fri., and Sat. for 1/10th electric off-road cars. This is an indoor facility with plenty of parking, AC power, snack bar, auto count and full hobby shop. Track is also open for practice on non race days. Visit us at 11930 Valley View St., Garden Grove, CA 92645. The phone number is (714) 892-0088.

#### **HOBBY WAREHOUSE OF SACRAMENTO**

Indoor off-road racing with AC power. Snack bar, full pro shop and friendly staff. Track is located at 8950 Osage Ave., Sacramento, CA 95828. (916) 381-7588.

#### **SAN FRANCISCO RADIO CONTROLLED MODEL CAR CLUB**

Holding 1/10th scale gas and electric road racing on asphalt at the Tanforan Shopping Center. Races are held on the 2nd and 4th Sundays, February through November. For more information call Jerry Imboden at (415) 589-7836 or Randy Swan at (415) 221-1978.

#### **MNM HOBBY RACEWAY**

On and off-road racing highlights this complete facility. Road racing every other Saturday for 1/12 and 1/10 cars. Off-road every Tuesday, Friday and Sunday. Indoor pitting, power, chairs and snack bar. Address is 137 N. Vander, Corona. For more information call (909) 272-3545.

#### **LODI'S R/C SPEEDWAY**

Indoor 1/10 and 1/12 banked oval and road racing is in store for those who come to this track. In addition to the fine circuit racers can enjoy a fully stocked hobby shop, snack bar, AC power and scoring is done via an auto count system. The track is located at 1109 Black Diamond Way, Lodi, CA 95240. Phone them for our latest racing schedule at (209) 334-5681.

#### **JAKE'S PERFORMANCE HOBBIES**

Outdoor road racing finds should try this track located in Rohnert Park. There are classes for 1/12 and 1/10 scale cars and races are on asphalt and conducted on oval and road circuits. Along with this electric car track, there is a hobby shop, computer scoring, and food is available. For the latest racing schedule please call them at (707) 586-3375. Jake's is at 6650 Commerce Blvd. #21, Rohnert Park, CA 94928.

#### **M & L RACING**

Just about every scale known to man can be raced at this track. M & L races 1/12, 1/10, 1/8 and 1/4 scale in both gas and electric, on and off-road. The facility is outdoors and features a hobby shop, snack bar, AC power, auto count and RV access. For more information you can write us at 1875 #B Joe Crosson Dr., El Cajon, CA 92020. Phone (619) 449-1435.

#### **RACERS HAVEN HOBBIES**

Racing every Friday at 7 PM on a covered dirt track. Racing alternates weekly between off-road and dirt oval. Outdoor asphalt oval and on road racing monthly as well. Auto count, AC power, snack bar and RV access are also available. We have a full hobby shop on the premises as well. For a complete race schedule call (805) 835-0441 Track is at 7401 White Lane, #9, Bakersfield, CA 93309.

### **CANADA**

#### **RANDY SHANTZ RACEWAYS**

Racing for 1/10 gas and electric off-road every Sunday. Track measures 150' X 75', and there is wheel chair accessibility. Track is close to amenities, but there is no A/C power. The track is operated by Top Qualifier Race Club. Call Steve at (604) 945-3888 Track is at 1044 W. 14th St., North Vancouver, BC, Canada.

#### **R.R.O.L.**

1/12 carpet racing Tuesday, 1/10 carpet racing Wednesdays. Sept. to May, Asphalt & off-road in summer. Remote Racers of London, P. O. Box 7241,

Stn. E. London, Ontario, N5Y-4J0, Canada. Dan Engelbreth, (519) 668-0427.

#### **S.T.A.R.C.**

1/12 Scale: Wed. nite - STARC Club Series. Rockton, Ontario, Canada. Sam Burke (519) 621-5424.

**S.O.R.C.R.C.C.** 1/12 Scale: Southern Ontario Radio Control Race Car Club in Toronto, Ontario, Canada. Racing alternating Sunday nites Oct. - April Scott Reynolds 298-4941 or Gary Joi 421-9061.

#### **HOBBYPRO RACEWAYS LTD**

100 X 50 Indoor track, 90 X 50 Indoor asphalt track and 200 X 60 Outdoor oval track all at this facility. Racing for 1/12 4-Cell Friday evenings, 1/12 and 1/10 6-Cell Saturday evenings and 1/10 off-road Thursday evenings and all day Sunday. On-site hobby shop, A/C power and 80 pit stalls. 16020-132 Ave., Edmonton Alberta Canada T5V-1M1. Phone (403) 455-RACE.

#### **HONDA HOUSE MOTOR SPEEDWAY**

Racing for 1/12 scale electric on-road. The track is an indoor facility, and we race on a carpet surface. We also have a hobby shop, auto count, and have AC power on hand. We are located at 384 Richmond St., Chatham, Ontario Canada, N7M1PQ. Call us at (519) 354-5530.

#### **AUTO R/C CHATEAUGUAY**

Indoor racing for 1/10 electric off-road cars is what to expect at this track. Along with a nice dirt circuit, you can purchase your parts here or pick up a snack. For those using the track you'll be happy to hear that they have AC power available. Give them a call at (514) 698-2151. Or stop by at 26 Boul. d' Anjou, Chateaugay (Montreal), Quebec, Canada.

### **CONNECTICUT**

#### **PANTHORN RACEWAY**

1/10 Scale: Panthorn Park, Burrill St., Southington, CT. Every Saturday May 1st - Nov. 1st. Off-road, oval, Baja, truck pulling. Call (203) 628-9345 Ben Carr, 272-9326 Pete Church, 237-6976 Bob Lavoie, 879-2316 Steve Magnani.

#### **WALLINGFORD INDOOR RACING ASSOC.**

Connecticut's oldest indoor r/c facility. Carpet road course is 225 feet and the facility has lighted pits for 125 cars. Scoring is done by AMB with races scheduled every Friday and Sunday through the month of May. For further information call Wayne Rydzzy at (203) 265-3939. Track is at 63 North Cherry St., Wallingford, CT 06492.

#### **CONNECTICUT R/C OFF-ROAD**

1/10 Off-Road, from end of April to middle of October. Racing every Sunday weather permitting. Call Mike Belmonte at (203) 661-0145. Track is at Old Field School in Fairfield, CT.

#### **R/C HOBBIES RACEWAY**

1/10 Scale: Route 163, Bozrah, CT. Racing every Sunday, May 1 to Oct. 30. For more info call (203) 886-9441, ask for Mike or Bob.

#### **SNORR**

1/10 Scale: Racing every 1st and 3rd Sundays. P. O. Box 438, East Haven, CT, (203) 469-2594 or (203) 481-5813, Dave Seales.

#### **BUCKLEY SPEEDWAY**

1/10 Scale: 37 Douglas Street, Hartford, CT. Every Sunday April 1st to Nov. 31st. Black top oval. For more info call "Ziggy" or Debbie Kwasnicki (203) 246-4778.

#### **LITTLES HOBBIES**

1/10 Scale: Monday - Trucks; Tuesday - Sprint Cars; Sat. - 2WD 6 yrs. to 16 yrs.; Sunday - All classes indoor clay oval and road track fast, Stock & Mod classes. 111 Main St., Tr. 66, Hebron, CT 06248, (203) 228-4942.

#### **CONNECTICUT AUTO RACING TEAM**

1/10 Off-Road and Sprint Car Oval. 37 Douglas St., Hartford, CT 06114, Zig (203) 246-4778.

#### **K & M R/C SPEEDWAY & HOBBIES**

1/10 Scale: 735 Canal St., Stamford, CT 06902, (203) 967-7255. 7,000 sq. ft. complex, ample pit with power, fully stocked hobby shop. Organized racing held weekly. Call for details.

#### **EAST LYME R/C KAR CLUB**

1/10 Scale: Every Sunday starting May 20 thru Sept. Racing at 11 a.m. Located at Society Rd, East Lyme, CT (Behind the Junior High School). For info call Paul Johnson, 739-4070 evs. or weekends.

#### **NERCAR**

Racing for 1/8 and 1/10 gas on road. For info call Phil (203) 627-5410; Larry (203) 749-6281; Wes (203) 749-6281. Enfield, Conn.

## COLORADO

### MILE-HI R/C SPEEDWAYS

1/10 Scale: Thurs. & Sat. off-road; Fri. carpet, Sun. 2 p.m. 178 S. Kalamath, Denver, CO 80221, (303) 722-6766.

### M.H.O.R. R/C RACEWAY

Indoor and outdoor 1/10 off-road racing for gas and electric cars. Complete hobby shop, A/C power, snack bar and ROAR rules apply. For info (303) 343-0151. We are located at 155540 E. Batavia Dr., Aurora, CO 80011, (East on 17th Ave. at Chambers Rd.)

### ROCKY MOUNTAIN MINI SPORTS

Racing for 1/4 scale cars has come to Denver. We race both off-road and oval, on dirt, indoors. Our facility has a hobby shop, snack bar and for counting accuracy we use an auto-count system. We are located at 6401 N. Broadway, Unit G, Denver, CO. You can reach us by phone at (303) 426-0110.

## DELAWARE

### HOT TRACKS/D.A.R.C.A.R.

Delawares finest carpet track. The circuit is more than 200ft. around! We have racing for 1/12 & 1/10 on-road and off-road cars. The facility also includes a hobby shop, snack bar, AC power and an auto count system. For more information call (302) 674-9123. The track is located in the Blue Hen Shopping Mall, in Dover.

## FLORIDA

### JAY'S R/C

1/10 Scale indoor carpet oval and road course. 5018 14th Street West, Bradenton, FL 34702, (813) 756-6393, 758-2565, 746-8649.

### LOU'S R/C HOBBIES & RACEWAY

Racing on Saturday is at 12:30 for 1/10th scale clay oval. Sunday racing is 1/10th off-road. Both tracks have handicap access. There is computer lap counting, a hobby shop and food available. The track is located at 4931 Oleander Ave., Fort Pierce, FL 34982. Call Lou at (407) 464-3207.

### LAKE WHIPPOORWILL SPEEDWAY

1/10 oval racing every Saturday. Open practice other days. 12345 Narcoossee Rd., Orlando FL, 32827 - (407) 277-9586.

### B & T R.C. CENTRAL

Racing for 1/10 off-road on the 2nd and 4th Saturday. Track at 811 Playground Rd., Fort Walton, FL 32548. Phone (904) 863-2666.

### DOC'S INDOOR R/C RACEWAY

Florida's state of the art facility. Plenty of pitting space, slot car track, bathrooms, snack bar and hobby shop. Located at 16803 US 19 N. Clearwater, FL 34624. For information call (813) 538-3096.

### BROWARD COUNTY R/C RACE CLUB

Racing for 1/10 and 1/8 cars in gas and electric models. We run on-road, off-road and paved oval. Racing is done outdoors, and there is AC power and an auto count scoring system. For those with motorhomes there is RV access. We race at 2201 N.W. 9th Ave., in Mill's Pond Park, Fort Lauderdale, FL. For further information call (305) 525-3304.

### RIVER CITY R/C CAR CLUB, INC.

Racing for 1/12 and 1/10 on road electric cars. We race outdoors on asphalt and score with an auto count system. Club address is 9711 Sharing Cross Dr., Jacksonville, FL 32257. Call (904) 268-1948.

### CORAL SPRINGS ROAD RUNNERS

Racing for 1/10 gas and electric cars on an outdoor off-road track. Racing is scored with an auto-count system to ensure accuracy. P.O. Box 9632, Coral Springs, FL 33075 - (305) 925-8284.

### SOUTHWEST FLORIDA R/C RACEWAY

Outdoor road race fans can come out and compete at this track. Race classes for 1/12 and 1/10 paved oval and drag racing on a cement track. The facility also includes a hobby shop, snack bar, AC power, an auto count and there's RV access. Track is at 2425 Rivers Rd., Naples, FL 33964. Phone them at (813) 455-1143.

### COMPETITION HOBBY SUPPLIES

There are three outdoor tracks to race on at this facility. Scales for electric 1/10 & 1/12, and racing classes that include off-road, paved oval, dirt oval and

clay oval. Track is at 1006 Loudon Rd. Rte. 9, Latham, NY - (518) 786-3622.

### GREATER ORLANDO AUTO RACERS

This track races 1/10 gas and electric off-road, on an outdoor track. The facility features AC power and scoring is done via an auto count system. Track is at 970 Keller Rd., Altamonte Springs, FL 32714. For more information call (407) 263-4819.

### FIRST COAST AUTO RACERS

This is an outdoor concrete tri-oval measuring 465' at the centerline. There is racing every Saturday for 1/12 and 1/10 scale electric cars. Computerized auto-scoring, A/C power, snack bar, and pit tables for more than 150 racers compliment this track. For more information you can call or write Bob Thompson at: (904) 743-2161 - 6410 Waltho Dr., Jacksonville, FL 32211.

## GEORGIA

### GEORGIA HOBBY CENTER

1/8 and 1/10 off-road and clay oval every Sat. and Sun. at 2:00 p.m. 112 Kenwood Rd., Fayetteville, GA 30214. (404) 460-1753

### SILVER WINGS HOBBIES & RACETRACK

Indoor 260 ft. 1/10 scale clay oval. Complete hobby shop, plenty of electrical. Racing Tuesday & Saturday 7:00 p.m. Snack bar on site. 5611 Riverdale Rd., College Park, GA 30346 - (404) 991-2225.

### LAKE MAYER RACEWAY

Home of the S.C.O.R.E. 1/10 dirt oval and off-road track. Raceway is located at the Lake Mayer Park, Montgomery Crossroads, Savannah, Georgia. Please call (912) 355-6033.

## IDAHO

### CAPITAL DIRT BURNERS

Both gas and electric 1/10 scale cars are welcome here. We race dirt off-road and oval outdoors. Our track has AC power and computer scoring. We race every other Sunday. For more information call Mike (208) 345-3906 or Jim (208) 383-0426.

## ILLINOIS

### MACHESNEY PARK RACEWAY

1/4 scale, and 1/10 scale: Large asphalt oval racing alternating every Saturday and Sunday April thru October. 1220 Shappert Dr., Machesney Park, IL 61111, (815) 282-1311.

### R & R HOBBY

1/10 Scale dirt track inside and outside, also 1/12 tracks inside and outside. 1414 N. 24th St., Quincy, IL 62301, (217) 228-1133.

### THE INSIDE TRACK

1/10 Scale: Every Wednesday 7 p.m. and Saturday 6 p.m. For more info call (312) 898-5649. 725 Hill Ave., Aurora, IL 60505.

### RECTOR'S R/C

1/10 Scale: Indoor dirt oval/off-road. Alternate months. 6 p.m. Saturdays, 2 p.m. Sundays. RR3, Albion, IL 62806. (618) 447-3282.

### CARPETBURNERS R/C CLUB

436 East Main Street, (Rear) Danville, IL 61832, (217) 442-7466.

### C & C HOBBIES AND RACEWAY

Off-road every Fri. night and Sun. 2081 W. Station St. Kanakee, IL Call Chris at (815) 935-2600 or Ken at (708) 485-6366.

### AMERI-TRAC SUPER SPEEDWAY

All are invited to Sunday racing at its best! We have 1/10 oval and off-road electric, 1/10 and 1/8 gas off-road and a 400' center line of smooth concrete to race high banked tri-oval. One of the nation's largest off-road tracks that features 625 feet of racing for both Stadium trucks and Buggies. We have a large pit area, plenty of AC power, concession stand, a well stalked hobby shop and we are close to I-57. For a free schedule and VCR tape of the facility call or write us today! Phone (217) 234-8707. Rt. 3 Box 242, Mattoon, IL 61938.

### MIDWEST HOBBY TRAX R/C RACEWAY

1/10 scale indoor off-road and oval racing every Friday 8 p.m. and Sunday 10:00 a.m. AMB scoring, AC power, snack bar, full hobby shop. 114 Kirkland Circle - Unit A, Oswego, IL. (708) 978-RACE.

### EAGLE SPEEDWAY AT PONTIAC

1/10 & 1/12 Indoor carpet oval and road course racing held Wed., Sat. and Sun.

Practice on Tue and Sat. AMB counter hobby shop, snack bar, etc. 313 N. Plum St., Pontiac, IL 61764. (815) 842-1738.

#### **R/C RACEWAY - CHICAGO**

Racing for 1/12 and 1/10 gas and electric cars can be had at this indoor facility. There is racing for on-road and oval cars, and we race on carpet. The track has AC Power and a snack bar. To find out about or racing schedule call us at (708) 352-5354. We are located at 2745 W. 111th, Mt. Greenwood, IL 60655.

#### **LEISURE HOURS R/C RACEWAY**

Indoor carpet track 48 X 96. Racing for all racers who own oval and on-road 1/10 and 1/12 scale. We also have off-road carpet racing with jumps, bumps, tabletops, dips etc. AMB & Auto-Score, fully stocked hobby shop, food. For more information or if you would like to be on our mailing list please call (815) 439-1477 (store) or (815) 439-1777 (track). We are located at 24121 W. Theodore St., Plainfield, IL 60544.

#### **SHILOH EAGLES SUPER SPEEDWAY**

Racing for 1/10 scale on Friday nights and Sundays on a super outdoor 415' center line high banked asphalt tri-oval. Racing on this track is April thru early October. Indoor carpet racing on our 150' center line high traction speedway Saturdays October and November, and Sundays December thru March. The track features plenty of pitting space (indoor space available during outdoor racing too) and AC power. AMB System 20 scoring, a fully stocked hobby shop on site, and a full service concession stand. Located in Shiloh, just twenty minutes from downtown St. Louis, just off I-64 East. For a free schedule and more information call or write us at: Phone (618) 277-6030 - 308 N. Virginia Ave., Belleville, IL 62220.

### **INDIANA**

#### **RPM R/C RACEWAY**

1/10 Scale Indoor off-road racing every Sunday at 12 Noon. 1112 S. 16th, Elwood, IN 46254. For more info call (317) 552-7758.

#### **R/C RACEWAYS**

1/10 indoor dirt oval. Wed. 6 p.m. oval. Fri. 6:30 p.m. Sun. 12 noon oval or off-road. Call (219) 747-6414. 2710 Nuttman, Ft. Wayne,

#### **ARVIN'S HOBBY CENTRE**

1/10 Scale: 2,600 sq. ft. carpet track with movable rails so we can change from oval to off-road. We run off-road and on-road cars on Sat., Sun., and Wed. 1403 E. Spring St., New Albany, IN 47150, (812) 945-3745.

#### **RACEWAY PARK**

Mishawaka, IN (Northern Indiana)

Winter - Large indoor carpet track - two Sundays a month. Summer - The Midwest's Best Off-Road track - two Sundays a month. Off-road track is on N. Main Street. For info call Bob (219) 256-1020.

#### **HOBBY WORLD RACEWAY AND HOBBIES**

Indoor dirt oval and off-road. Racing every Wed. and Sat. at 7:00 p.m. Full hobby shop, AMB scoring, AC power and snack bar. 1508 N. Harlan, Evansville, IN 47711. (812) 421-1100.

#### **RC ZONE & RACEWAY**

Located inside the Indy Indoor Sports at 34th & Highschool Road, we feature an indoor carpet track with racing every Saturday - April through October. Rentals available for racing on Friday nights. Full service hobby shop and facility. For more information call Greg or Russ at (317) 290-0067 or write to 6380 W. 34th St., Indianapolis, IN 46224.

#### **GONZO RACEWAY**

1/10 outdoor off-road racing on Sundays May thru September. Racing starts at 10:00. Indoor carpet racing November thru March. Computerized scoring. For more information (219) 980-8409. 418 Roberts Rd., Chesterton, IN 46304.

#### **BJ'S RIVERSIDE RACEWAY**

1/10 scale lighted 450 foot outdoor off-road dirt track. 1/10 scale 115 foot indoor high banked dirt oval with jumps. Outdoor racing Friday at 6:30 p.m. Bomber class (6-cell and bag motor, 6:00 min. heats) Saturday 6:30 p.m. oval racing (all classes, 4:00 heats) Sunday 6:30 p.m. off-road (All classes, 4:00 min. heats) A/C power, computer lap count, snack bar & R/C sped shop. 265 South Clay St., Jasper IN, 47546. Call Joe "BJ" Lorey (812) 482-3484.

#### **P & T HOBBIES**

1/10 off-road and oval racing on one of the midwest's finest circuits. Full service hobby shop on site and ample pitting with AC power. Oval is 220' long and off-road circuit offers more than 300' of racing. Racing Fri. night and Sat. R.R. #2, Box 450A, Mitchell, IN 47446, (812) 849-6666.

#### **RIMFIRE RACEWAY**

Racing for 1/10 scale gas and electric cars is what has made Rimfire Raceway the popular track that it is. The facility features an indoor and outdoor track,

and they race both off-road and oval. Rimfire has a hobby shop, snack bar, AC power and an auto count system. The track is located at 8 Wood Ct., Hebron, IN 46341. Call them for the latest racing schedule at (219) 996-6288.

#### **R/C WORLD OF INDIANA**

This popular track has racing for 1/10 electric off-road cars. The facility features a hobby shop, snack bar, AC power, auto count system and there is RV access. For their racing schedule call (317) 874-2464. Or they can be reached by mail at R.R. #2 BGHox 335, Lynn, IN 47355.

### **IOWA**

#### **BOB'S R/C SUPPLY & RACEWAY**

1/10 Scale: Indoor carpet racing! Tues. 1/10 oval; Fri. 1/12 Road Course; Sat. Monster Trucks. Stock & Modified. Call Bob, Nancy or Kevin (319) 232-2235, 935 Sheerer Ave., Waterloo, IA 50701.

#### **NORTH PARK R/C SPEEDWAY**

1/10 & 1/12 electric, 1/8 gas and 1/4 scale: For info write c/o Mike Beisch, 805 S. Jerome, Algona, IA 50511 or call (515) 295-9352.

### **KANSAS**

#### **EBERSOLE HOBBY & R/C RACEWAY**

1/10 Scale off-road and oval. Races Wed., Thurs., Sat., and alternate Sundays. 11417 W. Highway 54, Wichita, KS 67209. Len Ebersole, (316) 722-8888.

#### **KANSAS R/C RACING CLUB**

Every Second Sunday, Junction City; Every 4th Sunday Enterprise.

#### **DEE & MEE HOBBIES**

Two tracks; dirt oval and off-road, oval on Mon. and off-road on Fri. Both at 7:00 p.m. Carpet 1/12 on Tue. at 7:00 p.m. 628 Kansas, Topeka KS 66603. 357-4232.

#### **EBERSOLE R/C SUPER SPEEDWAY**

High banked asphalt oval, road course, dirt oval and off-road. Electronic lap counting. track at 11417 W. Hiway 54, Witchita, KS 67209. Phone (316) 722-8888.

#### **RCRC RACEWAY**

Outdoor dirt oval and off-road track with full hobby shop, AC power, concessions and lights for night racing. Track is 95 by 65. For more information contact Bob Dunker at (913) 626-3261 day or (913) 626-9681 nights. Track is 507 N. 4th St., Atwood, KS 67730.

#### **R/C WORLD RACEWAY**

Corky and Pam Green are your hosts for 1/10 electric off-road and dirt oval racing on their indoor track. This facility has a hobby shop, snack bar, auto count and AC power. Racing for the dirt off-road cars is Saturday and the dirt ovals race Thursday. Call (913) 793-2313 for current start times. They are located at 217 Brownie Ave., Scranton KS, 66537.

### **KENTUCKY**

#### **HOBBY CENTER**

Hobby Center - 2106 Triplett St., Owensboro, KY 42303 - (502) 683-7611. Full service facility including hard surface flat track with a straight 75 feet long! Track indoors, regular racing every Thur. at 7:00. Track open daily for practice. Hours 11:00 a.m. to 7:00 p.m. Mon. - Fri., Sat 11:00 a.m. to 5:30 p.m.

#### **RIVER CITIES R/C RACEWAY**

1/10 Scale: Racing at 5:30 Saturday evenings under a light area. Call Randy Aust (606) 836-4273 or Jason Graham (606) 836-2613. Ashland, KY 41101.

#### **PIT ROW HOBBIES**

Both gas and electric, 1/12 and 1/10 cars will find a home racing here. There are also classes for on-road, off-road and dirt oval cars. This complete facility features a Hobby shop, AC power and scoring is done by auto count. Pit Row races both indoors and out, and with the number of classes it's a good idea to give them a call for the latest schedule. They can be reached at (502) 782-2419. They are located at 281 New Porter Pike, Bowling Green, KY 42103.

### **LOUISIANA**

#### **CAJUN R/C & RACEWAY**

1/10th scale off-road dirt track (outdoors) Complete hobby shop, A/C power, food. Races every Sunday at 1:00 p.m. Route 2, Box 288 - Hwy. 343 (Bosco), Church Point, LA 70525. For more info call Ray or Sandy at (318) 873-3855.

#### **CAJUN R/C & RACEWAY #2**

1/10th scale dirt oval track (outdoors). Complete hobby shop, AC power. Races every Saturday at 2:30 p.m. Address is 110 A Darbonne, Sulpher, LA 70663. Call Randy or Sandy at (318) 527-9129.

#### **INDY SPEEDWAY AND HOBBY**

A unique facility that features racing for 1/10, 1/12 and 1/24 scale. In addition to R/C, the track also races slot cars. Racing for R/C is done, outdoors, on a paved oval. The facility features a hobby shop, snack bar and scoring is done with an auto count system. They can be reached at (504) 367-1891. The track is at 3753 General DeGualle Dr., New Orleans, LA 70131.

### **MAINE**

#### **CENTRAL MAINE R/C SPEEDWAY AND HOBBIES**

This facility features two carpeted tracks, an oval and a road course. There's also off-road racing. We have a complete r/c pro shop and race on Fridays and Sundays. This indoor facility also has a snack bar, AC power and an auto count system. The track is located at 18 Lithgow St., Winslow Maine. For information call (207) 877-2232.

### **MARYLAND**

#### **MASON DIXON R/C CAR CLUB**

1/10 Scale: Every Sunday at 1 p.m. Track location at Hagerstown Fairgrounds, Hagerstown, Maryland. Call King's R/C Cars, 219 E. Washington St., Hagerstown, MD 21740, (303) 739-0080.

#### **CENTRAL MARYLAND ELECTRIC RACING CLUB (CMERC)**

##### **Community R/C Speedway**

1/10 Scale: Racing every Saturday dirt oval. Middletown Park, Middletown, Maryland. Contact John Mauchamer, (301) 698-9545. 1/12 Scale: Mark Coats (301) 694-7420.

##### **TEAM R & R, INC.**

1/10 & 1/12 scale indoor oval carpet racing. Every Sunday. for more info (301) 848-2144 or (301) 876-2983. Westminster, MD 21157.

#### **MARYLAND R/C CLUB**

1/10 & 1/12 racing indoor carpet. Toy World R/C, (301) 424-0430.

#### **GPA HOBBIES, INC.**

GPA Speedway races 1/10 off-road and 1/10 and 1/12 indoor road. For schedule information call (301) 805-9004 or write to GPA at 3498 Crain Hwy., (Collington Plaza), Bowie, MD 20715.

#### **THE TRACK/MARYLAND R/C CLUB**

1/10 & 1/12 carpet indoor banked oval and road course. Track at 16806-08 Oakmont Ave., Gaithersburg, MD 20877. (301) 417-9630 or 424-0430.

#### **THE COCKEYSVILLE ASTRODOME**

1/10 & 1/12 scale on-road indoor carpet track. Snack bar, hobby shop and auto count system. Racing Thursdays and Saturdays. C.A.R. Cockeysville Astrodome Racers, Inc., 10854 York Road, (Rear) Cockeysville, MD, (301) 666-1098., (410) 666-2521.

### **MASSACHUSETTS**

#### **BROCKTON INTERNATIONAL SPEEDWAY**

1/10 & 1/12 Oval racing on Mon. 7:30 p.m. 1217 Main St., Brockton, MA. For information call (508) 588-9355.

#### **R/C PERFORMANCE CENTER**

1/10 Scale carpet oval and indoor off-road dirt track. Racing Tues., Thurs., Sat., & Sun. 4 Manley Street, West Bridgewater, MA 02379. Ask for John (508) 588-9666.

#### **HOBBIES ETC. RACEWAY**

1/10 & 1/12 scale: Every Sunday Racing at 1 p.m. Indoor on-road carpet. For more information call (617) 389-3331. Medford High School, Winthrop St., Medford, MA.

#### **NORTH EAST AUTO RACERS (NEAR)**

The club hosts 1/8 gas and 1/10 electric road racing. Track is behind Cobblestone's Restaurant. Races are scheduled May through October. For full schedule contact George at (508) 346-8456.

#### **MEGADROME RAEWAY/BRCCR CLUB**

One of the largest facilities on the East Coast. Racing for 1/10 electric and nitro on, off-road and clay oval tracks. Track is located at North Adams Plaza, Rt. 8 Curran Hwy., North Adams, MA 01247

For race and practice information call Gordon at (413) 663-9593, Richard (413) 445-4777 or Warren (413) 442-2566.

#### **WEST STREET HOBBIES RACEWAY**

1/10, 260 ft. banked carpet oval. Racing Wed. & Sat. at 7 p.m. (508) 533-1231. 114C Main St., Medway MA 02053. NORRCA rules.

#### **R/C HOBBIES AND SPEEDWAY**

Racing for both 1/12 and 1/10 electric cars. Classes include dirt oval and a carpet track, both indoors. Along with the great tracks, the facility includes a hobby shop, snack bar, A/C power, an auto count and there is RV access. The track is at 16 Rio Way, Fairhaven, MA 02719. (508) 991-5040.

### **MICHIGAN**

#### **USA RACEWAYS**

1/10 & 1/12 Scale: Road racing Wed. and Sat. 1/10 oval Friday and Sunday. Stadium 1/10 on Saturday. 6083 Dixie Highway, Bridgeport, MI, (517) 777-7USA.

#### **HARRISON INTERNATIONAL SPEEDWAY**

1/10 Scale: Friday night high banked small oval. Sunday large flat oval. 3519 N. Clare Avenue, Harrison, MI 48625, (517) 539-7959.

#### **GLASS CITY RADIO CONTROL**

Racing 1/10 & 1/12 scale: Clayton White (1/12) (419) 882-2518 or Mike Marshall (1/10) (313) 241-5321.

#### **BAJA BAYOO R/C RACEWAY**

1/10 scale off-road racing May through September. Racing every Sunday at 1:00 p.m. weather permitting. 5313 West 22 Mile Rd., Tustin MI. Track is 8 miles south of Cadillac. (616) 829-3447.

#### **R & L HOBBIES**

At this track you can race 1/10, 1/8 and now even 1/24 scale. The small cars run on an indoor carpet track, but we also have outdoor racing. There are classes for gas, electric, off-road, and dirt oval. This complete racing facility has a hobby shop, snack bar and AC power. You can reach us by phone at (616) 323-3686 or fax at (616) 329-1744. We are located at 9782 Portage Rd., Kalamazoo, MI 49002.

#### **RIDERS SUPER SPEEDWAY**

Racing for 1/10 and 1/12 electric cars. We have an indoor carpet oval course, with a complete hobby shop, snack bar, AC power and score by auto count. Located at 4415 S. Westnedge, Kalamazoo, MI. Call us at (616) 349-2666.

### **MISSISSIPPI**

#### **FASTRACKERS RACEWAY**

1/10 scale off-road racing every weekend. One of the biggest and most challenging off-road tracks in Region 6 ROAR sanctioned. For more information and racing schedule, write - 4909 West Gate Hills Dr., Meridian, MS 39305 - (601) 693-8368.

#### **JACKSON R/C RACING ASSOCIATION**

Car and truck racing Sundays at 10:30 a.m. and Tuesdays at 6:00 p.m. Computerized lap counting, all classes pan stock and modified, gearbos stock and modified, truck, 4 X 4, Dominator class, and 1/12 if enough to run. Track is 2 1/2 miles west of Rt. 9 on Rt. 526. (908) 905-1593.

#### **CROSS ROADS RACEWAY**

1/10th off-road racing every weekend. Dirt banked oval and a road course in the center of the track. Come and race those modified motors on the Big Oval. For more information call (601) 287-7169. Chief Electronics/Radio Shack, Corinth, MS 38834.

### **MISSOURI**

#### **HOBBIES 'N STUFF RACEWAY**

Off-road racing for 1/10 scale electric trucks and buggies every Wednesday, Friday and Sunday. Our 280 foot indoor carpet track is ROAR legal with 8 foot wide lanes and carpet jumps. Computer scoring by Victory Lane II. Hobby parts and food on location. Come see us at: 102 West Pearce Blvd. Wentzville, MO 63385. Phone (314) 327-6006 for more details.

#### **FAST TRAX**

This indoor track races 1/12 and 1/10 electric on-road cars. The track surface is carpet, and the facility includes AC power and an auto-count system. Our phone number is (417) 725-4337. You can also write to us at 206 Water, Nixa MO 65714.

### **NEBRASKA**

#### **OMAHA NEBRASKA RADIO OPERATED AUTO DRIVERS**

1/10 & 1/12 Scale carpet and pavement racing. Oval and road course. (402)

331-2907.

#### **OVER THE WALL GANG**

Schedule: Nov.-Mar. 1/10th oval, 1/10th & 1/12th road course. Apr.-Oct. outdoor off-road and asphalt oval and road for 1/10th and 1/12th cars. On site hobby shop. Located at 401 Market Pl., Norfolk, NE 68701. Phone (402) 379-0879.

#### **HOBBYTOWN USA**

1/10 scale, 1/3 mile high banked dirt oval. Racing Tues. at 7 p.m. and Sun. at 1:30 p.m. May through October. Located in the East Park Mall; 66 & 9 streets, Lincoln, NE 68510. (402) 434-5056.

### **NEVADA**

#### **AMS R/C RACEWAY**

Racing is 1/10th off-road Wed. nights at 7 p.m. & Sun. at 10 a.m. Track has a clay surface. On Sat. 1/10 oval/on-road racing on carpet at 7 p.m. This is an indoor track (110 x 44 clay off-road and 110 x 40 carpet track) and we have a hobby shop and snack bar. We are also only 2 miles away from the casinos and hotels. Open daily from 12-9 p.m., closed Monday. Track is at 1130 Icehouse, Sparks, NV 89431. For more information call (702) 355-8803.

### **NEW HAMPSHIRE**

#### **HOBBIES PLUS & R/C RACEWAY**

Track is at 14 Celina Ave., Hashua, NH 03063. This is New England's largest (350 ft.) and fastest banked carpet oval. Also 26 x 72 flat carpet track dedicated to 1/12 road racing. Pit areas with electricity for over 200. Complete hobby shop, computer scoring. For more information call (603) 882-9200.

#### **ACTION R/C RACEWAY**

1/10 Scale & 1/12 on-road, 1/10 off-road cars and trucks. Indoor carpet high banked oval. Family Fun Hobbies, 201 Washington St., Claremont, NH. (603) 543-1022.

#### **HOBBY ETC. RACEWAY**

Indoor carpet banked oval for 1/10 and 1/12 scale. The 1/12 division also can road race. AMB scoring with a full hobby shop and concessions on the site. Telephone is (603) 595-8549. Rt. 101A, Amherst, NH 03031.

#### **NEW ENGLAND HOBBIES AND R/C RACEWAY**

Racing for both gas and electric cars, in 1/10 and 1/8 scales. This outdoor track features off-road and dirt oval racing every Saturday from May - October. There's an auto count system for scoring, and a hobby shop and snack bar. We are at 49 Eaton Hill Rd., Auburn, NH. Call Larry at (603) 483-8371 or Chuck at (603) 483-2274.

### **NEW JERSEY**

#### **AMERICAN HOBBIES**

1/10: Thurs. Oval; Sun. Off-Road & Oval. Call (201) 446-2010.

#### **PARLOR HOBBIES**

1/10 & 1/12 Scale: Short track stock car racing on road courses. 1/10 on asphalt. Truck class with 1/12 on road, off-road. Rabbit Lane & 34 Broad St., Matawan, NJ, 566-3158.

#### **KIM'S R/C PIT STOP**

I.E.D.A. drag racing - 10 classes including bracket. Racing every Sunday on an outdoor asphalt track. We also have an X-Mas tree, and computer scoring and printout. Call for latest schedule at (201) 942-5955. We are located at 357A Union Blvd. Totowa, NJ.

#### **AL & RICH'S R/C SPEEDWAY**

Indoor carpet road course and 1/10 dragstrip. AMB system 20 and Dragmaster Timing System. Racing Friday, Saturday and Sunday with open practice on Thursday. Track is at 90 N. White Horse Pike, Hammonton, NJ 08037 (located at Texaco Station). For more information call (609) 561-7584.

### **NEW MEXICO**

#### **LAS CRUCES HOBBY RACEWAY**

1/10 scale off-road and oval on a 7,200 square foot track. 1/10 gas truck and electric racing every Sunday. 1996-A S. Valley Dr. Las Cruces, NM 88001. Phone (505) 524-8530

#### **RACER'S INN**

Full hobby shop and concessions. 1/10 off-road every Sat. at 6:00 p.m. on

outdoor 70x120 track. Also 1/4 scale Sprints and Grand Nationals. Oval and dirt oval. Call for schedule. Located at 4300 Rankin LN. N.E., Albuq. NM 87107. Phone (505) 345-5988.

#### **DUKE CITY HOBBIES**

A 66 X 33 hard packed clay track with computer scoring is the attraction here. Classes for 1/10 electric cars and trucks. There's handicap access to the driver's stand, and food and lodging are nearby. In addition, rental cars and truck are available. For more information call (505) 299-3088 - 13140 J Central St., Albuquerque, NM 87123.

### **NEW YORK**

#### **WALT'S HOBBY & CRAFT**

1/10 & 1/12 Scale: Two indoor tracks. 1/10 clay oval, Mon. & Sat; 1/10 Gearbox carpet, Mon.; 1/12 & 1/10 carpet, Tues. Oval and Road Course. Weight Pulling Wednesday. 2 Dwight Park Drive, Syracuse, NY, (315) 453-2291.

#### **REC. R/C RACEWAY**

1/10 Scale Clay Oval. Saturday - Oval; Sunday Off-Road. Call Erin Clancy (914) 868-7715. Route 82 to Standfordville, NY 12581.

#### **ROMAC**

1/10 and 1/12 on large carpet oval. Thursday and Sunday. (Northern Lights Mall) N. Syracuse, NY. For more info call (315) 468-1463 or (315) 468-6544.

#### **SCHENECTADY R/C SPEEDWAY**

1/10 & 1/12 Scale: Indoor oval carpet and Monster Trucks. 955 State St. Schenectady, NY, (518) 3709-3747.

#### **BROWNIE'S HOBBIES**

1/10 Scale: Off-Road Dirt Track. Friday evenings 4WD & 2WD. Track open April - November. 124 Bennett St., Staten Island, NY 10302, (718) 727-2194.

#### **RAPID TRANSIT RACEWAY**

1/10 Scale: Mon, Tues., & Sat. - Practice. Wednesday - Stock & Mod.; Thursday Sprint Car; Friday Sportsman & Open Class. 2104 Broadway, Schenectady, NY 12306, (518) 372-0777.

#### **CAPITOL DISTRICT R/C OUTLAWS**

1/12 Scale 4-cell carpet. Oval and road course. Every Friday at 7:30 p.m. October to April. For further info contact Capitol District R/C Outlaws, 223 Fourth St., Scotia, NY 12302, or Sam (518) 374-3801.

#### **VICTOR R/C ASSOCIATION**

1/10 scale clay oval track & off-road racing. Fridays and Sundays, May through September. 1309 Mertensia Rd., Farmington, NY. For information call Larry at (716) 394-3754.

#### **BEACH HILL SPEEDWAY**

Racing for 1/10 electric off-road and dirt tri-oval. Racing is done outdoors, and the track has RV access. There is also a snack bar and AC power. The speedway is located at 1760 Beach Rd., Watkins Glen, NY 14891. To call them dial (607) 535-2616.

#### **R.C. WORLD HOBBY CENTER**

Road racers who pilot 1/12 cars will find plenty of racing action at this indoor carpet track. Likewise, racers who run off-road can also enjoy this great facility racing in the dirt outdoors. Along with a hobby shop, there is a snack bar, AC power and scoring is done via an auto count system. Call them for their schedule at (718) 326-0002. They are located at 69-57 Juniper Blvd. South, Middle Village, NY 11379.

#### **TRANSIT SPEEDWAY & HOBBIES**

If you like to race 1/10 and 1/8 cars this is the place. At our track we have classes for gas and electric cars and racing for off-road, on-road and paved oval. Depending on the class we will race either outdoors or indoors, on carpet, asphalt or dirt. Our facility also boasts a hobby shop, snack bar, AC power and we have an auto count system. For a schedule please call us at (716) 684-7368. We are at 5319 Transit Rd., Depew, NY 14043.

#### **P.R.O. SPEEDWAY**

Electric racing for 1/10 and 1/12 scale cars can be found at this speedway. Classes for on-road, off-road and dirt oval are available. We race indoors and out, and our facility has a hobby shop, snack bar, AC power and scoring is done via an auto-count system. For the latest racing calendar call (716) 257-3101. Track is at 5 Washington St., Cattaraugus, NY 14719.

#### **EAST END OFF ROADERS**

Racing for 1/10 scale electric cars, trucks and sprints. We feature both a dirt oval and an off-road course. Races every Sunday, with sign ups starting at 9 AM. There is AC power available, a hobby shop on the premises and a snack bar. For accuracy an auto-count system is used. For more information call (516) 298-2020 or stop by Mattituck Hobbies at 7355 Main Rd., Mattituck, NY 11786.

## NORTH CAROLINA

### DIXIE R/C HOBBY SHOP

1/10th Scale: Every weekend Sat. & Sun. The races will alternate between oval and motorcross starting in May. P. O. Box 135, Ramseur, NC 27316, after 6 p.m. (919) 824-2770.

### MID-CAROLINA R/C SUPER SPEEDWAY

1/10 & 1/12 high speed banked quad-oval and road course. Located on Flint Hill Rd., Off I-77/Carowinds exit, So. of Charlotte, NC. Fred Penland, (704) 373-2535 7:30 A.M. to 4:30 P.M.

### ASHEVILLE HOBBY SPEEDWAY

1/10 & 1/12 scale asphalt oval-indoors. Racing Wed. & Sat. 7:30 p.m. Highway 25, Naples, NC 28760, (704) 684-9814 ask for Jack or Sharon Murdock. 1/10 Dirt Oval & Off-Road. Racing Sat. & Sun. 1st & 3rd weekends. 6200 McGregor Dr., Charlotte, NC 28227, (704) 545-0746 ask for Steve Hill.

### RC HOBBY & RACEWAY

1/10 & 1/12 indoor carpet racing Nov.-Mar. Oval and Off-Road dirt racing every Saturday. For more info (919) 228-6809, 1358 S. Church Street, Burlington, NC 27215.

### BOOGLE BAY R/C RACEWAY

600 foot asphalt oval raceway with 30 foot wide straits and 40 foot wide turns. The track races 1/10th, 1/12th and 1/4 scale. Racing set every month in advance every Saturday and Sunday. Rt. 1 Box 324, Linden NC, 28356 - (919) 488-5408.

### C.O.R.R.

We race outdoor electric off-road 1/10 scale cars. The track has a hobby shop, snack bar, AC power, and an auto count. There's even room for RV's! For the latest schedule call (704) 827-7741 or 435-2912. You can write to us at 166 Griffen St., Stanley, NC 28164.

## NORTH DAKOTA

### NORTHERN MINI-RACERS

1/10 Scale on-road, carpet, road racing. Saturdays Sept. through May. P. O. Box 415, Minot, North Dakota. For information call Pat (701) 839-8868 or (701) 852-6254. Roger (701) 839-4731 or (701) 839-5294.

### KOUNTRY KLIN HOBBY

1/12 Scale small indoor carpet track & hobby store. Box 247, 324 Railroad Ave., N. Mohall, ND 58761, (701) 756-6307.

### RED RIVER RADION CONTROL CAR CLUB (RRRCCC)

This operation is actually two tracks located in the Fargo and Moorhead area. The first is a carpet oval track in the Holiday Mall (I-94 and 8th St., S. Moorhead, MN 56560). The second facility is in Johnson Park (I-75 and 12th Ave. N., in Moorhead MN). This track is for off-road. The club sponsor is Valley Hobbies in Fargo. For more information please call (800) 493-9971.

## OHIO

### TARCAR-TOLEDO AREA

1/8 gas stock cars. Black clay tri-oval. Sundays late April thru Mid-October. For more info call Dave Scanes, (419) 893-1916.

### 1/8 RACERS OF TOLEDO

1/8 & 1/10 scale asphalt road course. Every other Sunday from Mid-April to Mid-October at the Woodville Mall rear lot. For schedule and info contact Brent Gottfried (419) 843-3231.

### THE RACER'S CHOICE - RADIO CONTROL HOBBIES

Located at 1298 U.S. Rt. 42, Mason OH 45040. Large outdoor off-road track, over 400' long with 100' straight, elevation changes, jumps, moguls and banks. Lighted with large driver's stand. Also banked 40' - 100' oval. Organized racing weekly. Fully stocked shop, for details and schedule call Holly, Tony or Adrian at (513) 398-5539. Track located just north of Cincinnati, near Kings Island.

### CORCAR - COLUMBUS, OH

Outdoor 10th scale off-road racing May through September and indoor off-road racing October through April. Contact Bill McCall at (614) 895-2732. The track is at Franklin County Fairgrounds.

### ALTERNATIVE RACING ASSOCIATION

1/10 and 1/12 on-road. Two large tracks indoors and outdoors. 2600 17th SE, Canton, OH 47306 (216) 484-2587.

### INNOVATIVE HOBBIES & LAKES SPEEDWAY

Large indoor multi-layout carpet track and outdoor oval. Racing Wed., Sat.,

Sun. 3425 Manchester Rd., Akron, OH 44319, (216) 645-1333.

### AEROTECH RACEWAY

1/10 oval/tri-oval and off-road dirt. 409 Applegrove Rd. North Canton, OH. Call Ron at (216) 499-1300.

### MODELER'S HAVEN RACEWAY

1/10 clay oval May thru October. Electricity, water, indoor restrooms and shaded pit area. Contact Bob at (216) 499-6000. 4255 Portage N.W. North Canton, OH 44720.

### MID OHIO R/C RACEWAY

We race 1/10 off-road and dirt oval all indoors. There is a 300 foot oval track with the off-road track built inside of that. In addition to that, we have scale 1/4 mile slot car drag races. Call Bob at (513) 233-2807 for more information. Track is in Huber Heights, Ohio.

### D & S HOBBIES AND RACEWAY

Racing 1/10 & 1/12 4-cell. Race days are Wed., Fri. and Sun. Closed Mondays. D & S Hobbies, 7701 Crile Rd. #3, Concord, OH 44077.

### HOBBY MANIA

This complete facility has racing for 1/12, 1/10 and 1/8 cars. Gas and electric classes can race on-road, off-road and on a stadium carpet track. We have a complete hobby shop, snack bar, AC power and there's RV access. Scoring is done via an auto-count system. We are located at 6597 State Rte. 224, Lowellville, OH 44436. Phone us at (216) 536-8282.

### LEWISBURG R/C RACEWAY

One of the largest indoor R/C facilities in the U.S. at 18,000 square feet. We have a 200' smooth clay banked oval track and are currently constructing a 90 X 45 banked concrete oval track. For more information call us at (513) 678-9201. Track is at 395 Route 40 West, Lewisburg, OH 45338.

### D & J R/C RACEWAY

Racing for 1/10 electric cars on an outdoor dirt oval. The facility features a hobby shop, snack bar and there is AC power. For the latest racing schedule call (216) 682-4266, or write to them at: 801 W. Market St., Orrville, OH 44667.

### NORCAR

Racing for 1/12, 1/10 and 1/8 cars in both gas and electric models. There are several different classes, and there are both indoor and outdoor tracks. The track is at 3668 Chelsea Dr., Brunswick, OH 44212.

## OKLAHOMA

### R.C.A.R. OF TULSA

Racing for 1/10 scale indoor on-road racing. The track is carpet, and there is AC power. Track is at 12215 East Skelly, in Tulsa, OK 74128. For more info call (918) 663-8998.

### RCRC OF OKLAHOMA

1/10th scale indoor dirt oval and dirt off-road. Racing on this large track is at 7 p.m. Tuesdays and 5 p.m. Saturdays. Complete hobby shop with plenty of pit space and AC power. 400 S. Vermont, #104, Oklahoma, OK 73108. Call (405) 947-RACE ask for Steve or Rick.

## OREGON

### R/C SPEED CENTER R/C ADDICTION

1/10 & 1/12 scale, banked dirt oval racing, dirt off-road racing, sled pulls, mudbog. 2810 N. Pacific Hwy., Medford, OR 97501, Call Gene or Betty Skelton, (503) 779-8298.

### CATHIE'S R.C. WORLD

This track has racing for 1/10 scale electric cars on an indoor off-road track. The facility also features a hobby shop, snack bar, A/C power and scoring is done via an auto count system. The track is at 443 S. Calapoola, Sutherlin, OR 97479. For the latest schedule call (503) 459-2746.

## PENNSYLVANIA

### CARCLUB-COCHRANTON AREA

Racing every Fri. at 6; Sat. 9 a.m.; Sun. at noon. Indoor carpet-dirt outdoor. Contact Harry, 120 W. Adams St., Cochranton, PA 16314. (814) 524-7788.

### CEB MOTORS R/C DIVISION

This indoor facility races 1/12 and 1/10 electric cars. Racing is for both oval and road course designed cars. The track features a hobby shop, snack bar, AC

power, auto score and the parking lot can handle RV's. Call us at (717) 375-4635, or stop by at 5743 Molly Pitcher Hwy., Marion,

**C.A.R. CLUB**

Racing every Sunday. Tamarack Raceways, Contact Harry Turner, 120 W. Adams St., Cochranton, PA 16314, (814) 524-7788.

**WAGONHILL HOBBIES**

Indoor 1/10 & 1/12 road racing every Fri. night. Off-road every Sat. night. 225 S. Board St., Grove City, PA (412) 458-4711.

**TC'S R/C'S**

Inside and outside race track and RC Shop. 1537 Freeport Rd., Natrona Heights, PA 15065, Call 226-8802.

**PHILLY RADIO CONTROLLED RACERS R/C CAR CLUB**

1/10 on-road paved track. Sundays, April thru November 11 a.m. 7790 Dungan Rd., N.E. Philadelphia. Jon (215) 224-4822 or Bernie (215) 831-1835.

**EAST ST. RACEWAY AND ART CENTER**

Over 4,000 Sq. foot carpet track. Computerized lap counting. Racing starts at 7 p.m. each night. Friday oval racing; Saturday stadium off-road. Located at 747 E. Railroad Ave., Verona, PA 15147 - (412) 826-0602.

**MUSHROOM BOWL SPEEDWAY**

This outdoor 305' paved banked tri-oval features organized 1/10 and 1/12 car and truck racing on Thursdays and Saturdays at 7:00 PM, June through October. On-site hobby shop, indoor pits with AC power and scoring is computerized. For information or directions call (610) 444-1850. We are at 812 West Cypress Avenue, Kennett Square, PA 19348.

**SOUTH CAROLINA**

**BNS COMPETITION HOBBIES**

Contact Bob Sanford, (803) 224-8591. Route 7, Box 380, Anderson, SC 29624. Racing and open practice Wed. 6:30 p.m. Every Saturday 1 p.m. 1/10 Dirt Oval.

**RACER'S CHOICE**

On-road racing for 1/10 and 1/12 scale is at this track. Racing is done indoors, on carpet. The facility has a hobby shop, snack bar, AC power and auto count system for scoring. There is also RTV Access. The track is located at 4020 Fernandina Rd., Columbia, CS 29210. For a schedule of races call (803) 561-0000.

**BEREA R/C SPEEDWAY**

Fri. Nights 1/10 conc., banked oval; Sat. nights stadium off-road for trucks and

buggies; Sunday unlimited oval; 707 Sulpher Springs Rd., Greenville, SC 29610. (803) 246-4702.

**TENNESSEE**

**RIVERGATE HOBBY CENTER**

Both on and off-road cars, racing in 1/10 and 1/12 classes will be found here. This indoor facility features a hobby shop, A/C power and scoring is done via and auto count. The track is located at 707-E Two Mile Pkwy., Goodlettsville, TN 37072. Phone us at (615) 859-3455.

**MSA R/C RACING**

Racing for 1/10 and 1/8 cars, in both gas and electric versions. At this track a racer can find competition for on-road, off-road, dirt oval and paved oval. There's tracks both indoors and out, and the facility features a hobby shop, snack bar, AC power and scoring is done with an auto count system. Call them for the latest racing schedule at (615) 456-0027. They're located at Rt. 12 Box 489B, Crossville, TN 38555.

**TEXAS**

**HAL'S R/C RACEWAY**

Sat. is on-road asphalt 1/10. Sun. is off-road. Registration both days is at 11:00 a.m. 1440 Bessemer, El Paso, TX 79936 (915) 591-2213.

**RIVER CITY RACEWAY**

On Quincy Road, Wichita Falls, TX. Every 2nd & 4th Sundays at Noon. Call (817) 691-1478.

**ARROW HOBBIES**

Wed. - 1/10; Every other Friday 1/8 Sprint cars only; Saturdays 1/10 dirt oval. 2710 So. 1-35 West, Burleson, TX, (817) 295-2821.

**VICTORIA HOBBY SHOP**

Every Sat. Off-Road; Every Sunday - Ovals. 5211 John Stockbauer, Victoria, TX 77904, (512) 575-3270.

**COASTAL BEND SANDBLASTERS R/C CAR CLUB**

Races first thru third Sundays, 2 p.m. start. Bill Witt Park, Yorktown Road, Corpus Christi, TX. Call Pete (512) 992-4448.

**AMERICAN ANGLER TACKLE & R/C**

**HOBBY CENTER'S "AA" RACEWAY**

Two dirt tracks, oval & off-road. Races every Sunday, 1 p.m. Tracks alternated. Races every Saturday 11 a.m. oval. Hobby shop on site. 1617 Toomey Rd., Austin, TX 78704, (512) 474-8277.

# Attention Race Facilities!

*Advertise your club or track in Competition Plus free of charge! Simply mail in or fax the vitals of your track and we'll publish it in the next available issue. Use the handy form below.*

TRACK/CLUB NAME \_\_\_\_\_

ADDRESS \_\_\_\_\_

CITY \_\_\_\_\_

STATE \_\_\_\_\_ ZIP \_\_\_\_\_ PHONE ( ) \_\_\_\_\_

*Note: Use this form to also notify us of tracks that may have closed in your area that we may not know about yet.*

(circle all that are applicable)

- |          |            |            |
|----------|------------|------------|
| 1/12     | OFF-ROAD   | ASPHALT    |
| 1/10     | DIRT OVAL  | DIRT       |
| 1/8      | PAVED OVAL | HOBBY SHOP |
| 1/4      | DRAG       | SNACK BAR  |
| GAS      | INDOOR     | AC POWER   |
| ELECTRIC | OUTDOOR    | AUTO COUNT |
| ON-ROAD  | CARPET     | RV ACCESS  |

## WESTSIDE HOBBIES

1/10 Racing every Sat. 1/10 on-road racing every Sun. on asphalt. Alternating oval and road course. 7214-A N. Mesa, El Paso, TX 79912. Call Tom, Mark or Tim at (915) 585-1864.

## FINISH LINE HOBBY & RACEWAY

1/10 scale indoor off-road every Fri. and Sat. 8:00 p.m. 1/12 indoor carpet every Tue. 7:00 p.m. 11925 Jones Maltsberger, San Antonio, TX 78216. Call (512) 491-0088 for more information.

## T & T EAGLE HOBBY

Headquarters for the "Killer Dillers" R/C Club, racing is on the first and third Sunday in front of the store. The first Sunday is road course and the third is oval. Emphasis is on fun racing. Trophies for novice class only, entry \$5.

## HURRICANE SPEEDWAY

Racing Wed., Fri., Sat., Sun., alternating off-road and oval. Track is at 9600B Old Katy Rd., Houston, TX 77055. (713) 464-8020.

## RC STARS RACEWAY

Racing for 1/10 gas and electric cars on their outdoor, dirt off-road track. They also have a hobby shop and for food there is a Pizza Hut right there. To ensure accurate scoring they use an auto count system. The track also allows free use of the track to all. Track is at Hwy. 100 in Port Isabel, TX 78597. Phone them at (210) 943-7546.

## RIVERCITY SPEEDWAY

Both gas and electric 1/12 and 1/10 cars can race at this track. The off-road and paved oval tracks are located outdoors, and there is A/C power. The track is located at 11731 Wetmore Rd., San Antonio, TX 78247. For the latest racing information call (210) 341-5625.

## UTAH

### I.R.C.D.R.A./HOBBY EXPRESS

Race indoor off-road every Saturday at 6 p.m. 3150 Brinker, Ogden, UT info call Hobby Express (801) 621-4013.

### WASATCH OFF-ROAD RACEWAY

Operated by IRCRA. Races are indoor on an off-road and oval raceway. Races every Saturday at 6:00 p.m. Track at 3170 Brinker Ave., Ogden, UT 84401. Phone is (801) 773-0933.

### HANSEN'S INTERMOUNTAIN R/C RACEWAYS

Electric 1/12 and 1/10 cars can race at this complete facility. There are both indoor and outdoor tracks, and there are classes for paved oval, off-road and on road. This track also features a hobby shop, snack bar, A/C power, an auto count and there is RV access. For the latest racing schedule call (801) 250-8303. The track is at 8481 W. 2700 South, Magna, UT 84044

## VERMONT

### MIKES HOBBIES & RACEWAY

Indoor banked 1/10 carpeted oval, on-road racing. Six classes every Wed. at 7:00 p.m. and Sun. at 1:00 p.m. Track at 162 N. Main St., Rutland, VT 05701 - (802) 775-0059. Ask for Lee or Chuck.

## VIRGINIA

### F/X CITY RACEWAY

Every Saturday 1 p.m. The Frame Gallery, 13340 F Franklyn Farm Road, Herndon, VA 22071. For info call Eric (703) 471-4499.

### WINNERS CIRCLE HOBBY SHOP & RACEWAY

Racing every Saturday night at 6 p.m. Large oval carpet. 3236 W. Clay St., Richmond, VA 23230 (804) 355-7076.

### COOPER'S RC RACE CENTER

Racing indoor every Saturday night. Racing every Sunday 2 p.m. oval and off-road - June through October. Contact Norris (804) 724-4182. Rt. 4, Box 122B, Chatham, VA 24531.

### FAIRSTONE R/C SPEEDWAY

Dirt 1/10 scale 1/4 mile oval & figure eight racing every Thur. and Sat. eves. through Halloween. Hobby shop, concession stand. Rt. 4 Box 918, State Rd.

635, Stuart, VA 24171. Phone (703) 930-3984.

### HOBBY HANGAR SPEEDWAY

Those coming to this track can race 1/12 and 1/10 cars in both gas and electric powered versions. There's racing on carpet and dirt, for road and off-road racing. The facility boasts a hobby shop, snack bar, AC power and uses an auto count scoring system. Hobby hanger is at 4433A Brookfield Corp. Dr., Chantilly, VA 22021. Call (703) 631-8820.

## WASHINGTON

### SPOKANE INDOOR RACEWAY

A 10,000 sq. ft. facility with carpeted on-road track & indoor dirt off-road. Large indoor pit area, computer scoring (AMB), full parts shop. Located at E. 6422 2nd Ave., Spokane, WA 99212. (509) 534-RACE.

## WEST VIRGINIA

### WEST VIRGINIA REMOTE CONTROL RACEWAY

Racing every Sunday. Doors open at 12 noon, racing starts at 1 p.m. The track size is a 90 X 50 foot carpet oval. Prizes in all "A" mains. Track is at 601 Jefferson Rd., South Charleston, WV 25309. Call Russell Pauley (304) 346-7223 after 6 p.m.

### R/C RACE PLACE

Racing on-road every Wed. night at 7:00 p.m. and carpet oval every Fri. night at 7:00 p.m. during the winter months. Racing outside for dirt oval every Wed. Fri. nights on lighted 260 foot track during the summer months. Full hobby shop. Contact Mike or Dennis at (304) 292-0811.

### WEST VIRGINIA R/C CAR ASSOCIATION

This off-road outdoor track has racing for 1/10 and 1/8 gas and electric cars. There is A/C power, and you should call for the schedule at (304) 842-2742. They are located at 142 West Main St., Bridgeport, WV 26330.

## WISCONSIN

### MADISON AREA R/C CAR ASSOCIATION, INC.

Dirt Oval on Sun. Carpet road racing on Sat. Carpet oval on 1st and 3rd Fri. Track is at 1810 S. Park St., Madison, WI. Call 273-0519 or 837-2033

### J. G. S.

Wisconsin's finest off-road race track. Groomed 100 ft. straightaway, computer scoring, driver's stand, starting lights. Racing every other Sunday 1 p.m. Menomonee Falls, WI (414) 255-2040.

### SIN'S TRACKSIDE HOBBIES & RACEWAY

Racing for 1/12 and 1/10 gas and electric cars in many scales including on road, off-road and oval, both indoors and out. There is also a hobby shop, snack bar, AC power, RV access and scoring is done with an auto-count system. Track is at 6045 N. Green Bay Ave., Glendale, WI 53209. Phone for the latest schedule at (414) 351-1910.

### ABC R/C

Clay track racing every Sat. 1 p.m. Truck pulls every Tuesday 6:30 p.m. 1441 B E. Main Street, Waukesha, WI 53186, (414) 542-1245.

### ALL IN 1 RACEWAY

5612 S. 108th St., Hales Corners, WI. 1/10 scale indoor dirt track. High speed semi-oval and true off-road courses. Racing Wednesday nights at 6 p.m. Sat. & Sun. at 1 p.m. For more info call (414) 425-4060.

### GARY'S HOBBY SHOP

Indoor banked concrete oval racing Tue. nights. Figure "8" Sun. afternoon. On site hobby shop with AC & DC power. For latest information call (414) 554-8884 or (414)554-8636. Address is 3701 Durand Ave., Elmwood Plaza, Racine, WI 53405.

### BAYLAND HOBBIES

Racing for cars in the 1/12, 1/10 and 1/8 scales. This complete facility features courses both indoors and out, and features a hobby shop, snack bar, A/C power, auto count and there is RV access. The track is located at 951D Ashwaubenon St., Green Bay WI, 54304. For the latest schedule call (414) 339-8288.

# For The Racer

## DRAGWORKS SAMARIUM COBALT MAGNETS

The fastest and lightest drag race modified motors are here and they are from Trinity. All new can design and true Samarium Cobalt magnets allow a thinner magnet and smaller diameter can. Standard Trinity armatures can be run in this motor setup so you can use all your old armatures. More torque and top speed out of a smaller lighter package. Excellent in multiple cell rail classes, where standard .05 motors start having a problem.

Part Numbers & Prices:

RC1003 6 Turn Dragworks Motor \$275.00

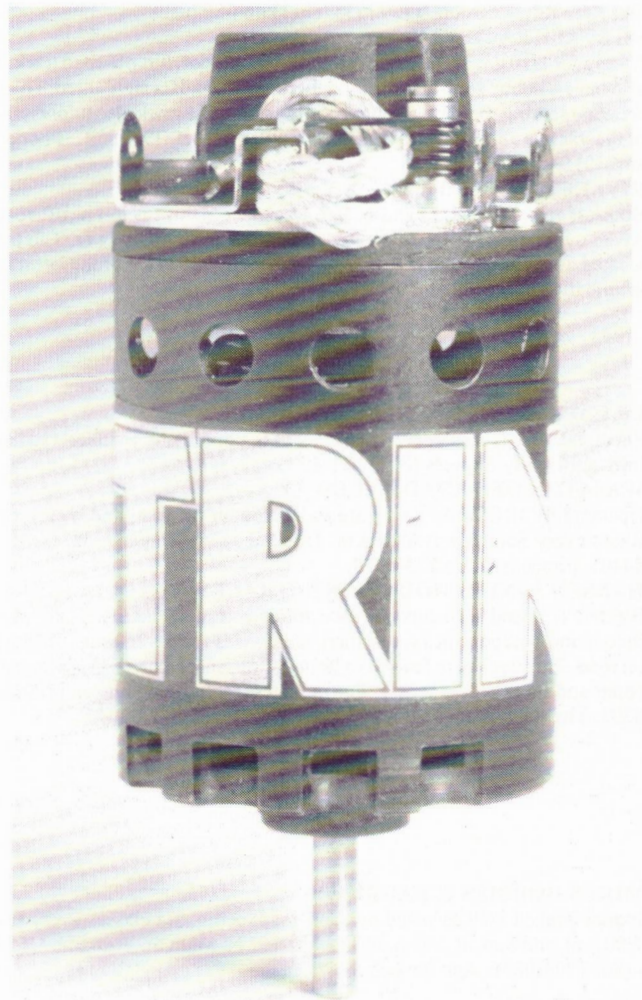
RC1004 7 Turn Dragworks Motor \$275.00

RC1005 8 Turn Dragworks Motor \$275.00

RC1006 9 Turn Dragworks Motor \$275.00

RC1007 Motor Setup only \$225.00

Trinity Products, 1901 E. Linden Ave. #8, Linden, NJ  
07036 (908) 862-1705 Fax (908) 862-6875

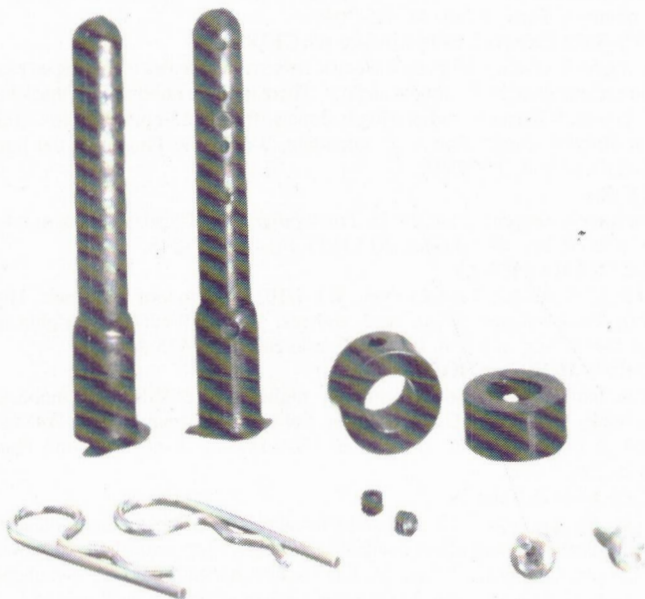


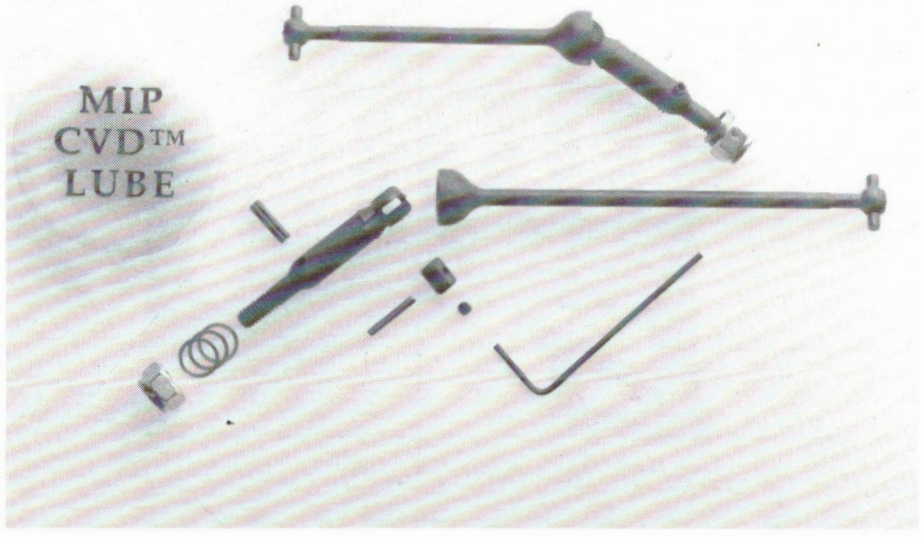
## NYLON BODY POSTS

New strong, lightweight, adjustable black body posts. Parma offers a wide variety of sizes of these babies to fit almost any car. Includes adjustable collar and body clips.

Retail Price:

\$2.50 to \$4.00 - Parma International, 13927  
Progress Parkway, North Royalton, OH 44133.





**MIP CVD'S**

World winning MIP CVD's (Constant Velocity Drives) are the only completely rebuildable drives that have been proven in National and World competition. Factory Team drivers use MIP CVD's to put them in the winner's circle, and you can too! Available for Associated, Losi, Traxxas cars and trucks. Prices start at \$27.50 a set.

MIP, 746 E. Edna Place, Covina, CA 91723 (818) 339-9007 Fax (818) 966-2901

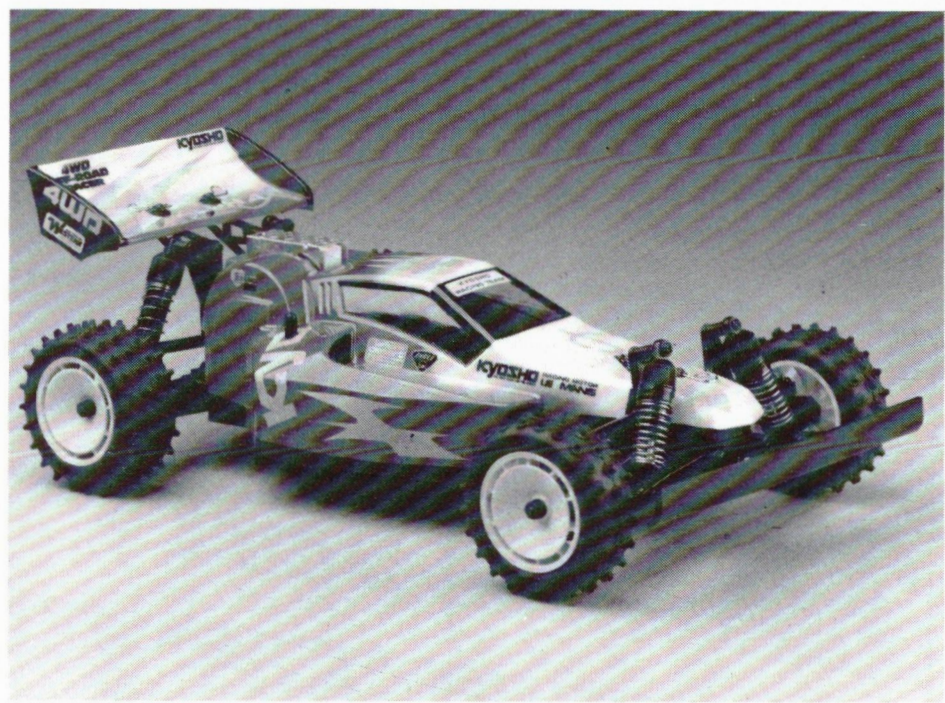
**KYOSHO LAZER ALPHA**

A sport version of the ZX-R, Kyosho's "ultimate" 1/10 scale 4WD electric competition buggy, the Lazer Alpha is easier for average modelers to build and afford, while providing lots of upgrade potential for high performance.

Included is an exceptionally reliable front/rear belt drive and long-travel suspension similar to the competition-ready Lazer ZX-R. The Lazer Alpha also comes equipped with a LeMans Stock 05 motor, heavy-duty rotary speed control, oil shocks, body and 2.2" racing wheels and tires.

A rigid, lightweight Kelron chassis keeps "going-in" costs low without sacrificing strength or performance. A variety of hop-up parts are available.

Stock number: KYOC0104  
 Suggested Retail Price: \$169.99  
 Great Planes Model Distributors,  
 2904 Research Rd., Champaign, IL  
 61826-9021 (217) 398-3630 Fax  
 (217) 398-0008



## SS 12 CHASSIS

Team Cobra releases a 1/12th scale super speedway car and/or chassis with all 6 cells mounted on the left hand side. It also features a long wheel base for added stability. The chassis is made from pro graphite (aircraft quality) and fits all Cobra and Associated 1/12th cars.

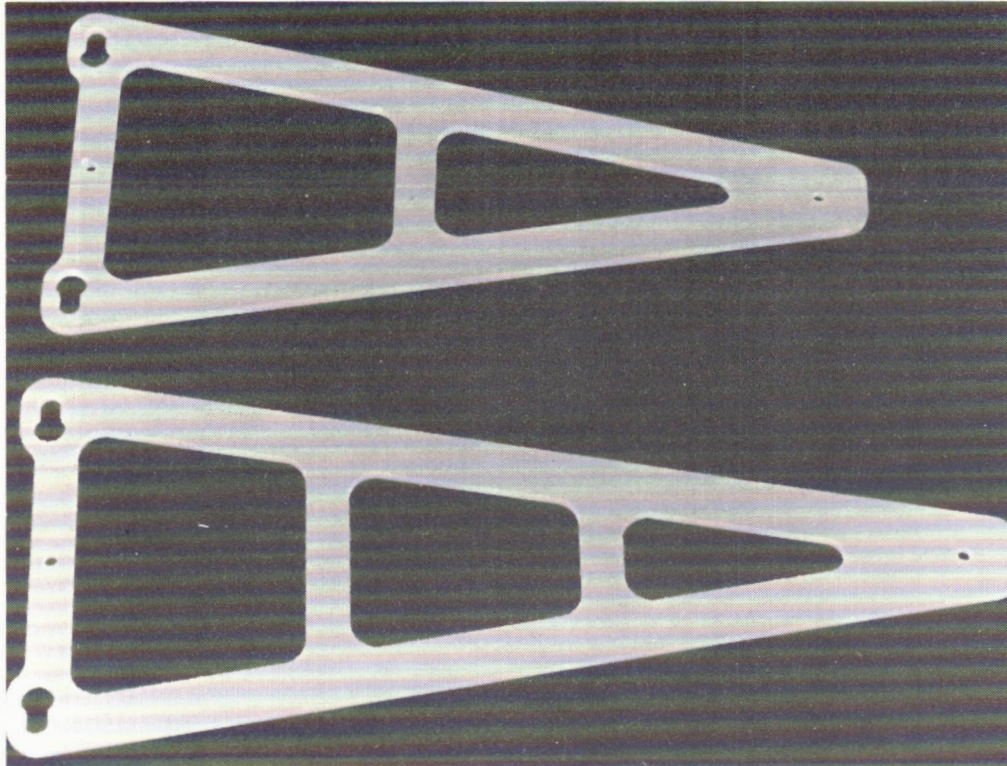
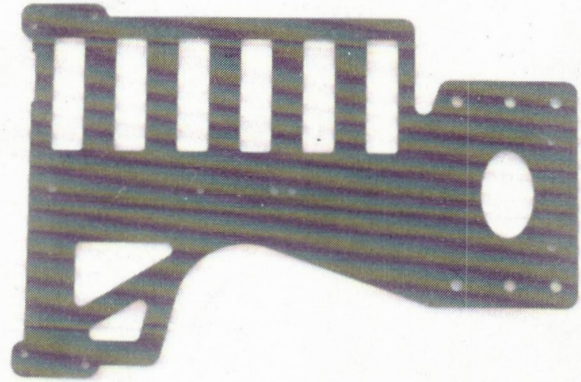
Product Numbers and Retail Prices:

7102L Kit Complete \$229.95

7069L Chassis Only \$64.95

7060B Rear Brace \$6.95

C & M Mfg., P.O. Box 701-353,  
West Valley City, UT 84170 (801)  
974-5757 Fax (801) 974-0869



## BATTERY HOLD-DOWN STRAPS

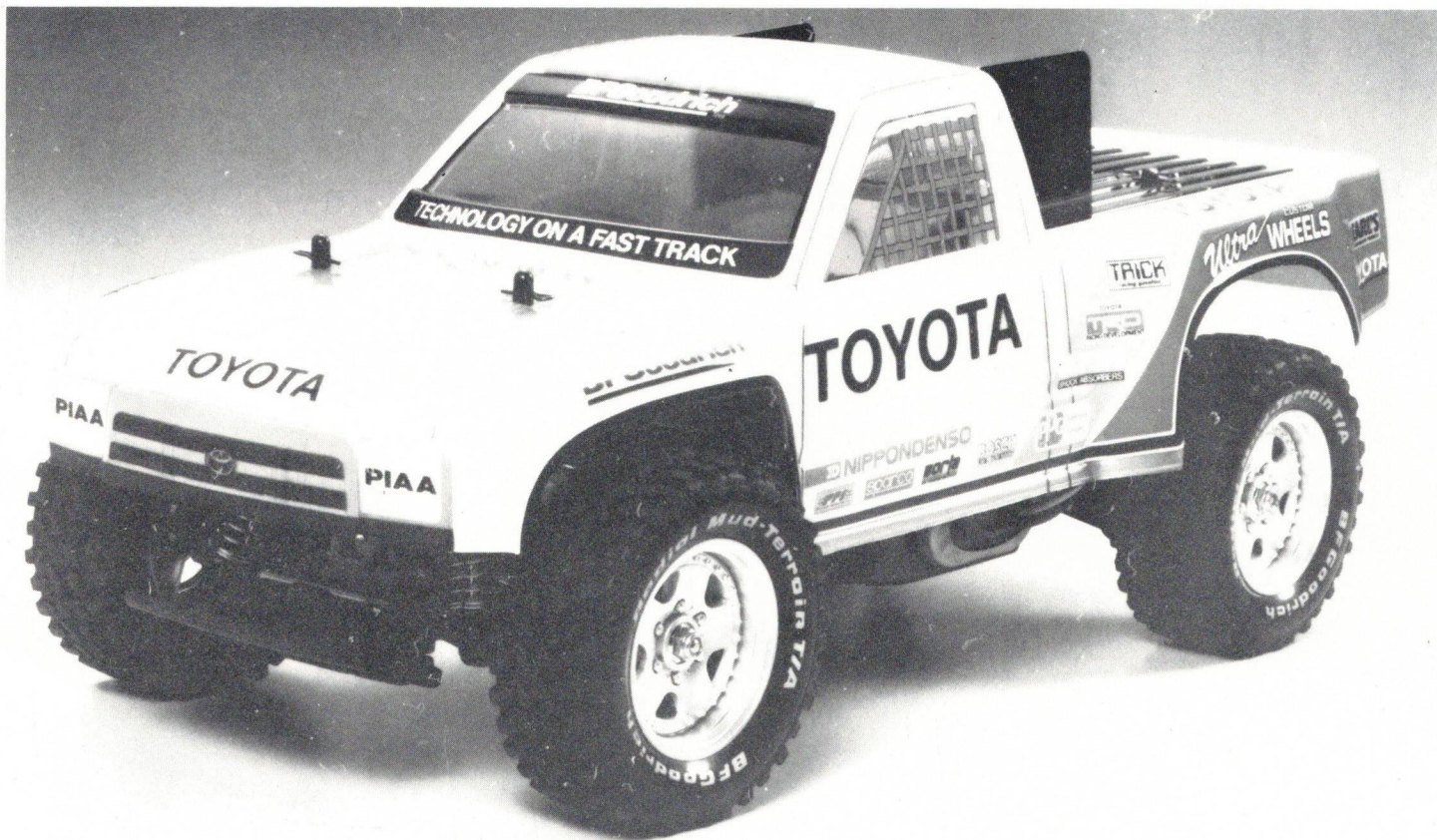
If your battery pack tends to pop out of its battery cup, then these hold-down straps are for you! They will securely hold packs that may pop out during the flex and bump of the chassis. Great for packs that have no wrapping and cells that are somewhat loose. Used for packs running down the length of the car or truck. Squeeze off action for quick pack changes.

Part Numbers and Retail Prices:

RC10 6-cell hold-down #6339  
\$7.00

RC10T 7-cell hold-down #7325  
\$7.00

Associated Electrics, 3585  
Cadillac Ave., Costa Mesa, CA  
92626 (714) 850-9342 Fax (714)  
850-1744



### TAMIYA INTRODUCES NEW R/C CATEGORY: THE 4WD OFF-ROAD RACING TRUCK

Combining high performance with scale realism, it's patterned after Toyota's racing trucks, which have led their team to nine stadium truck championships and victories on the grueling Baja 500.

Like actual off-road endurance trucks, the Prerunner has shaft-driven, full-time, four wheel drive mechanics that are capable of transmitting tremendous power on all types of driving surfaces.

A true 4x4 RC in both construction and design, the Prerunner is built around the evolutionary TA02-type chassis, which is also found on Tamiya's awesome 4WD touring and rally cars. The race-proven, bathtub-type chassis is made of impact resistant, injection molded ABS resin and is loaded with the latest engineering advancements.

The truck comes fully equipped with a 540-type electric motor, three-speed mechanical speed control and sealed gear boxes with easy-access hatches for quick gear changing and maintenance. The front gear box houses a rotary planetary gear diff, while the rear one contains an adjustable ball differential.

The Prerunner has sophisticated, independent, double wishbone suspension, front and rear, and large capac-

ity, coil-over, oil-filled shocks at all four corners. The shocks come complete with assorted pistons and ride height spacers.

The highly detailed, true-to-scale body is made of durable, lightweight, vacuum-formed polycarbonate with a protective outer finish. The kit-supplied stickers are self-adhesive and easy to apply. They recreate the familiar red, orange and yellow racing color of the Toyota racing trucks, which run in desert off-road courses and stadium circuits.

With its high ground clearance and exceptional durability, the Prerunner delivers off-road action that is absolutely unsurpassed. There are plenty of hop-ups, which are available separately, that add to the fun as well, including a universal shaft set, hard joint cup set, 4WD bushing and ball connector set and short-type hard propelled shaft.

At 1:10 scale, the Prerunner measures 16.1 inches long, 7.5 inches wide and 6.5 inches high. It has a wheelbase of 10.2 inches and weighs 3.5 pounds, ready to run.

Tamiya America, Inc., 2 Orion, Aliso Viejo, CA 92656-4200 (714) 362-2240



# NOBODY KNOWS GAS

A lot of people would like you to think they created the whole concept of RC gas racing.

But with over 25 years of experience racing RC gas cars and winning two IFMAR Gas World Championships, Team Associated knows gas racing. That's why the

Team built the RC10GT.

Our RC10GT is the real thing, designed and engineered by the same racers that brought you the original RC10 and the RC10T.

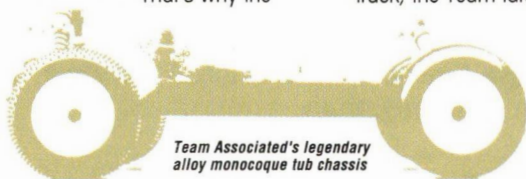
While it might be enough for some to simply drop an engine and a fuel tank into an electric truck, the Team takes this kind of



IFMAR World Champion factory drivers Brian Kinwald and Cliff Lett teamed with Curtis Husting in designing, track testing and racing our RC10GT prototypes.

The most advanced, high performance vehicle of its kind, the RC10GT features competition proven, four wheel suspension with precision, coil-over shock dampening. Our World Famous Team Associated Stealth ATC gearbox is also adapted to the RC10GT, to get all that nitro power to the ground and our race-ready disc brake gets it all slowed down in a hurry. And like all our kits, hardware and materials are nothing but the best. And because Team Associated understands RC racers, and their

powertrain transfusion seriously. The RC10GT is a completely integrated package created to take maximum advantage of gas power yet versatile enough to accommodate all popular .12 and .15 size engines.



Team Associated's legendary alloy monocoque tub chassis

The RC10GT is based on our Championship RC10T Team Truck.



# RACING LIKE THE TEAM.

budgets, the RC10GT is available with either bushings or ball bearings and for both pull and non-pull start engines.

Enjoy the sound and power that makes gas RC racing come alive. The RC10GT is the ONLY RC gas truck with Team Associated's proven performance and reliability. Because no one knows RC gas racing like the Team.

*Wide track, long throw suspension, molded from dyeable virgin nylon*

*All terrain tires developed by Pro-Line specifically for the RC10GT*



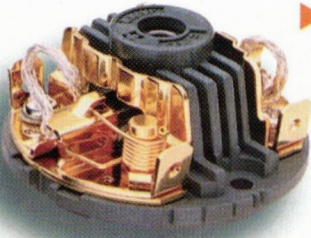
# RC10GT

The RC10GT is available in several Sport and Competition versions for most .12 or .15 engines. We highly recommend the .12 size for scale performance and reliability.

Associated Electrics 3585 Cadillac Avenue, Costa Mesa, CA 92626

# "The Fastest Motor I've Ever Run!"

— Brian Kinwald  
Current I.F.M.A.R.  
World Champion



▶ The new "UniFlow"™ endbell, runs cooler and weighs less. The Kinwald ExTech motors feature high performance "Serrated Face"™ motor brushes. Enhanced cooling for the brushes is provided by the sculptured "UniFlow" heatsinks that also carry the index holes for the brush hood alignment pins. These pins provide solid alignment regardless of use or abuse. The hardware removes easily and quickly for switching to a "LayDown"™ brush system.



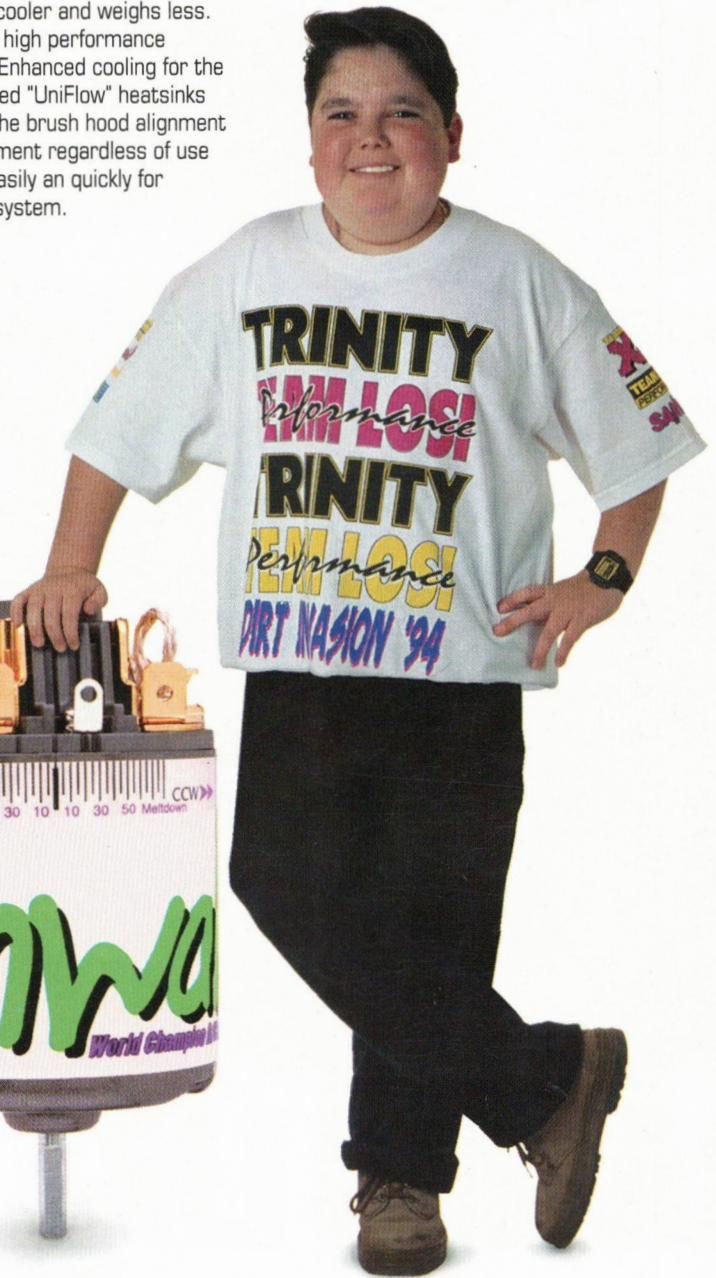
▶ All ExTech motors incorporate Trinity's Armature Balance Concentrator™, high temperature copper wire and special polyester insulation to maximize performance and motor life. The Kinwald series is available in 5 popular offroad winds:

- TK1011 - 11 Turn Triple
- TK1012 - 12 Turn Double
- TK1013 - 13 Turn Single
- TK1014 - 14 Turn Double
- TK1015 - 15 Turn Triple



▶ The new Kinwald ExTech motor features a 1.3 mm thick, (ROAR legal) can that seriously intensifies the motor's magnetic field. Top-of-the-line v5.1 wet magnets provide maximum magnetic strength and life. Motor cooling is maximized by "air tunnels"

that draw hot air out of the motor. This method of venting preserves the magnetic field integrity, increases motor life and delivers superior performance.



Brian Kinwald became the I.F.M.A.R. Offroad World Champion through determination, talent and a lot of hard work. His total dedication to RC Racing took him to the top of the offroad world. It took Trinity to build a motor good enough to be called Kinwald.

"This is the ONLY motor officially authorized to use my name. Beware of imitations!"

*Brian Kinwald*

# TRINITY®