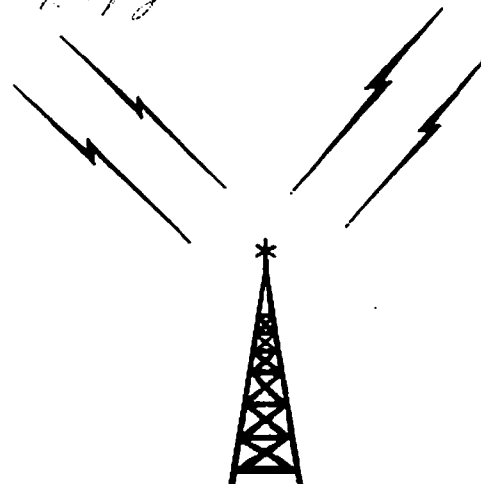




**M**OTORCYCLING  
**A**MATEUR  
**R**ADIO  
**C**LUB

*Pays Ranch Copy 6-3-95*



**BOARD:**

RAY DAVIS                      KD6FHN  
BILLY HALL                    N6EDY  
DEWITT MORGAN                KM6UK

MEMBER-AT-LARGE:  
DANNY VELDERRAIN            JD6FLP

JUNE/JULY 1995

TECH COORDINATOR:  
KN6P            CARROLL WALKER

PRESIDENT:                    KD6FHN    RAY DAVIS  
VICE PRESIDENT:               KJ7LI    TERRY LEWIS  
SEC/TREASURER:                KD6OFQ    BONNIE DAVIS  
NEWSLETTER:                    RAY/BONNIE DAVIS  
50/50:                        KD6SBZ    PAT LEWIS  
HF NET CONTROL:               KC6NDC    STEVE YOUNG

PACKET COORDINATOR:  
KC6ZHG    DAVE HOFFMAN  
@ WF60.#SOCA.CA.USA.NA

MARC RIDE CALENDAR:  
KD6LAA    PAUL BLUMSTEIN

DISASTER SERVICE COORDINATOR: KM6UK DEWITT MORGAN

\*\*\*\*\*  
**FROM THE DESK OF THE PRESIDENT:**

When its time to do the newsletter, it's best for me to sit down and list all the subjects to be covered. This time, there were 37 topics that at least one person might be interested in reading about.

The April and May breakfast meetings proved once again that the MARC membership is still growing. We have moved our MARC breakfast meetings three in the past year. The April meeting filled the room to capacity and the May Anniversary meeting burst its seams. Denny's had to open the sliding partition wall and let us take up part of the main restaurant. We'll see what happens during the summer vacation months and make a move again when and if it is justified. We do have another place lined up if we need it. The problem is the price for breakfast would be higher.

The May 13th MARC's third anniversary breakfast meeting was spectacular. Many door prizes were available, there was a good sized 50/50 and a grand prize, "along with a large anniversary cake to share for our special occasion." The professional photographer was there and brought some really excellent equipment to do the job. It worked out so much better having Allen do the photography then for myself or another member. He was so professional, kept everyone laughing, and moved people around to format the picture just right without any problem. Thank you ALLEN.

The 1995 Challenge Cup Relay Race once again proved how valuable motorcycles can be when equipped with ham radio equipment. Every time the race director needed some assistance in a hurry a MARC member was right there to assist within a few moments. Because we could hear Chuck make the call for help to the control operator at the Hacienda Hotel, the MARC members would already be headed in his direction before the control operator had a chance to contact us. The race director was definitely impressed with our performance, mobility and our ability to communicate. Four or five members of the Peacemakers Motorcycle Club have already received their call signs and purchased ham radios to put on their motorcycles for next years event. MARC members TKQ John, UAM John and FHN Ray have already had one meeting with the race director about this year and next years race. We had 23 MARC members including the Peacemakers who have joined MARC, worked this event. We have some plans for next year that should make our motorcycle communications even better. Those MARC members participating were BJ John, BWZ Jerry, DL Dick, EDY Billy, Eli Mike, FHN Ray, GUA Leona, IKX Dick, LI Terry, MVN Mark, NFF Steve, NXC John, OAI Steve, PSD Gary, QGT Tom, QZT Mike, RDL Pattie, RIN Chuck, TKQ John, UK De Witt, USO Burt, VBO Butch, ZHG Dave, congratulations on a job well done. Hopefully we didn't miss anyone. If so we apologize in advance.

The SCMA's (So. California Motorcycle Ass.) Three Flags Classic is coming up fast so it seems. The Labor Day event seems to draw a full house each year, but this years 20th anniversary ride is special and we have seen only one ticket change hands so far and that went to MARC member ZVZ Jim #422, his 14th consecutive year. this years ride is especially important to Bonnie and I because my son Rod #189 is going to make the Three Flags ride for the first time with us. He owns a 1986 SEI Goldwing as of last month and we are in the process of putting a ham radio on it. Rod has passed his novice part of the test and still needs to pass the tech part. We have 19 other MARC members signed up for the ride this year up from 13 members last year, four of them don't have tickets yet, so if any of you MARC members out there hear of someone who can't go, let us know immediately, it is extremely important.

While Bonnie & I are gone to Wing Ding and later on the Three Flags ride we will need someone to do the 8 P.M. Wednesday

nite 2-meter MARC NET. They will need a radio with at least a 45/50 watt output, a power supply to handle one hour of continuous transmitting, a good high exterior high gain antenna, a good location and come to our place at least once, preferably twice to participate in the net before trying it themselves. We can loan most of the equipment to you if you have the antenna and location. If you think you might be interested please call us soon.

Our Saturday morning get togethers at Huntington Honda have been having large turn outs. I guess it must be the free coffee, scrumptious rolls and donuts. Whatever reason, we had 15 members there last Saturday May 26th. The largest turn out to date was the 23 members who showed up on Saturday May 5th to critique the Challenge Cup Relay Race. That's about half the number of members who show up at our regular MARC breakfast meetings.

This month's June 13th MARC breakfast meeting will still be held at Denny's at the I-91 Fwy/Weir Canyon/Yorba Linda Blvd in Yorba Linda at 8 A.M. Hopefully we can sell enough tickets to give us a chance to draw for the super raffle, an I-COM Z1A 2M-440 Dual Band radio. If our out-of-state members want to get in on the drawing, the tickets are \$1 each, we will put your name & call sign on the half of ticket that goes in the sealed box and send you your half if you include a SASE. We should have alerted our out-of-state members in the April/May newsletter, but to tell the truth we just didn't think about it. When things like that happen I get very upset with myself for slighting our out-of-state, out-of area members. I never said I was perfect.?? Also we have many very good prizes at each meeting. The money that comes in from the drawing of prizes goes for purchase of more and better door prizes. As a basic rule we want our door prizes to be useful for amateur radio or motorcycling. Of course we don't always do that, because we get many door prizes donated by attending members at no cost to the club. We love it, and it works out great. Thank you. Also this month after the meeting KM6UK De Witt is going to lead us on a ride and to a lunch spot. See his article elsewhere in this newsletter. Everyone is welcome to join us, so come prepared. We would love to see a big turn out, for De Witt to have to manage.

The next event taking place is on field day weekend. On Saturday June 24th we will meet in the parking lot at Denny's where we hold our meetings in Yorba Linda, and proceed to the area where the Corona Police Dept Explorer Scouts are holding their field day event. They have offered us free hamburgers, chips & soft drinks in exchange for demonstrating our ham radios on the motorcycles, I know if Bonnie and I are in town we will be there. After all, a free meal for doing what we like to do anyway, can't be beat. We have nine members signed up for this event already. We'll pass the sign up sheet around again at the June meeting.

The American Heart Associations "Heart & Sole Classic" has already had three monthly meetings for the 95 October event. The meetings are always attended by about 40 executives from local Orange Co. businesses. I've said this before, but they are really organized.

The "Ride For Kids" held Sunday May 7th went off without a hitch, thanks to EDY Billy, who was the MARC coordinator for this event. We actually had 25 members sign up for this event. Those MARC members who participated were UK De Witt, MVN Mark, EDY Billy, PHI Conrad, NFF Steve, HUS Jim & his XYL, FHN Ray, PSD Gary, MPB Mel, OFQ Bonnie & OBC Ray. Again, I hope I haven't missed anyone. Mel and Bonnie went up to the hill where the San Clemente water tower is and put up a 35' push tower with a 10' tri-band antenna on top of that and were control operators from there. This worked out so good, it amazed everyone. You could talk to them on a HT using .5 watts from the start at Dana Point. The entire length of the ride we had great contact with them. Another great job done by MARC members for a charity event.

We haven't heard from our coordinator for the Lorenzo Lama's " Ride for Life" yet, so I don't know where we are as far as that event is concerned.

The MS 150 meetings are also being held each month. I've been attending those meetings. There is a big change in the route this year. All members will get an update as the Sept. 30th date draws nearer.

NXC John and PSD Gary are the coordinators for the "Love Ride", the largest event of the year. See John's article elsewhere in the newsletter for further info.

Our MARC/IBMC members have been on a couple of local campouts already this year.(Mar. 31 Diaz Lake)(Apr 28, Plaskett Creek),(May 12 Lake Isabella). We would like to make the June 16-17 Black Canyon, June 23-25 Flaming Gorge campouts & possibly Aug 1-13 at Hot Springs, SD at least a day or two and the IBMC National in Eureka, FL. Bonnie is going back to Ohio after the June MARC meeting and I'm going on the motorcycle, lord only knows where. We will meet at Wing Ding on July 2nd. As I stated in the April/May newsletter, we will be attending the Three Flags banquet on Wednesday Sept. 6th in Whisler, BC and the IBMC national campout starts Sept. 14th. We have to come back to Irvine, CA to pick up the trailer, so we would have some really long 1000 mile days. See you in Eureka.

Please read the article in this edition on what we have learned thru experience and testing of ham radio antennas and motorcycles. The reason we are loyal to Comet is because they are right here in Orange Co. and they are always doing things for us. They repair or replace antennas while you wait, they donate the antennas that we use for testing as door prizes, they are sincere about helping us achieve the ultimate in motorcycle-ham radio communications and they are just really nice people.

HF Report: We haven't received anything from NDC Steve, net control about the HF Tuesday nets. I know he's doing a great job because sometimes I can hear some of the people coming back to him. I only have a Kenwood TS-50S with a Cushcraft R-7 antenna which is located too close to my four other antennas and also too close to the roof line. I plan on moving it to the other side of the house and raising it at least 8 ft. Sometimes I can just barely hear Steve on 20 & 40 meters. Keep up the good job Steve. We, MARC members envy you...

See the packet material for ZHG Dave's report, please join him on packet when you can. Dave just got back from a month and 7500 mile trip. We hope he does an article on his trip for a later newsletter.

We had two distant MARC members come to Orange Co. and Electronic Times to have their equipment mounted on their motorcycles. KE7AA Bob from Spokane and KD8MDL Gordon from Sacramento, CA. Gordon took Bonnie & I out to Tony

Roma's for dinner, boy were those B-B-Q ribs ever good. The one thing we learned for sure from both installations, is that after the installation is done, they have to be tested thoroughly before they leave town. Bob had helmet problems and sent it back to Electronic Times to be corrected. Gordon left without a thorough test on the freeway, he called me stating there was something wrong with his radio. He could hear us calling him on 2 M but couldn't get back to us. I sincerely hope that those things were corrected without any further cost or problems.

VE7IDV Fred (new member) sent a letter asking for help with an installation, so I ask Bonnie to send him the Feb./March and April/May newsletters to him. After reading all that material Fred, please call me about any further questions you might have. You can leave a message on either answer machine, but we can't afford to call back all the people who call us from all over the world so please try again until you get us.

If you would like MARC business cards or the new QSL cards, send a note & a SASE.

In our absence in July, the Vice President of MARC KJ7LI Terry will conduct the meeting.

Please remember to support MARC by checking in on the MARC nets on Tues & Wed. nites.

At the June 10th MARC meeting we will have the MARC strip labels, the new MARC decals & the new MARC Banner.

Mark your calendars for the Sept. meeting which will be on the third Saturday Sept. 16th, 1995 and the October 14th meeting will be a picnic in the park, more later.

The next newsletter will be out the first week of Aug. for Aug/Sept.

"SAFE RIDES & CLEAR FREQUENCIES"  
73 RAY DAVIS KD6FHN 714-551-2010

## SOME REFLECTIONS ABOUT THE CHALLENGE CUP RELAY RACE: BY DE WITT KM6UK

Well, the 1995 Los Angeles Police "Challenge Cup Relay Race" is in the record books. Guess what? MARC went into the record book also. We had a record number of motorcycles, and several four wheelers involved in one way or the other helping out. I will not mention everyone here because Ray already has, but, THANKS GUYS n' GALS, you all did a great job!

Some people to whom I must give just a little extra credit. Billy, N6EDY, Dave, KC6ZHG, because I heard them for hours. And of course the "big cuddly bear" Gary, KE6PSD. I am sure that you all went beyond the call, but I just simply didn't hear or see you.

Dick Postma, KO6DL, and lovely XYL, Leona, KE6GUA, brought their fifth wheel trailer, and set it up at the Mountain Springs Fire Station. I cannot begin to tell you how good it was to walk into the warm trailer at about 1 A.M., after being out there at 5200 feet, and a temperature of around 37 degrees, Ray and I were greeted by Leona with a big smile, a steaming cup of coffee, and a bowl of CHILI you notice that I did not spell that "chili." At about 4:00 A.M., it was CHILI (Rollaids helped.) Pattie KE6RDL was there to help, and had made her now famous cornbread muffins. I cheated and grabbed two of them, (I think Ray did too.) Mmmm, Mmm, good!

I do not know how Leona knew I might need orange juice because of my diabetes, but when I walked in, I was presented with a glass of o.j. Every time I came by, Dick was out there in the cold, directing traffic. Well done you three, you made lots of people happy, and warm that cold morning.

We managed to get through some very (make that VERY) bad road conditions up in leg 17, without any of bikes having a major problem. It got really cold, and windy for Steve and me out there at about 0400 hrs.

I did not go to the awards ceremony, guess I missed a really good time. I hear ex-chief Darrell Gates got a standing ovation when he came in unannounced. I know I missed a good time at the party following based on what I hear about Ray, KD6FHN, Dick, KD6IXK, and especially Mark, KD6MVN. Mark had to wear two helmets to contain that big head the next morning. Watch out for the transit cops Mark.

Monday morning at 10:30 A.M., Mark, Ray, Bonnie, Dick, and I, had the honor of attending the wedding of our good friends Burt Brink, N6USO, and new bride Geri Brink KE6SUW. Geri's son Shawn was included in the ceremony.

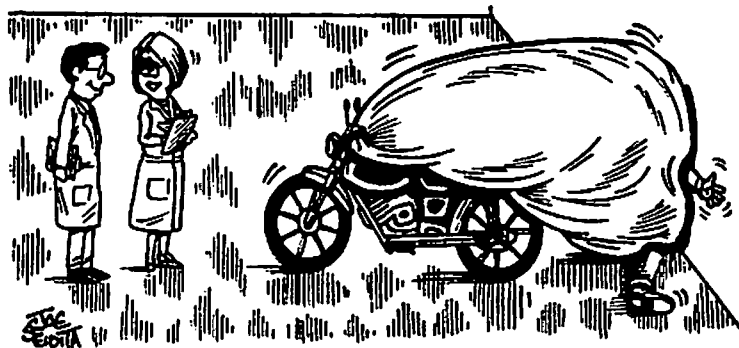
Burt promised us a 10 minute wedding, but it went 11. I do have to say though, I was very surprised when Mark, KD6MVN, asked Bonnie for a tissue during the wedding. Please be happy friends.

Our ride home Monday afternoon was warm and comfortable. We did not have to buck the winds that some of the riders did on Sunday.

Now changing gears a bit. For those of you that might be thinking of forming a MARC chapter in your area, The Board of Directors is in the process of developing the information needed to get started. Expect to see it soon right here.

Now, you have sat there reading what Ray wrote, what I wrote, but there is nothing that you wrote. Come on folks, let us know what you are doing in your state/area. We would really like to hear from you. How about it Percy, Ed, Russel, Debbie, how about some news from MA., Ark., and GA., and all those other neat states and places. You must be doing something interesting. Please, anyone???

Well that's it from this shack, 73's to most, 88's to some.



"You know, this motorcycle air bag has possibilities."

""SOMETHING NEW HAS BEEN ADDED""

Beginning with the June meeting, we are going for an after meeting, monthly (?) ride. This will hopefully be a regular event after the meetings. We will try to have fun, interesting, places to go to, or ride to go on. So, What are we going to do in June? After the meeting, we will ride north to Glendora Mountain Rd. Up through the San Gabriel Mountains to Mount Baldy Rd, back down to the I-210 and west to Peck Rd. Into El Monte, for some of the best Mexican food I have had. Don't expect a lot of ambiance though. After lunch you are on your own. I will pass July because I will be in South Carolina and other southeast states.

August will see us heading south on I-5, I-805, I-8, to El Cajon for some good old B-B-Q. Again, don't expect a lot of ambiance, just good food, at a reasonable price.

If you have a favorite place you would like to share with us, let me know. I will "try" to have some kind of ride most every month, that is if I am not off on a ride myself. Expect to travel at least 100 miles, so come to the meeting with a full fuel tank. Fuel is available on most rides, except in the mountains.

73's-88's De Witt KM6UK

LOVE RIDE UPDATE BY JOHN REYNOLDS, KD6NXC

This year's Love Ride will be held on Sunday 12 November 1995. This ride is sponsored by Glendale Harley-Davidson and is a benefit with proceeds going to the Muscular Dystrophy Association. The ride will be from Glendale Harley-Davidson to Castaic Lake. "Marc" provides mobile (Motorcycle) escort and radio communications during the ride.

There will be a kick-off party at Harley-Davidson of Glendale Saturday 26 August 1995, from 11 A.M. to 2 P.M. (Live entertainment-refreshments-special guests), everyone is invited.

At the 3 May 1995 committee meeting the entry fee was set at \$45. for this year's ride. In the past this could be in the form of signed pledges, this year the first \$45 must be in hard cash, IE: green cash, check, or credit card. Pledge amounts over the \$45 minimum will qualify the entrant for other prizes/awards to include for the top or highest pledge entrants qualifying for a drawing to win a new Harley.

The Grand Marshal for this year's Love Ride will be Jay Leno with Peter Fonda as his co-Marshal. A headliner act for the show at the Lake Castaic park has not been confirmed, possible are Eric Clapton, Garth Brooks, Tom Petty, and the Doobie Brothers plus others that have not yet said no. There might also be an appearance of Jerry Lewis who does the annual Telethon for Muscular Dystrophy on TV. We shall see...

Other routine business was conducted by the Love Ride committee.

MARC members that volunteer to work as escorts for the ride do not have to pay the entry fee. They are given a free Love Ride T shirt, lunch and entry to the park at Lake Castaic the day of the ride. However they may collect pledges for the Muscular Dystrophy Assn. and qualify/compete for all prizes available if they desire to do so. Pledge forms are available at Harley-Davidson dealers and most Motorcycle parts stores. I will try to have pledge forms at future MARC breakfast meetings.

The next Love Ride committee meeting will be held on Wednesday 21 June 1995. Thanks to Gary Rutherford KE6PSD for attending the 3 May 95 meeting with me and volunteering to act as my assistant.

LETTER FROM DOUG & KAREN KREGEL ( KB6RRX & KC6JCX) FROM AUBURN, GA TO STEVE KC6NDC ON 5/25/95:

Hi Steve:

Nice QSO on Marc Net Tuesday, 20 meters has been bad all day.

Say hi to Ray & Bonnie for me, maybe pass this letter on to them. We did buy an 8 year old all White brick home with two car attached garage. Two lakes (stocked with large mouth bass and thousands of brim, blue gill I call them, little to small as yet). With a 28 x 30 cement block building that will be my shop, a 15 x 40 hoist barn covered for my Motorhome to sit under. Lot has many 100 trees around back of lake yet I can drive around both lakes all on 5 3/4 acres, yes and PLENTY of grass to cut.

Georgia is real pretty on a Gold Wing too, lot of shade trees.

Please have my address changed with MARC (love the newsletter).

Hope to see you with Ray & Bonnie at Greenville, SC this July.

INFO FROM YOUR 50/50 LADY PAT KD6SBZ

The drawing for the \$5 during our weekly nets has been rather quiet. The following were called over the last two months: 3/29 KE6EII Mike, 4/5 KE6JLV Chuck, 4/12 WA5CJP Paul, 4/19 K6GXO Keith, 4/26 KC6ZHG Dave(\$5), 5/3 N6QZT Mike, 5/10 KE6CEZ Dawn, 5/17 KE6RDB Kevin(\$5), 5/24 KE6SVF Lynda(\$5), 5/31 KE6HSY Bruce. The winners have to be at the June 10th Breakfast meeting to collect. We still have the SPECIAL RAFFLE drawing for the I-COM Z1A Dual Band HT radio.

JUST A FEW FROM THE SEC/TREASURER BONNIE KD6OFQ

Just a reminder to all MARC members, Ray and I will be in Greenville, SC for Wing Ding where we will be putting on a two hour seminar (along with DeWitt KM6UK) which will "probably" be on Tuesday from 11 A.M. to 1 P.M. Not positive as I have not heard back from National regarding a time and day.

Ray and I will be bedding down at the Hampton Inn Haywood just off the 385 Fwy at Haywood Road, Phone #803-288-1200. We will have shirts, caps, decals, courtesy cards, QSL cards and mounting brackets with us. Our badge maker "Callier Enterprises" will also be there and have MARC badges available for anyone who would like a badge. Of course we will have extra newsletters & applications available. Looking forward to seeing many MARC members present.

We will be arriving in Greenville on Sunday evening, July 2, 1995.. SEE YOU THERE!!!!!!

PACKET RACKET FROM THE PACKET COORDINATOR: DAVE HOFFMAN KC6ZHG

MSG# TR SIZE TO FROM @BBS DATE TITLE

28007 PN 1544 KC6ZHG G4FUJ ----- 950403 MARR & MARC

Forwarding oath: K6VE W6VIO KA6EYH VE4KV G1DIL GB7BBS GB7MAX GB7PZT GB7GLO

From: G4FUJ@GB7GLO.#46.GBR.EU

To: KC6ZHG@WF6O.#SOCA.CA.USA.NA

G'dday Dave,

Just to say April/May Newsletter arrived today, 31st March. Takes 4 days to reach me-much faster than in the other direction I'll bet!

The Motorcycle Amateur Radio Register here in the UK will probably change it's name to reflect amateur radio first, by majority request of the membership. When we've decided, I'll pass on the news!

There should soon be an April newsletter, which I'll forward to you via packet. Since joining the packet ranks, and posting a bulletin looking for more members here in the UK, membership has swelled tremendously, to today's 46. I know there must be more out there, it's now a question of targeting the right magazines etc.

May the Motorcycling/Ham fraternity grow from strength to strength!

Best 73

Graham G4FUJ @ GB7GLO

\*\*\*

MSG# TR SIZE TO FROM @BBS DATE TITLE

28406 PN 2083 KC6ZHG KB5RWS - 950405 WING ANTENNA & GAIN

Forwarding path: WB6OMC K6VE WBAKF WB7TLS K5DI WB5NQC WB2ARS

From: KB5RWS@WB2ARS.NM.USA.NA

To: KC6ZHG@WF6O.#SOCA.CA.USA.NA

Hi Dave and all. Just got the latest newsletter and wanted to put my two cents in. I changed my antenna mounting last fall after seeing Ray's arrangement at Wing Ding in July But I, (like all of us) did it just a little different. I could not find a SO-239 arrangement that would work for me until I found a Radio Shack cable with SO-239 on one end and a PL-259 on the other. I cut off the PL-259 and later crimped a BNC on that end. I used the AM-FM mount and cut about an inch off it, turned the SO-239 down to a very tight fit in the former AM-FM mount and glued about 180 degrees with JB weld. The Radio Shack part# is 278-975. This cable went into the trunk where it hooks up to a RF concepts 2-70 Amp and then on to my FT-470. The wiring to helmet has been widely discussed here before. I started with a SB-7 but went later to a Diamond NR770H that is within .5 db Gain over the SB-7. That's what I said, about .5 db. The SB-7 is advertized as dbi and the Diamond is dbd. As stated in the ARRL Antenna Book page 2-23, 16th edition and the ARRL Handbook page 14-2, a dbd is rated over a dipole and a dbi is rated over a isotropic. A dipole has 2.14 db gain over a isotropic so you would subtract 2.14 from dbi to get dbd. When you do that, the two antennas average out to about .5 db difference, not enough to worry about I think. And the NR770H is just about the same length as the CB antenna on the other side. Sure hope this comes out ok. Well, that's what's new here in New Mexico.

73's and RIDE SAFE!!! BLAIR

\*\*\*\*

MSG# TR SIZE TO FROM @BBS DATE TITLE

28699 PN 1674 KC6ZHG VE6HGW - 950406 MAIL FOR KD6OFQ

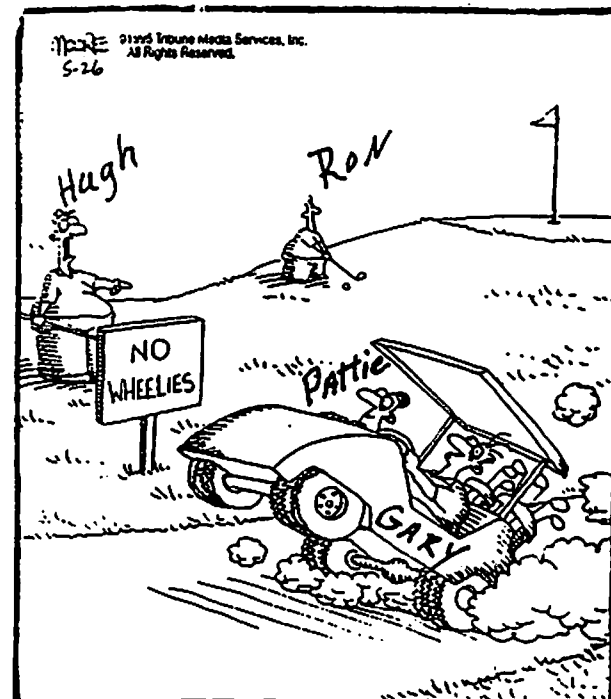
From: VE6HGW@VE6YYC.#SAB.AB.CAN.NA

To: KD6OFQ@WF6O.#SOCA.CA.USA.NA

Hi Bonnie,

Thought I'd try my luck at packet. I don't have a TNC yet but I've managed to get on to the local BBS via my old XT and 1200 baud modem. I have my Kenwood 742 installed on my Gold Wing with the radio in the right saddle bag and the control panel mounted in a waterproof cover on a stainless steel bracket between the handle bars. I've successfully integrated the fairing speakers and headset speakers through switches. Works fine for me. Still using the hand held mic though. I expect to use a second mic cartridge mounted on my boom CB/intercom mic. That's my next project. What I really would like to receive is a roster list of fellow MARC members. Is a list available? I'd prefer to receive one via packet if possible. Do you have a file from your address labels or what ever that you could send me? Do you keep track of who uses packet and what their address are? That's about it for now. Sure enjoy the newsletter. Hope this message reaches you. Anxious to hear from you. Bye for now. 73's.

Drew Pushie, VE6HGW@VE6YYC.#SAB.AB.CAN.NA



"Hey, hey, hey!!"

ANTENNAS:    ANTENNAS:    ANTENNAS:    ANTENNAS:    ANTENNAS:    ANTENNAS:

An antenna summary and update for new MARC members and those MARC members who forgot.

Lately we've been getting many calls about the antennas MARC members are using on their motorcycles. This is a very difficult question to answer, because of what bands you want to operate on, which brand and model of motorcycle you want to mount the antenna on. But here is what we know for sure from experience and testing.

We have tested Comet, Larsen & Diamond antennas. We found the Larsen & Diamond antennas, at this time, to be too flexible and therefore did not have an acceptable radiation pattern at freeway speeds.

The Comets are all fold over antennas, so you don't have to remove them when entering the garage or to cover your motorcycle at night.

**COMET FL67S DUAL BAND 2M-440** 4.5/7.2 dBi gain, 60 " tall @ \$90, heavy duty construction. So far this has been, by far, the best dual band antenna we have tested, currently some of us have over 20,000 miles on our motorcycles with this antenna mounted off the back of our trunk racks.

**COMET CA-HV 3.4 DB ON 2M** also 6M & 10 thru 40M HF, extra heavy duty construction, \$120, 47" tall in the 2M configuration. At one point this was the best 2 M only antenna we had tested.. If I wanted a 2M only antenna, I would still buy the FL67S because of the 3.4 to 4.5 dB gain, even though the FL67S is a dual-band, it still out performs the CA-HV in the real world on 2M. This antenna is indestructible.

**COMET HP32 2M-440** 3.5/5.5 dBi, 35 1/2 ", \$80. At 35.5 inches this is a super heavy duty antenna. With an open coil half-way up. The 3/16" stainless steel runs up the entire length of the antenna. It will clear most garage doors that the dual Goldwing antennas will clear when the a HP32 is mounted off the back of the rack. Don't expect this antenna to perform like the FL67S. Even though its only down 1dB from the FL67S, there was a big difference in actual application. We could talk for 65 miles on 2M simplex with the FL67S. Riding the exact same route using the HP32 we could not transmit back to Bonnie at about the 55-57 mile marker on the same motorcycle & mount. When you're dealing with distant stations or repeaters in remote areas that's a huge difference. My intention was to use the HP32 around the LA Basin & Orange County area here in So. California so I could go in and out of the garage without stopping to fold over the antenna. However, we found it is so much easier to talk simplex to fellow MARC members bike to bike for 20 or 30 miles then to tie up a repeater. So I still use the FL67S all the time. I keep the bolts on the bracket loose enough to allow the antenna to pivot down if I forget to put the antenna down before going into the garage. Lucky, those of us living here in So. Ca., drop by the NCG Corp.(Comet) and get our antennas repaired in a matter of minutes while we wait.

**COMET CX-224M** 2M-220-440, tri-band, 2.15/3.6/6.0 dB, 37", \$77. We first used this antenna three years ago when we wanted to mount the ham radio antenna on the stock AM-FM antenna bracket on the right side of the 1500 Goldwings. When mounted correctly it is the same height and looks just like the CB antenna on the left side of the 1500 Goldwings. Like the CB antenna it has a center coil and folds over, too. If you're worried about aesthetics rather than performance, this is the antenna for you. It works just fine in the metropolitan areas where you are never very far from the repeater sites. We have had one on our motorcycle for about 100,000 miles. We now use it for 220 only as we have the FL67S dual band 2M 440 mounted off the back of the trunk rack.

**COMET SB 25 2M ONLY** 4.1 dBi, 57" too light construction for use on motorcycles.

**COMET SB 1 DUAL BAND 2M-440** 4.5/7.2 dBi, 55" also too light construction.

These two antennas are just the ticket for a four wheeler. However, the four we had on the Three Flags Ride last year didn't make the first 2,000 miles. They all broke off at the base. The vibration is just too much for them.

**BOTTOM LINE** The Comet FL67S is the best dual band 2M-440 antenna we have tested to date. However as of Friday May 26th NCG Corporation only had 32 of them left to supply all their North American distributors and they will be discontinued. It's replacement is the Comet Z 780 2M-440, dual band, 4.5/7.2 dBi, 60 ". It has all the exact statistics as the FL67S, only with a theft resistant locking feature. Comet gave us a Z 780, but we've not been able to complete testing on it at this writing. Next newsletter, August/September 95 we'll include a test on this antenna.



#### PICTURE A:

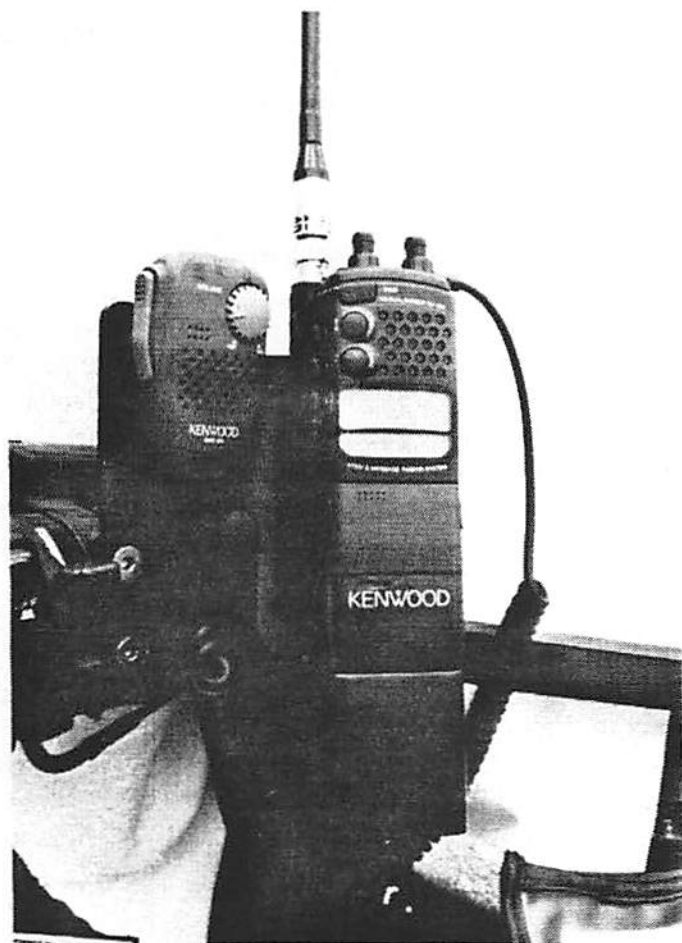
This is a Kenwood TH 78A dual band, 2M-440 HT mounted on a GWHT-1 bracket from Electronic Times. Showing from Left-Right on top of the radio, a BNC connector on the Comet 3D4M coax cable leading to the antenna mounted on the trunk rack. In the middle the Kenwood PG-2W DC power cord wired directly to the motorcycle battery. Also on top of the radio on the right is the AD78 adapter harness for a Kenwood HT. Electronic Times has or can make up a harness for any radio. The harness couples the helmet speakers, the PTT button located under the left handle grip, and the helmet mounted mic to the radio. This installation allows you to use the full capabilities of the dual band

HT. You can enhance this system even more by adding a RF concepts VHF 1-60 amplifier in line between radio and antenna. One watt from your HT on 2M will kick out 60 watts output from the amplifier. The 440 signal passes right thru the amplifier without triggering it. Your hand held can be used all day on 5 watts wired to your motorcycle battery. However anytime you have the amplifier attached and turned on while transmitting your motor should be running above 2,000 RPM to maintain your battery. We tested this system for many months and had no problems with it, and it works wonderfully well. The HT is easily removed for security or use in your car, house or on your belt.



#### PICTURE B:

Kenwood TH 78-A dual band, 2M-440 mounted on bracket #GWHT-1 from Electronic Times. This is the simplest, least effective way to mount your HT. As you can see in this picture the installation is using a dual band rubber duck antenna, other than the stock one, and a Kenwood SMC-34 speaker mic with volume, band, memory & call frequency controls on it. The radio is also shown with the optional Kenwood PB-17 NiCd battery pack with DC 12V & 700 mAh output. The manufacturer proclaims to put 5 watts on high power on this battery, which tested out to be a little over 4 watts. Obviously you have to take your left hand off the handle bar to put the mic to your mouth to talk while in motion. Now this is extremely unsafe at any time, plus you cannot hear the speaker mic at any speed above 50 MPH unless you take it off the bracket & clip it on your chin strap helmet. The biggest problem comes to the far front immediately when someone tries to understand you while you are mobil. The mic is not designed, nor is any speaker mic, to be used on a motorcycle at highway speeds. It works fine while standing still, but is near useless at highway speeds.



#### PICTURE C

KE7AA Bob from Spokane, WA came down to Electronic Times April 17, 1995 to have a Kenwood TM-642 mobil radio, dual band 2M-220 mounted on his Goldwing. Bob went with the dual antenna mounted on the side of his motorcycle, (see last months newsletter) on a stock mount rather than mounting it off the back of his trunk rack. The radio its self is mounted on the right, inside of the trunk out of the way of everything else. The detachable control head is mounted just rear of the ignition key. He also has a PTT button under his left handle grip and a helmet mounted mic with helmet mounted speakers. Bonnie and I enjoyed a very pleasant day with Bob while his installation was being done. We hope to see him in September when we come home from Whisler, BC, Canada, after the So. California Motorcycle Assoc. annual "Three Flags Classic".

A LETTER FROM BOB KE7AA, SPOKANE, WA APRIL 25, 1995

Dear Ray & Bonnie,

The trip back to Spokane ended up being either cool or wet, and sometimes both, most of the way. I came back I 5 all of the way and took an extra night to spend with an old college friend in Eugene

I certainly enjoyed and appreciated the time you spent to get me squared away in the environs of Fountain Valley Sent helmet back to Michael yesterday and trust that he can readily solve the wind noise problem.

If you need a squibb for your news sheet, how about something like this:

A trip to Altadena to spend Easter with son, daughter-in-law and grandchildren was made even more pleasurable by the opportunity to meet and spend time with Ray and Bonnie Davis, KD6FHN and KD6OFQ.

Thanks again for all your help and interest.

LETTER FROM RON JOHNSON KF8QV, GATES MILLS, OH APRIL 27, 1995

Hi Ray,

It's been awhile since I wrote to you about the setup on my '89 Wing. I recently purchased a Yaesu FT-5200 VHF/UHF rig to upgrade performance on the bike over the handheld I had been using.

In the enclosed photo, you can see my TS-50 Kenwood mounted on the Electronic Times bracket. The remotable head of the FT-5200 is attached to the underside of the TS-50 with the remainder of the radio behind the passenger seat. Please note the red wire from the TS-50 and the yellow wire from the FT-5200. These are Heil adapter cable assemblies for their headsets. These assemblies have PTT and mic jacks which I connect to the box under the bracket, which have jacks for my helmet headset. (This box has switches to switch from amateur to bike intercom.)

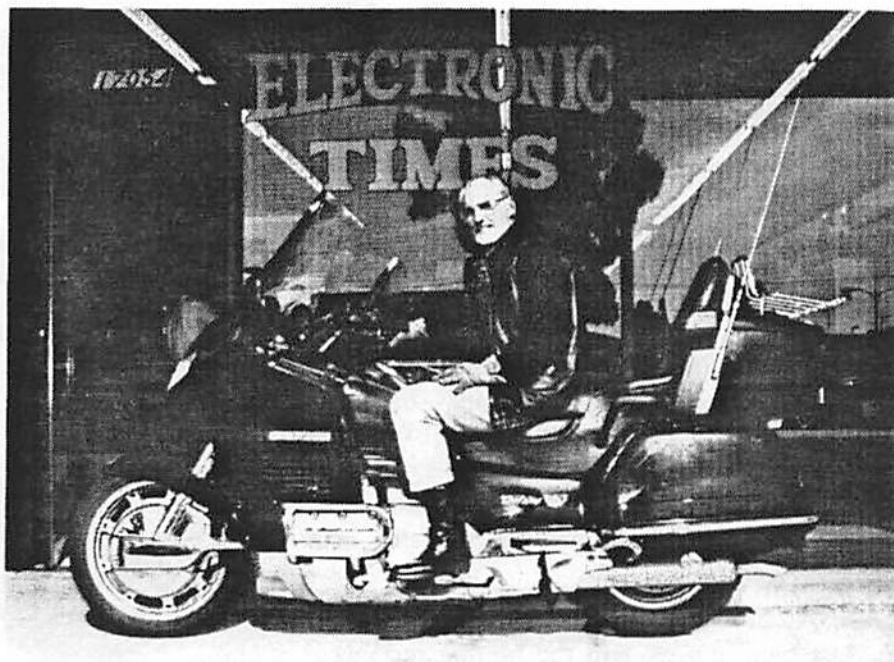
The PTT cables are routed thru the switch above and to the immediate right of the yellow cable. This allows for switching transmit between the two radios, and sends the selected cable to the little yellow PTT switch below the horn button on the left handlebar.

The receiving cables are routed behind the transceivers. There is a Yaesu speaker behind and below the FT-5200, which can be switched in, when using a hand mic on a transceiver.

One other little item is the three little lights to the left of the FT-5200, which is a Radio Shack auto electrical system tester with the cigar lighter plug cut off and wired direct to the bike's fuse block.

I don't know if Steve, KC6NDC, told you, but I was in Palm Springs in Feb., and I rented a motorcycle to ride to the Feb. breakfast. I arrived at the wrong Denny's due to my taking an old MARC newsletter with me on the trip. I hate it when I do that. Oh well, perhaps I can do better this summer or next winter. I do make it from time to time on the 20 meters, to check into the MARC net.

Ray, thank you for taking the time to read this, and I do hope to meet you one of these days.





## AMATEUR RADIO BY GORDON WEST, WB6NOA, (SPECIAL TO THE ORANGE COUNTY REGISTER) COMPUTER GAMES, CLASSES CAN MAKE LEARNING RADIO SKILLS FUN:

To become a licensed amateur radio operator with call signs, you must pass two Federal Communications Commission examinations. Learning the Morse Code is optional. The no-code technician class license is a popular way to get started, and all Radio Shack stores carry "No-Code-Plus," a \$7.95 theory book.

Weekend ham classes are another way to go. Study, pass the test and spend a fun weekend obtaining call-letters that are issued electronically three days later.

Huntington Beach-based Amateur Radio Education Inc. has released Ham University, a new Windows computer program for learning amateur radio theory and Morse Code for all levels of licensing. Test yourself on theory questions, and get an applause or sighs that let you know whether you're right.

"Kids love it," said Amateur Radio Education founder Roy Stephens, AC6CQ, of Irvine.

At least five varieties of ham training materials, for Macintosh and IBM-compatible computers, are available at Ham Radio Outlet in Anaheim. The store also has tapes covering ham-radio theory and code.

It takes about 30 days to prepare for the ham license. Computers can make it fun and games, and a simple scanner can be tuned to 446.350 MHz for on-the-air ham-radio training. Tune in Mondays and Tuesdays at 7:45 p.m. to learn where and when Orange County ham exams will be given.

## CBER NEIGHBOR SHOULD DO WHAT IS NEEDED TO STOP INTERFERENCE:

A reader from Anaheim writes, "We have a problem with a neighbor who moved in next door and erected a huge antenna on his roof. The signals bleed through on my computer sound blaster speakers, and many times his signal comes through our intercom and TV set, too. What can be done to get the voice of 'Johnny Walker, breaker good buddy, come on,' out of our household?—Awakin' Anaheim."

The type of voice you hear indicates the interference is from a Class D citizens band operator, not from an FCC-licensed amateur operator. Licensed hams use FCC-issued call signs, not handles such as "Johnny Walker."

Licensed hams share the responsibility of clearing up neighbor interference problems, and most hams quickly attempt to remedy the situation with filters, chokes and bypass capacitors to home electronics that are overly sensitive to nearby radio signals. The FCC no longer takes an active role in solving interference complaints from next-door CB radio operators.

Contact the CBer and ask the operator to move the antenna away from your property line, and this should help.

You should find that licensed ham operators will be quick to solve interference problems once they have been informed a problem exists. But it's a cooperative effort, where home electronic equipment may need cleanup, too.

## PACT ALLOWS BEGINNING HAMS TO OPERATE SOUTH OF THE BORDER:

Winter in Mexico finds hundred of amateur radio operators using their equipment when cruising Baja. An informal licensing agreement between Mexico and the United States allows beginner no-code ham operators to use the worldwide airwaves in Mexico, under Mexican authority, as if they had the general worldwide license.

"It's easy to obtain the Mexican reciprocal permit—a trip to Tijuana with your ham license and tourist permit, plus a pocketful of pesos, and you are legal to go on the air in Mexico on almost any frequency on the ham bands," said Larry Roger, KE6OPX. "When I'm cruising south, my ham radio keeps me in touch with my friends in Orange County."

A U.S.-Mexico agreement also allows ham operators to "phone patch" mariners at sea into the California phone system. If you have a shortwave set with single sideband capabilities, tune into these marine nets: 3968 kHz at sunrise; 7238 kHz at 8 a.m.; 7294 kHz at 8 a.m. and 7 p.m.; and 14,340 kHz at 11 a.m. "I receive detailed weather facsimile charts over my amateur radio transceiver and relay the weather reports to mariners in Baja," said Tom Barnum, AA6TP, of Mission Viejo, official weather reporter on the "Chubaso" net, which meets in the early mornings on 7294 kHz. "The Baja California weather can change real fast, from good to bad, and our weather reports and warnings are one of the only ways mariners know what is coming in from the west."

## GROUPS COLLECT EQUIPMENT FOR EMERGENCY OPERATORS IN MEXICO:

Amateur radio operator Bob Leef, KB6DON, of Laguna Niguel is launching his second effort to collect equipment for emergency operators in Mexico. His nonprofit REACT organization is seeking inactive radio sets that will be used by emergency communicators. "Both ham radio operators and REACT members are now collecting-working or not-CB, business radios and selected ham radio sets that will be delivered to emergency organizations in Tijuana, Mexico," Leef said.

The Tijuana Fire Department and other Mexican agencies gratefully acknowledged the equipment delivered after the last radio-collection campaign, he said. Leef hopes to be able to offer more than the 40 radio units delivered in 1991. The Orange-based 78 Club will work REACT on this project.

"The radios are especially needed in rural areas with poor or no communications at all," said Allan Robertson, KD6PYX, president of the 78 Club. Richard Clark, N6UZZ, a 78 Club officer, said old CB's especially are needed. "Down in Mexico, Citizens Band radio is essential for emergency communications," he said.

Donations can be made by calling Bob Leef, 714-770-9501. For a status report on equipment donations, tune in 144.330 MHz at 7:45 p.m. Mondays and Tuesdays.

# Electronic Times

an M&M Communications Company

17054 Magnolia Avenue • Fountain Valley, California • 92708 •  
Phone: (714) 375-0388 • Fax: (714) 375-0389

Michael H. Mercado • KM6NP • Owner

## MOTORCYCLE PRODUCTS

### PRODUCT AND PRICE LIST

Item	Description	Price
BRM-1	<b>J &amp; M Antenna Bracket (Rail Mount)</b> Fits Honda and all other 7/16" or 1/2" Bag or Grab Rails. Unit has 5/8" hole for antenna connector. All Aluminum with Aircraft Stainless Steel mounting screws.	15.95
GWSM	<b>J &amp; M Goldwing Side Mount Antenna Adapter</b> Converts Honda Stock antenna mount, to accept ham or CB antennas that use a standard HF style Connector. Provided with 10' 50 ohm coax and easy 15 min assembly instructions.	24.95
AFMCB	<b>J &amp; M AM/FM/CB Antenna Adapter Converter</b> Converts Single CB antenna to provide Combination reception from the one antenna.	26.95
GWHT-1	<b>J &amp; M Hand Held Radio Bracket</b> Fits Honda GoldWing. Attaches to left hand control post, via Replacement Mount and Stainless Steel Screws. Unit will secure any Hand Held Radio or Scanner with belt clip.	36.95
GWHT-2	<b>J &amp; M Hand Held Radio Bracket</b> Fits all motorcycle handlebars. Attaches directly to handlebar with an all aluminum surrounding bracket and stainless steel screws.	44.95
AD78	<b>J &amp; M Adapter Harness for Kenwood Hand-Helds</b> This all custom adapter allows for conversion, via the speaker and mic plugs, to many popular Helmet Speaker/Mic assemblies.	39.95
ADAO	<b>J &amp; M Adapter for Yaesu &amp; Icom Hand-Helds</b> Same as the AD78 for Yaesu and Icom Radios. (Will fit others call with your specific application.)	39.95
GWHF	<b>J &amp; M Handle Bar Full Size Radio Bracket</b> Fits Honda GoldWing. Attaches to the underside of the handle bars and provides a removable crossbar bracket. The bracket provides a flat area of approx 10" x 3" to mount any manufacturers or aftermarket radio bracket. Unit will secure any radio under 10 lbs.	64.95

Electronic Times Carries a complete Line of Motorcycle and Communications Products  
J&M Corporation Custom Motorcycle Products  
Amateur • Business Band • C.B. • Scanners • Antennas • Accessories

# Electronic Times®

an M&M Communications Company

## Southern California's Communications Sales & Service Center

Featuring:  
J&M Accessories

Amateur Radio  
Citizens Band Radio  
Short-Wave / World Band Radio  
Business/Marine/Cellular  
Surveillance Equipment  
Antennas & Towers  
Enhancements  
Service & Accessories  
Installation Mobile and Base

*Congratulations  
M.A.R.C. -73 Magazine  
April 1994.*

- Kenwood
- Yaesu
- Icom
- J & M
- Ranger
- Clear Channel
- Uniden
- Cobra
- Midland
- Sony
- Panasonic
- National
- Magnavox
- Japan Radio
- AOR
- Bearcat
- Regency
- Sangean
- Daiwa

**Motorcycle Specialists**  
Over Twenty Years Experience  
First Goldwing Installations  
1975

**We Purchase,  
Recondition and  
Warranty Quality  
Previously Owned  
Equipment!**

**Custom  
Installation and  
Interference  
Specialists....**

**On-Site Marine...**

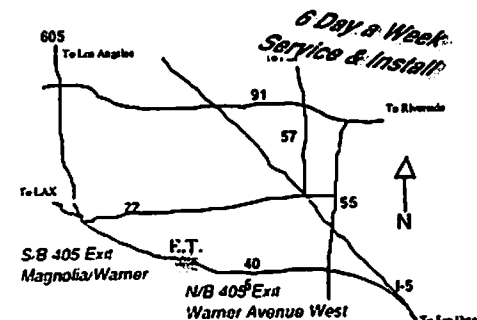
- Cushcraft •
- Wilson •
- Antenna Specist •
- Antron •
- Hustler •
- Francis •
- Firestik •
- Penetrator •
- Valor •
- Broadstick •
- Para Dynamics •
- Colt •
- Astron •
- Asatic •
- MFJ •
- Benchner •
- Turner •
- Shure •
- Amphenol •

## Electronic Times®

17054 Magnolia Avenue  
Fountain Valley, California 92708  
Phone: (714) 375-0388  
Fax & Modem: (714) 375-0389

S/E Corner of Magnolia/Warner Avenues  
At the 405 Freeway  
Sav-On Shopping Center

- Easy Off & On - Both Directions •
- Truck and R.V. Parking in Rear •





WE APPRECIATE YOUR PATRONAGE AT –  
**HUNTINGTON HONDA**

# 1 TOURING DEALER IN THE USA  
"THANK YOU ASSOCIATION MEMBERS"

*20th Anniversary Edition*



**Gold Standard**

1995  
SE  
ASPENCADE  
INTERSTATE

NEW  
LOWER  
SUSPENSION  
•  
NEW  
COLORS

COME TEST DRIVE\*\*

HONDA  
Come ride with us.

**UP TO \$2700<sup>00</sup> SAVINGS**  
**ON 1994 SE's, ASPENCADES AND**  
**INTERSTATES. "WHILE THEY LAST".**

**60 MONTH FINANCING - O.A.C.**  
**FEATURING: DON SCHMAL - Master Mechanic**  
**Professional Custom Accessorizing and Service**  
TRADES WELCOME – ALL WARRANTY WORK WELCOME  
FREE ACCESSORY INSTALLATION WITH PURCHASE.  
WE WANT USED GOLDWINGS – ANY YEAR!

**(714) 842-5531**

**HUNTINGTON HONDA**  
**(CORNER OF BEACH & WARNER)**  
**7911 WARNER AVENUE**  
**HUNTINGTON BEACH**



ALWAYS WEAR A HELMET, EYE PROTECTION AND PROTECTIVE CLOTHING, AND RESPECT THE ENVIRONMENT. Obey the law and read your owner's manual thoroughly. For rider training information, call the Motorcycle Safety Foundation at 1-800-CC-RIDER

\*\* QUALIFIED DRIVERS – CLASS M – AT DEALER DISCRETION



**"MARC" YOUR CALENDARS FOR THE COMING EVENTS!!**

- JUNE** 6,13,20,27-MARC HF NET(4 P.M. PDST, 20 METERS 14.340 USB)  
(5 P.M. PDST, 40 METERS 7.290 LSB +/- QRM) LOOK UP  
BEFORE LOOKING DOWN IF WE HAVE TO CHANGE BECAUSE OF QRM  
7,14,21,28-MARC 2-METER NET (8 P.M.) 146.985- PL 146.2  
10-MARC BREAKFAST MEETING 8 A.M. AT DENNY'S 22611 OAKCREST CR.,YORBA LINDA,  
91 FWY/WEIR CANYON/YORBA LINDA BLVD EXIT  
18-HAPPY FATHER'S DAY  
24-CORONA POLICE DEPT EXPLORER SCOUTS FIELD DAY 12 NOON
- JULY** 3,4,5,6-WING DING IN GREENVILLE, S.C.  
4-A SAFE & HAPPY FOURTH OF JULY  
4,11,18,25-MARC HF NET(4 P.M. PDST, 20 METERS 14.340 USB)  
(5 P.M. PDST, 40 METERS 7.290 LSB +/- QRM) LOOK UP  
BEFORE LOOKING DOWN IF WE HAVE TO CHANGE BECAUSE OF QRM  
5,12,19,26-MARC 2-METER NET (8 P.M.) 146.985- PL 146.2  
8-MARC BREAKFAST MEETING 8 A.M. AT DENNY'S 22611 OAKCREST CR, YORBA LINDA,  
91 FWY/WEIR CANYON/YORBA LINDA BLVD EXIT

(THE 146.985- PL 146.2 WB6RSD REPEATER, OUR CALL FREQUENCY 144.370 SIMPLEX, THE CONDOR SYSTEM, SCARA 440 SYSTEM, & 145.220 CLARA ARE ALL MONITORED 16-18 HRS A DAY)

**MARC**  
c/o RAY DAVIS KD6FHN  
3 LINDBERG  
IRVINE, CA. 92720-3367



**JUNE/JULY 1995**

NEXT MEETINGS: JUNE 10, 1995 8 A.M.  
DENNY'S AT 22611 OAKCREST CR, YORBA  
LINDA AT 91 FWY/WEIR CANYON EXIT  
JULY 8, 1995 8 A.M. DENNY'S AT 22611  
OAKCREST CR, YORBA LINDA AT  
91 FWY/WEIR CANYON EXIT