

**B.A.S.E. CLUB  
105 SERRA WAY #363  
MILPITAS CA 95035**

BULK RATE  
U.S. POSTAGE  
P A I D  
PERMIT NO. 721  
SAN JOSE, CA

     **A check here means this is your last issue.** To continue your membership in the exciting BASE Club and participate in upcoming activities, send \$25.00 for six bi-monthly issues, and mark "renewal."

DAVID BLUMER  
POB 795  
PACIFIC GROVE CA  
93350



# The Listening Post

## BAY AREA SCANNER ENTHUSIASTS (B.A.S.E.) CLUB NEWSLETTER

IN GOD WE TRUST - ALL OTHERS WE MONITOR



SEPTEMBER/OCTOBER - 1993

### NEW CLUB MEETING LOCATION AND SCHEDULE:

September 16 (Thursday): Topic to be announced.

October 18 (Monday): Topic to be announced.

Doors open at 7:00pm. Meeting is from 7:30 - 10:00 PM in the Community Room at the Milpitas Police Department, 1275 North Milpitas Blvd. This new location is approximately three miles north of the Milpitas Public Library where we formally had our meetings. One major rule change is that these meetings are now for members and invited guests only. We now have control over who can attend the meetings. This new location has ample parking and security. Bring your new or used equipment to demo, talk about, sell or trade. Bring those handouts to share. As usual, handouts are available to members. If you would like to donate bake goods or 'something' for a door, raffle or 'white elephant' prizes, bring them to the meeting. Hope to see as many of you as possibly that can make it. Allen (BASE 13) our Amateur Liaison Officer suggests hams in the club use 147.855 (-) (no PL) for talk-in and that CBers can talk-in on Channel 14 for directions and information if late, lost etc.

Do you know of anyone that you would like as a **Guest Speaker** at our monthly meeting? Let me know their name, expertise and how to contact them. Herman Frisch BASE 1 President

### NEW CLUB MAILING ADDRESS

Effective August 4, 1993, the BASE Club has a new mailing address. Please use this address for all Club communications:

BAY AREA SCANNER ENTHUSIASTS CLUB  
105 SERRA WAY #363  
MILPITAS, CA 95035

The Club's phone number will remain the same.

### WHAT'S IN THIS ISSUE OF THE LISTENING POST

I think that you are going to find a lot of interesting, exciting and informative information in your copy of *The Listening Post*. A compilation of interesting traffic from the Club BBS begins on Page 4. Our news articles begin on Page 22 with an in-depth look at **Maritime Freqs**. The **Aviation Industry Update** is on Page 23. If you live in **Santa Cruz County**, look for the many freqs and usage on Page 24. A great article on what it takes to own and operate a **commercial repeater** is on Page 27. Roger West's **Aviation Column** may be found on Page 28. Check out the **Movie & Film Production** company freqs on Page 28. A member's research on **Tone Decoders for Scanners** is on Page 29. A reprint of the **Monitoring Times** article on the **Anti-Cellular Scanner Law** is on Page 31. Our feature article this issue is about **Emergency Response Time in Siskiyou County** and is complete with frequencies starting on Page 32. The **Railroad Column** is on Page 35. Going to **Yreka**, check out the article on **Police and Fire** on Page 36. The first **MD-90** is flying and check out the **MD-90 Tour** on Page 39. We have two new **equipment reviews** in this issue. The **Uniden BC2500-XLT Review** may be found on Page 39 and the **Yupiteru MVT-7100 Review** is on Page 40. The flight of the **1st C-17** is on Page 42. **Commonly asked Aircraft Questions** on Page 43. A **review of the NOAA WP-3D** is on Page 43. Interested in **Wreck Chasing**, check out Page 43. **Computer Users** and the **White House** how-to may

be found on Page 44. Know what the **Gray Eagle Award** is? Find out on Page 45. I've snuck in a couple of extra pages this month (don't tell Herman or he'll cry again about the budget) to cover all of the fun-radio information that club members have provided. There are also many other articles too numerous to mention. We're constantly trying to improve the newsletter for you, our valued Club members. Send in your freqs, trip reports, equipment reviews, what you've heard, etc. Help the Club grow! I hope you enjoy this action packed issue as much as I did when putting it together. *Bruce Ames*  
Assistant Editor

#### **BASE CLUB NEWSLETTER DEADLINES:**

Nov/Dec 1993 is due here October 15, 1993.  
Jan/Feb 1994 is due here December 15, 1993.  
Mar/Apr 1994 is due here February 15, 1994.  
May/Jun 1994 is due here April 15, 1994.  
Jul/Aug 1994 is due here June 15, 1994.  
Sep/Oct 1994 is due here August 15, 1994.

#### **WE ARE VERY PLEASED TO WELCOME THE FOLLOWING NEW B.A.S.E. CLUB MEMBERS:**

**BASE 606:** Mark, San Leandro. Equip: HF, VHF, UHF, IBM Computer w/modem. Monitors: Marine, Ham, SWL, CDF, SAR, USCG. **BASE 607:** Dan, Daly City. Equip: PRO2008, BC210XL, COMP-100, BC210, PRO2026, Regency TurboScan 800, PRO39, BC100. Monitors: VHF/UHF, Aviation, 2mtr Ham, Public Safety, PD, FD. **BASE 608:** David, Pacific Grove. Equip: PRO2004, PRO2026, PRO2023, PRO46. Monitors: HF Utility, VHF/UHF, Ham, Public Safety. **BASE 609:** Terry, Visalia. Equip: BC200XL, PRO2011, Sony ICF6700W, RS DX440. Monitors: Military, SW, VHF/UHF, Utility. **BASE 610:** Anita, Oakland. Monitors: PD, FD, CHP. **BASE 611:** Rick, Daly City. Equip: PRO46, BC800XL. Monitors: SW, VHF/UHF, Military, Aviation, RR. **BASE 612:** Mario, Novato. Has several scanners and computers. **BASE 613:** Gary, Sunnyvale. Equip: PRO2006, PRO43, PRO34. Monitors: Public Safety. **BASE 614:** Don, Foster City. Equip: BC100XL.

**BASE MEMBERS EARNING MEMBERSHIP RENEWAL EXTENSION (MRE):** Paul (BASE 9), Tom (BASE 149), Warren (BASE 452), Howard (BASE 161), Mike (BASE 172), Bruce (BASE 108), Cliff (BASE 95) (2X) earned MRE's. You too, can earn BASE Club MRE's by signing up new members into the club. For each new member application that has your membership number on, we will extend your membership renewal date by one issue of the newsletter. If you would like to have a supply of BASE membership applications, send a business size SASE to BASE Club address. Be sure to write your membership number on the bottom of each application form when you pass out the applications at work, electronic outlets, to friends, your radio club etc. We are constantly distributing applications through the mail, at stores etc. and need more flyer applications. It is expensive to print more flyer applications. You can earn MRE credits also by taking our latest flyer application (revised 8/4/93), putting your BASE number on the bottom and running them off (copying them) through your sources. Give us the flyer applications you ran off and we will distribute these applications and if any come back you will receive the MRE credit. A true win - win.

**HELP NEEDED:** We want to take our 200+ paper handouts and convert them to word processing files. If you have a flat bed or a hand held optical scanner, we need to talk. Our paper handouts need to be scanned into files so that we can update, consolidate etc. If you can help, please write the BASE Club or call Herman (BASE 1) (408) 267-3244.

**A NOTE FROM HERMAN (BASE1):** I wish to thank the many club members who gave me hope, suggestions, ideas, etc when I was unemployed. I am happy to report that I am back to work. THANKS AGAIN!

The BASE Club welcomes SYDNEY (BASE333) of Milpitas to the BASE Club Board of Directors. SYDNEY'S position is Community Relations. Please welcome him. Herman Frisch, President

**BACK ISSUES OF NEWSLETTER** by Bruce Ames BASE 108 Ass't Editor

If you'd like a disk version of back issues of the newsletters - we now have them available in Word Perfect 5.1 format. This covers from the beginning issue in December 1990 and goes up thru the latest September/October 1993 issue. You can get them on two 5 1/4 high density, two 3 1/2 high density or three double density (720K) 3 1/2. Sorry, not available on 360K DSDD disks. The issues are in 2 files, 1990-92 & 1993. The disks are for sale at my cost for the disks and the profit goes to the Club for incorporation, laser printer, etc, etc. The disks will make a handy way to search on key words for freqs, information, and so forth. If you would like to take advantage of this offer, simply send me a check for \$7.50 and indicate the disk size that you want to the club address. The disks will be returned to you via 1st Class mail. The disks are virus checked.

We are still in need of a Railroad Editor for the newsletter. If interested, please see Herman (BASE 1) or Bruce (BASE 108).

**BASE CLUB BBS UPDATE**

For our non-BBS members, we include a listing of the BBS Round Table Forums and the topics discussed since the last newsletter. Outdated information may be printed if the R/T message includes frequency information.

**BASEINFO**

=From: base446 ===== Sent: Wed Jul 21

Subj: FRIB

*I would like to thank the BOARD for their hard work during the past few months with regards to our problem. Good work. BY BASE446, FRIB. FRIB.*

=From: base12 ===== Sent: Fri Jul 23

Subj: Gilroy Garlic Festival.

The Gilroy Garlic Festival starts Friday July 23rd and goes on through the weekend. Important Freq. for this Festival are Gilroy PD, 154.830 & 155.085 & 154.920. Morgan Hill PD. 155.115. Santa Clara Co. Sheriff. 156.210 & 155.415. Gilroy Fire 154.340 & Morgan Hill CDF, 151.445.. I will be their Sat. working plainclothes Security.

Rod Smith, Base 12, Public Safety Editor.

=From: base108 ===== Sent: Mon Jul 26

Subj: July-August 93 Newsletter

The July-August newsletter is back from the printer and Mike, Allen & Manuel worked a good part of Saturday assembling & stapling. It should go to bulk mail today or Tues. I think you'll find this is one of the most complete and interesting issues in a long time.

The newsletter team for this issue were:

Editorial Team: Herman F. BASE 1; Bruce A. BASE 108

Assembly Team: Mike H. BASE 144; Allen L. BASE 13; Manual C. BASE 111

Logistics Team: Herman F. BASE 1; Sam D. BASE 41

Interesting note: It took over 40 man-hours of volunteer time to put this issue together. This is not counting article writing or submission time. Hope you enjoy ....

Bruce Ames BASE 108 Ass't Editor

=From: base12 ===== Sent: Mon Jul 26

Subj: Gas leak in Richmond

At 7am this morning a RR tank car value broke and started leaking sulfuric acid into the air. Richmond Fire Hazmat units are on the scene trying to close the value. At 8:30am the CHP closed the FWY at Hwy 80 at the 780 interchange and by 9:30am were closing Hwy 17 in Oakland or should I say I Hwy 880. At 10:30am the toxic cloud started dissipating and the Freeways were opened again...

Rod Smith, Base 12, Public Safety Editor...

=From: base12 ===== Sent: Fri Aug 13

Subj: Pres Clinton in Bay Area

Pres. Clinton will be at Alameda Naval Air Station tomorrow 8-13-93 at 11am. NAS Alameda Guard Tac.3 150.075. Tac 4 150.375 Police 149.125 Tac.2, Fire, 149.075. 140.100.. Alameda Police, 488.5875, 488 3375, Fire, 154.130, 155.525

Rod Smith, Base 12, Public Safety Editor..

=From: base1 ===== Sent: Sat Aug 14

Subj: CLUB DONATIONS

I would like to thank the following BASE Club Members for their donations: Jim Z (BASE231) donated \$25 at the last meeting to use as we saw fit. Tim M (BASE391) donated the great Club return address labels 'Love' the scanner logo in the left corner. I and the board members along with the general members will benefit from these members donations and thoughtfulness. 73s de Herman, Prez.

=From: base12 ===== Sent: Fri Aug 20

Subj: San Jose Police, Radio Problems

Someone with a UHF Radio is Jamming SJPd radio channels at 9:50PM someone was playing Rap Music on SJPd CH-2 & 4 460.325 & 460.475. The Dispatcher Gave the FCC warning over the air. This has been going on for a couple of days. When they catch the guy they will put him so far back in a cell they will have to pump sunlight to him!!!!

Rod Smith, Base 12, Public Safety Editor.

=From: base108 ===== Sent: Tue Aug 3

Subj: WP 5.1 6.0 controversy

To end the discussion of Wordperfect 5.1 & 6.0 files - I will upload all future versions of the newsletter in ASCII text. However, please keep in mind, due to time constraints, this will be an ASCII conversion only. Members will be able to download the file but members will have to do their own formatting of the ASCII text such as columns, tabs, margins etc. Please drop me a note if anyone has better ideas.

Bruce Ames BASE 108 Ass't Editor

=From: base108 ===== Sent: Sun Jul 18

Subj: FRIB

You may start to see the acronym FRIB in various messages. FRIB was coined at the July 12th General Meeting and means "Fun Radio Is Back!" Bylaws, incorporation planning, personnel issues, and other non-radio functions are behind us. We can now concentrate on what made this club a success and fun in the past - playing and yakking radio. **FRIB - Spread the word!** Bruce Ames

=From: base475 ===== Sent: Fri Aug 6

Subj: Grove Database-Info. requested/Please

For a the past few months I've been watching all the "chat" about the Grove Database. For the life of me I can't find a basic description of it. Would someone give me a basic idea what this database is all about? I have used FileMaker Pro 2.0 extensively. I would also like to know the following: Cost, compatibility(I have a Macintosh), other applications required to run this program (I got the idea you might need FoxPro), what info. does the DB contain? Basically, I'd like to find out if it's worth it. Any feedback is welcomed. Thanks- Steve Base 475 FRIB

=From: base108 ===== Sent: Fri Aug 6

Subj: Grove Database - Steve BASE 475

The Grove database is a database that comes with a Foxpro "runtime engine" and includes some nationwide freqs. You also get a state of your choosing. For example, the CA DB has 295,000 entries and takes 100 MB free to install & slightly over 50 MB for storage. The program comes on (for CA) eight 3 1/2 HD disks. The data is in dbf file format. Grove gets the info from buying the master FCC tape. As far as I know, the DB is only available in DOS flavor, no Windows, no MAC etc. The new Version (3.0) is rife with bugs, extra data entries, etc. An update is due out in 3 weeks. Hope I answered all of your questions. If not, let me know. Regards.... Bruce

-From: base12 ===== Sent: Sat Aug 7

Subj: Santa Clara PD 800 System

Word has it that Santa Clara Police are going over to the 800 System sometime in November. When you quit hearing them on the old 460.150, the new Freq. listed for Santa Clara 800 system are as follows: 866.4375, 866.8125, 867.1625, 867.3875, 867.9375, 868.6625. When I hear them starting to set up the new Freq. I will let you know.

Red Smith, Base 12, Public Safety Editor.

-From: base1 ===== Sent: Sun Aug 8

Subj: Sonoma Co. Freqs

Base320 sent a message that he loaded up 'srosapet.frq' on the BBS files section. These are his favorite Sonoma County freqs. Tnx BASE320 de Herman BASE1.

AIRLINES

-From: base260 ===== Sent: Tue Jul 20

Subj: SOUTHWEST AIRLINES

OPERATING FREQUENCIES FOR SW ARE AS FOLLOWS:

OPS	131.7
MISC	133.325
RAMP	463.610/468.610

CRAIG BASE 260.

-From: base327 ===== Sent: Tue Jul 13

Subj: UFO sighting reported on Shortwave

On July 12 at about 1:50 am I monitored the following transmission from Qantas Flight 5 to AIRINC on 5547 mHz. Quote: "We have sighted a large green sphere. Our position 28N 142W." AIRINC requested a repeat and Qantas repeated the message. Did anyone else monitor this traffic? Also, does anyone know if Qantas 5 was enroute to SFO or LAX? No, I'm not a UFO freak and yes, this transmission scared the hell out of me. Any info appreciated. Marilyn, BASE 327.

-From: base108 ===== Revised: Wed Jul 14

Subj: Qantas Flt 5

According to a check done in the AA Sabre reservation system, QF 5 routing is from Sydney Australia, leaves at 1515 local time, and flies to Singapore with arrival at 2115 local. Aircraft is a 747-400 BTW you are a dyed-in-the-wool airplane buff if you know what Qantas stands for. Bruce Ames

-From: base327 ===== Sent: Fri Jul 16

Subj: The Qantas UFO

Thanks to everybody who's expressed interest and is trying to find out about the Qantas UFO sighting. Brett (Base 104), special thanks to you. With further monitoring of the CEP AIRINC freqs the last few nights I've noted that westbound Qantas flights mostly have three digit flight numbers beginning with 5. So you might ask your source to inquire about Qantas 526 (heard approaching Mendocino Wed. about 12:30 am) and 528, which was on a more southerly track. Meantime I'll do more research and leave a msg here if there's more to report. Marilyn, Base 327.

-From: base260 ===== Sent: Sun Jul 18

Subj: RENO AIR

As of Wed July 14th Reno Air started operations out of Terminal 'A' at the San Jose International Airport. They use the following frequencies:

OPS	131.325	
DISPATCH	129.575	
PASS SERV	460.775	(AMER. AIRLINES)
RAMP SERV	460.650	(AMER. AIRLINES)

American is assisting them in their passenger and ramp services. The two airlines appear to be working together to out do the other new arrival to Terminal 'A', Southwest Airlines.

=From base108 ===== Sent: Fri Aug 20

Subj: UAL & MT Convention

If you are planning on attending the Monitoring Times 93 Convention in Atlanta: United Airlines will be starting twice daily non-stop service between SFO & ATL. That's the good news. The bad news is that the equipment will be 737-300s. Service starts September 7. Bruce Ames BASE 108 Travel Editor  
AVIATION

=From base446 ===== Sent: Sun Jul 25

Subj: Livermore Air Show

I just came from the Livermore Air show. It was great. There was the usual flights & vendors. There was also some military-A-10 (Wort Hogs), Cobras, C-103, ETC. As well as a B-25, Consolidated, P-51's, CORSAIR, ETC. Some freq's are 118.10 & 368.70-TOWER, 121.60-GND, 128.20-Air Boss, 122.925, 122.85-Show, 123.025 Ride Copter's, 148.125-CAP, 811.9625-Show, 856.9625, 857.9625, 858.9625, 859.9625, 860.9625-Trunking Show support, Police & Fire.

=From base108 ===== Sent: Wed Aug 4

Subj: NAS Miramar Air Show

One of the country's largest and finest air shows will be held the weekend of August 14 & 15 at Naval Air Station Miramar. They are planning on over 150 military and civilian static displays to be featured along with FIVE continuous hours of flight demonstrations. The Navy Blue Angel's are the primo attraction at this show. Also advertised is a 40 foot tall 30 ton mechanical dinosaur, Robosaurus, who will grab and devour genuine aircraft. Les Shockley is also scheduled to appear in the Shockwave triple jet engine truck. Admission to the show is free. Check out last year Nov/Dec issue of The Listening Post for the latest Blue Angel frequencies. This issue is also on the BBS library as a file. Check out NAS Miramar on:

TWR	315.600	TWR sec	340.200
GND	380.800	CLNC	301.3
ATIS	280.400	PILOT/METRO	362.100
Top Gun	332.350	Top Gun	350.900

=From base1 ===== Revised: Sat Aug 14

Subj: New Freq

Robert (BASE132) asked that this be posted. He is not on BBS. Robert says that 13.3 USB has what sounds like corporate aviation on it. Sounds like a link between Hawaii and SFO. 73s de Herman.

=From base108 ===== Revised: Sat Jul 17

Subj: Invasion of The Warbirds

Be sure to check out the "Invasion of The Warbirds" Airshow this weekend at Tracy Municipal. This is an airshow of all WWII vintage airplanes. The airshow freqs that were in use today while I was there: 121.200 TWR; 125.000 GND; 49.085 Events/Parking; 149.15 Events; 151.625 Sound & Coordination; 154.570 Auxiliary. Not as much "flash & dash" as a Blue Angels show but still exciting to see these old aircraft in the sky. Other freqs in use were 122.900 CTAF; 123.85 Stockton APP; 126.85 OAK Ctr (was coordinating some sky divers); 155.370 Tracy PD; 154.310 Tracy FD; 155.160 Paramedics at show. To get to the Tracy airport from the Bay Area: Take 580 East to 205 East and get off at the Tracy Blvd exit (City Center). Head south on Tracy Blvd till you think you've gone too far and then go some more. The airport is on the far south side of town on Tracy Blvd on the righthand side. You can't miss it. Bring plenty of sun screen, hat, chair (no shade at all), a couple of radios, and your camera and you should be set. Bruce Ames BASE 108 Travel Editor

=From base108 ===== Sent: Sat Jul 17

Subj: Madera Invasion

The central valley town of Madera will host it's version of "Invasion of the Warbirds" on Sat/Sun August 21/22 with the warbirds flying in on Friday August 20. Madera is on Rt-99 about 30 miles north of Fresno. Madera Muni CTAF is 122.8 & Fresno Approach/Departure is 119.45 Bruce Ames BASE 108 Travel Editor

-From: base108 ===== Sent: Sat Jul 17

Subj: Selected West Coast Aviation Activities

September 4 - 6 - The Southern California Wing of the Confederate Air Force will have an open house at the Camarillo Airport & will feature warbirds and exhibits. Camarillo is in the Ventura area south of Santa Barbara. Call (818) 347-3339 for more info.

September 12 - Solano Cty Sheriff's air squadron will host an Aviation Flea Market at the Nut Tree Airport. Items for sale will be aircraft parts, clothing, hardware, computer software and memorabilia. Call (707) 447-2907. Date is September 12.

September 25 - FAPA Aviation Career Day at the SFO Hilton. Call (800) JET-JOBS X-190

October 2 - The Planes of Fame Air Museum in Chino will be the site of the 50th anniversary of the 15th Air Force formation and will feature the P-40, P-47 & the P-51. Call the museum at (714) 597-3722

October 16 - 17 - Hundreds of new and used airplanes for sale at the Aero Fair 93 at Riverside

November 6 - 7 - The California Coast Air Show at the Half Moon Bay Airport Fall Fly-In and Airshow featuring displays and top air show performers. Call (415) 726-3417

Bruce Ames BASE 108 Travel Editor

-From: base446 ===== Revised: Sun Aug 15

Subj: MORE SELECTED AVIATION ACTIVITIES

SEPT 3-4 - End of Summer Fly-in at Medera Municipal Airport. Static only.(209)225-1695

SEPT 4 - Planes of Fame air Museum at Chino Airport. Featuring pioneering jet aircraft.Admission is \$4.95 adults & \$1.95 under 12, free under 5. (714)597-3722

SEPT 4-6 - Long Beach Calif Air & Water Festival. (805)684-0155

SEPT 4-6 - Sailplane show in Tehachapi Calif.(714)496-5191

SEPT 9 -Mountain flying safety seminar, Sac Calif.(916)481-7826

SEPT 10-12 - The ninth West Coast National Swift Fly-in "Jackson westover" Amador County Airport.

SEPT 10-12 - West Coast IIPA fly-in for liaison aircraft & enthusiasts, Camarillo Calif. Barbecue & 1940-style dance.(619)753-4699

SEPT 10-12 - Chico Antique Airshow.(916)894-3218

SEPT 12 - Willits Aviation Day at Ells Field from 10-4pm. Radio-controlled demo fly-in. (714)459-4601.

SEPT 12 - Tustin MAS, Airshow Santa Ana Calif. (714)726-7361

SEPT 16-19 - Reno National Air Race. Reno-Stead Airport.(702)972-6663

SEPT 17-19 - West Coast Cessna 120/140 Club fly-in, Amador County Airport, Martell Calif

SEPT 24-25 - Fifth Annual Western Waco Reunion, Nut Tree Airport, Vacaville Calif.(209)962-6121

SEPT 24-26 - Great Western Fly-In at El Mirage Dry Lake. (504)683-3545

SEPT 25 - Calistoga Auto & Air Fair at the glider port. (707)942-6333

SEPT 25 - Lakeport maintenance seminar at Lampson field.(707)279-0259

SEPT 25-26 - Second Annual Bishop Fly-In. Antiques, classics biplanes, gliders, military aircraft & displays & more. Western BBQ & pancake breakfast. (619)873-8405

SEPT 26 - Palo Alto Airport Day

-From: base446 ===== Sent: Sun Aug 15

Subj: AIRLINERS ANNIVERSARIES

Douglas DC-1 first flight was July 1,1933

Dewoitine D.332 series first flight was July 11,1933

Sovoia Marchetti S.M.95 first flight was May 8,1943

Douglas DC-7 first flight was May 18,1953

Tupolev Tu-134 first flight was July 29,1963

-From: base108 ===== Sent: Fri Aug 20

Subj: Atlanta-Hartsfield New System

Atlanta-Hartsfield (ATL) is working to control weather delays with a new low-visibility landing system called Surface Movement Guidance and Control System. This new system will allow (predominantly) widebodies to operate when other airplanes have to circle or sit on the tarmac. Bruce

Ames BASE 108 Travel Editor

**BBS-HINTS**

=From: base9 ===== Sent: Mon Jul 26

Subj: Check for new messages

I would like to automatically check for new messages each time I sign on. When I select that option, I get: Do you want to check for new messages at log-in (Y/N) ? y  
rm: /u/base/members/base9/.nortcheck non-existent What's wrong? Paul

=From: base447 ===== Sent: Fri Jul 30

Subj: Grove Database

After installing the latest Grove database, I found that the lat. and lon. data takes up so much room when you print, that the other fields (licensee, city, etc.) are pretty much useless. I called Grove on 7/28 to find out if there is a way to prevent the lat. and lon. fields from being printed. I was informed that others had already complained, and that the entire product was being revamped. Everyone who has already ordered the database will receive new copies (gratis), starting in approximately two weeks. Definitely not a profitable product for Mr. Grove. Andy - N6QCY

=From: base108 ===== Sent: Sat Jul 31

Subj: Grove Database

As Andy said, Grove has got lots of problems with the Rel 3.0 of the DB. I received a letter this morning and the improved version will be free and have the following improvements:

- Missing services and licenses are restored
- Microwave listings are now included
- All data can be printed
- Lat/Long search has been corrected
- Duplicate records have been removed
- Wasted disk storage space has been freed
- Extraneous fields have been removed
- Search interrupt has been corrected
- Print speed is enhanced
- Glossary of US service codes has been expanded
- US Database is now complete
- Delete/remove freq capability is implemented
- Delete by county function to reduce DB size is added

The new version will be sent free of charge to Ver 3.0 registered users, according to the letter, in approximately 3 weeks. 10-12 for more details! Bruce Ames BASE 108 Ass't Editor

=From: base108 ===== Sent: Mon Aug 2

Subj: BASE 9 BBS Problem

Paul, I passed on your 7/26 11:34 message complaint to the SysOp at our 7/30 Board of Directors Meeting. Sam said he would look into it. FRIB Bruce Ames BASE 108

=From: base108 ===== Sent: Wed Aug 4

Subj: Hawaii FYI

The State of Hawaii, along with businesses in the private sector, sponsor a Bulletin Board Service called Hawaii FYI. This BBS has many areas & can give you all sorts of info about our 50th state. The current parameters are 7E1 but will change in the next few months to 8N1 as new network software comes online. The BBS is at (808) 536-7133. You can get more info at [voice] (808) 586-4636. As I do business in Hawaii, FYI is a great research tool. Aloha bruddha! Bruce Ames BASE 108 Travel Editor

=From: base31 ===== Sent: Sat Aug 7

Subj: RE GROVE DATABASE INFO REQUEST

Structure for database: D:\FREQ\FREQUENC.DBF

Number of data records: 298269 (California)

Fld	Field Name	Type	Wid	Dec	Fld	Field Name	Type	Wid	Dec
1	CITY	Char	12		13	LONG_MIN	Num	2	

2	STATE	Char	2	14	LONG_SEC	Num	2	
3	FREQUENCY	Num	12	6	15	TX_ANT_TYP	Char	10
4	SERVICE	Char	2		16	CLASS	Char	4
5	CALLSIGN	Char	10		17	ERP_UNIT	Char	2
6	LICENSEE	Char	30		18	POWER_UNIT	Char	2
7	EVENT	Char	1		19	POWER_OUT	Char	8
8	COUNTY	Char	20		20	ERP	Char	8
9	LAT_DEG	Num	2		21	EMISSIONS	Char	15
10	LAT_MIN	Num	2		22	TX_ANT_HGT	Char	9
11	LAT_SEC	Num	2		23	TX_ANT_EFF	Char	5
12	LONG_DEG	Num	3		** Total **		166	

Hope this has helped answer your question further. Regards, Don McRoberts

=From: base31 ===== Sent: Sat Aug 7

Subj: RE: GROVE DATABASE INFO REQUEST

Continuation of my previous reply due to a 20-line input limit..... As mentioned earlier, there are currently numerous problems with V3.0 of the Grove database. A new release is due out from Grove in about three weeks to all currently registered users. You do not need to purchase FOXPRO or dBASE since the software included uses a run-time version of FOXPRO routines. Since I also have dBASE IV V2.0 but not FOXPRO, I am able to produce my own individual reports, searches, etc tailored to my own specifications. Considering the content of the data files, I find it to be worth the cost. The files for CA include all FCC licensees for 1993. Also included is a US licensee registration with the same data file format. There is a LOT of information in these files which partially explains why the file sizes are so big (i.e. 298269 data records for CA & US files). There are quite a few duplications so the new release will hopefully correct the problem and thus reduce the 100MB installation problem. Regards, Don McRoberts

=From: base31 ===== Sent: Sat Aug 7

Subj: FILES MENU - VARIOUS LIST SORTS?

One more time..... How do you list files by DATE, or UPLOADER? All listings seem to default to FILENAME sort order. As I mentioned in an earlier unanswered message, the sort listing function on this BBS does not seem to be working at all! Any hints or ideas would be appreciated. Thanks, Don McRoberts p.s. The apparent new feature of letting you know there are 'n' new files loaded is really nice! Thanks!

=From: base31 ===== Sent: Fri Jul 9

Subj: BBS QUESTIONS

Three questions;

- 1- The CATALOG file currently consists of 0 bytes and thus is empty.
- 2- How do you get the file listing in the files menu to sort by the various sorts indicated in the command line? I have tried all different combinations of "D", "d", etc. etc. to no avail. Is this a feature that just isn't available at the present time?
- 3- Will we ever have the ability to download more than one file at a time? Also, there are much more efficient transfer protocols which are currently available on most other BBS's. Regards, Don

=From: base47 ===== Sent: Thu Aug 12

Subj: Keyword

I've found that once I've searched a topic for a particular keyword (using option 3 from the menu) I am stuck with that keyword, both for that topic as well as any other I try during the same session. Is this intentional? Could it be changed? Andy - N6QCY

CB

No traffic this month

**EQUIPMENT**

=From: base154 ===== Sent: Mon Aug 2

Subj: Bearcat 2500XLT

I recently purchased the New Bearcat 2500XLT and I have uploaded a short review of my first impressions Brett BASE 154 [ Ed note: Brett's review appears in its entirety in this issue of *The Listening Post* ]

=From: base1 ===== Revised: Fri Aug 13

Subj: Jupiteru MVT-7100

Barry (BASE597) sent this in: A buddy of mine just received a new Jupiteru MVT-7100 from ACE Comm. He had called ACE to inquire when they would get them, they said they had them in stock and ready to ship. He asked if the MVT-7100 still had the cellular freqs intact and they said yes. Well--upon receiving the MVT7100, he tried the cellular band and it was removed. No 860-890Mhz. Check out the MVT7100 before you buy it. 73s de Herman. [ Ed note: There is also a review of the MVT-7100 in this issue ]

=From: base606 ===== Sent: Sat Aug 14

Subj: Pro43 Reset

The pro43 can be reset by:

1. Turn power off
2. press and hold <clear> + <0>
3. Turn power on with both keys depressed.

WARNING: ALL MEMORIES WILL BE LOST !!! Also, see page 13 of the owners manual for above info. You may notice the power-saver "feature" (which I dislike): The radio will go "standby" for a second, then listens for 0.25 sec. See page 21 of manual. This causes squelch to break on an otherwise silent channel. LOW BATTERIES or plugging in an ac adapter which itself is not turned on - causes an annoying beep + lcd blackout every second. Hope this helps, mark base606.

=From: base108 ===== Sent: Mon Aug 23

Subj: DDI Demo Program

I've uploaded into the "Equipment" subject on the Files Library a copy of "DDIDEMO.ZIP" This is a computer demonstration/simulation of the DDI Cellular Tracker that the BASE Club demo'd late last year. Bruce Ames BASE 108

=From: base155 ===== Sent: Fri Jul 9

Subj: PRO-43 problems

I have a PRO-43 and it seems to have a weird problem. When I am listening to a channel, the radio seems to lose all receive sensitivity for about a half of a second, then it receives normally. This happens about every 15 seconds or so and is a problem in that if I am scanning channels and the radio "blanks" it takes off scanning again. Any ideas short of sending it back to R.S.??? It has the 800 mhz mod so I don't know if R.S. will even repair it. Is there a Microprocessor reset???

=From: base154 ===== Sent: Sat Jul 10

Subj: Pro-43 problem

Well from your description, it sound a little like the Priority circuit. This maybe a dumb question, but is the priority active? If not, does it work normally, both in scanning and manual modes (priority sampling)? I don't currently own one of these so I'm not sure about the reset, but the Pro-200X series has a reset button on it. I also seem to remember another reset, if you hold down the reset button while turning on the power, I know it will clear all memories and reset some things, but I don't know if this is a total reset. You can try it, but you'll probably loose your memory (on the scanner that is). I just tried it on my 2005 and it worked. Brett BASE 154

=From: base155 ===== Sent: Sat Jul 10

Subj: PRO-43 problem

The radio is not in the priority mode, and the priority mode appears to work fine when selected. There is only a clear button on the PRO-43 that would come close to a reset button, however it has no effect when holding that down and turning on the radio. Any other ideas from anyone else???? Tnx for help Brett/ Jim Base155

=From: base154 ===== Sent: Wed Jul 14

Subj: Computer controlled R7000

Is there anyone else using the 801SCAN program to control their Icom R-7000 or R-9000? I have over 3000 frequencies stored in about 350 banks and I would like to trade/share with anyone else using this program. I don't see it advertised any more, but it is the best program I have seen. Operation is so simple I learned 90% of the functions without reading any instructions. Brett Base 154 N7OLQ

=From: base155 ===== Sent: Thu Jul 15

Subj: Icom r-7000 computer control

Brett, I use the Delta Comm computer control for my r-7000. I have not used it in some time now. I like the way the program "feels". Maybe we could programs some time and see how we like the other version? I do not have a large data base for the Delta Comm program. Let me know. Jim

**FEDERAL**

No traffic this month

**FIRE**

=From: base154 ===== Sent: Mon Jul 26

Subj: San Jose Fire stat-alert

I usually just ignore the sound, but I was wondering if anyone knows the use of stat-alerts on 154.010? What type of code is it? How can they be decoded? Why do stat-alerts sometimes cover up transmissions? Any info would be helpful. Brett Base 154

=From: base266 ===== Sent: Fri Jul 16

Subj: campbell fire merged with central fire

Campbell fire has merged with Santa Clara County Central Fire Dist. Campbell's old Fire Channell 153.905 is no longer in use. Catch Campbell on Central Fire's Channel which is 154.250. Campbell Fire is Engines 10 and 11. Central Fire has added a Battalion Chief 3 and Truck Company 5 to support Campbell's response area

=From: base154 ===== Sent: Tue Jul 27

Subj: stat-alert

Today I heard a code-99 test on a hand-pack of a SJPD officer. Code 99 button is used for officer down type situations. The interesting thing is that it sounded just like the stat-alerts used by the SJFD. Is this possible to decode? Brett Base 154

=From: base598 ===== Sent: Wed Jul 28

Subj: Stat alerts

As far as I know it would not be very easy to decode the stat alerts and it seems to me that the SJFD hasn't even figured their own system out very well. The alerts are used for the units in the field to notify dispatch of their disposition. This in theory would cut down on unnecessary voice traffic.

=From: base108 ===== Sent: Wed Aug 4

Subj: U.S. Forest Service

There is an excellent article beginning on Page 32 of the Aug/Sept issue of Smithsonian Air & Space magazine about the U.S. Forest Service "Smokejumper" team. The article profiles the team based in Region One - Montana & Idaho. Looks like the magazine will carry a multi-part series on "Fighting Fire From The Air". Bruce Ames BASE 108

=From: base31 ===== Sent: Sun Aug 22

Subj: OAKLAND HILLS FIRE FREQS??

I understand there will be a full-fledged test of the fire-fighting communications systems for fires in the East Bay hills around Oakland today (Sunday, 8/22) and again during the week next week. Can someone please post on this BBS, the suggested frequencies to monitor. The news report indicated everything, including fire equipment, would be as realistic as possible. Only the fire would be missing! Thanks, Don McRoberts

=From: base598 ===== Sent: Mon Aug 23

Subj: FIRES - SAN JOSE

Two large fires broke out in San Jose on Sunday. The first fire was a fast moving apartment fire

located at the French Quarter Apartments on Bascom Ave. near Southwest Exp'y. The fire quickly erupted into a six alarm blaze that required over 120 fire fighters from more than three agencies to finally bring it under control. There were four minor injuries to fire fighters and one resident was forced to jump from a second story window. This fire moved through the third and second stories and gained extension through the attic of the building. Second fire broke out last night at a print shop located on Old Bayshore Road near 10 th Street, across from San Jose Fire Station 5. This blaze appears to be of a suspicious nature and quickly moved to four alarms as over 60 fire fighters were needed to bring it under control. Both fires are still being tended to this morning in an effort to prevent any further outbreak. Exciting listening as both of these fires burned so hot and fast that VACATE orders were issued at each of them. Unfortunately 36+ residents were displaced by the apartment fire. BASE 598, Campbell

#### **FOR SALE**

=From: base608 ===== Sent: Thu Aug 12

#### **Subj: FREE!**

Old Moto stuff-VHF, control heads, Converta-coms. Right outta Adam-12. Also a 4' Equipment rack You haul. also several telephone headsets, modular and plantronics. Help clean out my garage. David

=From: base108 ===== Revised: Sun Jul 18

#### **Subj: AR-1000 Still For sale!**

Wanted - A Good home for my AR-1000.... AR-1000 Scanner w/antenna, 4 nicads, earphone, & Bornstein's "Guide To The AR-1000" plus original factory documentation. Used very little as a back-up scanner. \$275.00 firm. Good price for this radio and it's capabilities. If interested, please leave private E-mail. NO PHONE CALLS! Bruce Ames BASE 108

=From: base108 ===== Sent: Sun Jul 11

#### **Subj: Letter Quality Printer**

For sale - cheap! Fortis DX-15XL Letter Quality Printer (daisy wheel). \$30.00 includes Centronics printer cable. Printer is in perfect shape. Bruce Ames BASE 108

#### **GMRS**

=From: base420 ===== Sent: Fri Jul 23

#### **Subj: what is gmrs?**

I would like to know if anyone out there can tell me what gmrs is ? thanks, dean / base 420

=From: base108 ===== Sent: Mon Jul 26

#### **Subj: GMRS - What is it?**

Check the July/Aug newsletter for an in-depth article on GMRS by Sam Dunham, our club VP. Sam will tell you everything about GMRS, uses, the freqs, how to get licensed, etc. Bruce Ames BASE 108

#### **HAM**

=From: base451 ===== Sent: Mon Jul 19

#### **Subj: MFJ 1270 TNC Help**

Hello to All, As usual I opened my mouth and inserted my other foot... I was talking to a "new" ham this morning and he is requesting help on getting information on how to set up and use an MFJ 1270 TNC. Seems that he got one with out a manual. I thought I had the basic TNC commands in a file, but it seems like I either lost or erased the file. If anyone out there can help it would be appreciated

Thanks in advance, Wayne, WD6DZS

=From: base154 ===== Sent: Mon Jul 19

#### **Subj: Packet Commands**

Here are some of the basic commands:

L (list messages)

I 1399 (list back to message 1399)

LL 100 (list last 100 messages)

L 25 99 (list messages from 25 to 99)

RM (read mine- Read messages addressed to you)

R 231 (read message number 231)

KM (kill messages addressed to you)

SB SALE @ ALLUS (this is the command to send a for sale message to allus)

The above are all BBS commands -not to be confused with TNC commands. Here are some TNC commands:

Control-C (^C) gets you the CMD: prompt which is required for all TNC

commands. To connect to some one type c n7olq or c n6ldl

There are many settings in the TNC that you can experiment with, but a manual is required to understand them all. The default settings are probably ok to get you running. You MUST enter MYCALL XXXXXX where XXXXX is the callsign of the user. Typing MYCALL with no callsign will return the callsign that is programmed. When connected you can type B for BYE or at the command prompt (CMD:) you can type D for disconnect

=From: base31 ===== Sent: Tue Aug 3

Subj: NEW HAM LICENSE SOFTWARE UPLOADED

I have just received the latest versions of all of David Barker's HAM license question and sample test SHAREWARE routines. All have now been uploaded into the HAM file area. ENJOY!! All files are in compressed self-extracting format. All files have been tested for virus content both prior to and after running the self-extraction files. Test was made with McAfee's current version (6/93) SCAN software.

Regards, Don McRoberts

=From: base90 ===== Sent: Sun Aug 15

Subj: Amateur Hang Glider Freq.

Check 144.115 and 146.415 for local bay area hang gliders. lots of activity on weekends. 73 Jim, WB6QZL, San Jose

**HISTORY**

=From: base403 ===== Sent: Sat Jul 17

Subj: Demonstration

Saturday July 17: There's a big Planned Parenthood demonstration in San Mateo, with lots of activity on San Mateo PD 488.3125, 482.9875, Green channel 488.8875, and Fire 153.95. Mike McFaul BASE403

=From: base108 ===== Sent: Sun Jul 18

Subj: GeoClock 5.0

Latest version (5.0) of GeoClock has been uploaded to the Software Library for you GeoClock fans.

Filename is GEOCLK50.ZIP Bruce Ames BASE 108

=From: base9 ===== Sent: Wed Jul 21

Subj: New scanner law in Chicago!

A new and scary law is on the horizon in Chicago. Download the file CHICAGO.TXT which is located in the Public File Category "news". Time is of the essence!

=From: base9 ===== Sent: Wed Jul 21

Subj: Try America Online for FREE!

Go to the round table message section "news" for information on getting one month of free online time from America Online! Very much worth your while!!

=From: base144 ===== Sent: Sun Aug 1

Subj: Large Grass Fire In S.F.

S.F. is working a Large Grass Fire in S.F. the working Freq is 488.7625

=From: base31 ===== Sent: Fri Aug 6

Subj: Mt. Hamilton manhunt

San Jose PD and Santa Clara Sheriffs Office are conducting a search of the Mt Hamilton area around Grant Ranch Road for a person who shot and killed a woman and wounded a Sheriff's officer. Command post ops are on 155.415. Three helicopters are assisting, CHP, San Jose, and ?. Callsigns are Eagle 1, Eagle 2 and ?. Regards, Don McRoberts

=From: base108 ===== Sent: Fri Aug 6

Subj: Mt. Hamilton Ops

Other freqs in use for the good guys hunting for the bad guy are: 156.210 Berryessa Primary, Control

5 154.875 & Control 6 155.7 CHP Helicopter 30 is also up. Search is now on in the Smith Creek Ranch area Bruce Ames BASE 108

=From: base556 ===== Sent: Fri Aug 6

Subj: Shooting scene still active

Incident command for the shooting on Mt. Hamilton is still active on 156.210 This incident could continue for quite awhile.

**HOT**

=From: base446 ===== Sent: Sat Aug 14

Subj: Sailing Activity on Marine freq's

Check out Marine CH#16 (156.8) & Marine ch#68 (156.425). Sail races at Oyster Point in progress now. Most activity on ch#68. They monitor CH#16. I heard one conversation to a first mate. I wonder where the "SKIPPER" was.

=From: base446 ===== Sent: Sun Aug 22

Subj: AIRCRAFT DOWN AT EASTRIDGE MALL

Check SJ Police/Fire for traffic re downed aircraft. Just heard this reported on 444.8 repeater.

=From: base598 ===== Sent: Mon Aug 23

Subj: FIRES - SAN JOSE

Two large fires broke out in San Jose on Sunday, the largest being a six alarm blaze at the French Quarter Apartments located on Bascom Ave. and Southwest Expy. Mutual Aid was called as over 120 fire fighters worked d the fire. Another fire, four alarms broke out last night at a print shop.

=From: base1 ===== Sent: Thu Aug 12

Subj: Prez Freqs

The Prez will be at Alameda Thursday, 8/12, check 127.05 Alameda Tower and 149.125 Alameda Base Security. The Secret Service channel has 'white noise'. 73s

=From: base144 ===== Sent: Sat Aug 14

Subj: grass fire Milpitas

Milpitas Fire is working a Large Grass fire 460.625 154.28 151.16 strike teams are rolling

=From: base1 ===== Sent: Sat Aug 14

Subj: More Prez Freqs

This info relayed from 'Red Carpet' radio. Oakland was using Argus 1,2,3 helo for prez visit. Alameda NAS: Security 149.125, Fire & Crash 140.1, Approach 134.5. Secret Service Freqs: 407.850, 415.700, 167.900 Lemo, 168.7875, 167.825, 165.2125, 166.700, 164.8875, 166.5125, 164.650.

=From: base598 ===== Sent: Sun Aug 15

Subj: Fight San Jose P.D. East

Monitoring San Jose P.D. channel 3 at 11:50pm with a dispatch to a large fight (300+) with several injuries and two confirmed stabbings on Fowler Rd. Two districts wiped out with at least 12 units on scene. BASE 598

**MEDICAL**

No traffic this month

**MILITARY**

No traffic this month

**NEWS**

=From: base108 ===== Sent: Mon Jul 19

Subj: Check this out!

Call (800) 235-1414 & you'll hear a strange message but it will repeat your phone number back to you Might be interesting if you are ever doing some covert work trying to find out what number goes with a particular phone. The recording will also go on to tell you about specific call blocking by calling a 1-900 number. You also can find out about "Full Disclosure" magazine. Bruce Ames BASE 108

=From: base108 ===== Sent: Mon Jul 19

Subj: Operation Rescue

The local "C-Message Weighting" system is stating that Operation Rescue is using 456.9625 in Houston

Anybody try them here in San Jose? Bruce Ames BASE 108  
-From: base154 ===== Sent: Mon Jul 19

Subj: Operation Rescue

I monitored the Operation rescue frequency for about an hour on sunday but didn't hear any action. They may only be using low power hand-helds. Brett BASE 154  
-From: base9 ===== Sent: Wed Jul 21

Subj: Try America Online for FREE!

Try out a national Computer Bulletin Board, "America Online", for one month for FREE. You also get 10 hours free online time. Features include database access to the San Jose Mercury News and the Chicago Tribune. This system also has Ham Radio and Scanner hobby sections, plus many, many more features. Try it, it's free! You can't loose! Call San Jose Mercury News for a free sign-on kit, 408) 920-5200. (Use the Chicago Tribune database feature to keep track of the proposal to outlaw scanners in Chicago!)

-From: base108 ===== Sent: Thu Jul 22

Subj: America On-Line

America On-Line (AOL) has been around for several years as a MAC BBS. A couple of years ago they also ported over their environment to support DOS. AOL uses Geoworks as the windowing environment. I have tried AOL several times, twice as a BETA site and once as a "free, try-er-out" customer. IMHO - their software is kludgy & buggy. I could always get downloads to go OK but uploads was a hit-or-miss operation. The one thing that is important for us, free or not, is that the ham radio, scanner & SWL sections do not have much to offer & limited participation. Maybe their audience will grow now that people are bailing out of Prodigy left & right due to Prodigy now charging heavily for BBS usage. For my buck, if you want national coverage with people that know what they are talking about along with lots of great radio SW, you just cannot beat CompuServe.

Bruce Ames BASE 108

=From: base108 ===== Sent: Thu Jul 22

Subj: New Scanner Law in Chicago?

Be sure to read the text file uploaded on the Public Library submitted by BASE 9 on the proposed scanner law on the table in Chicago. The draft of this law will be downloaded and discussed at the August 9 BASE meeting. We should all read this proposed law and send our comments to the Chicago lawmakers. To paraphrase the guy that is always trying to save drive-ins, "Without eternal vigilance, it could happen here"! Thanks to BASE 9 for alerting us to a situation that is potentially much more horrendous than the FCC ban on 800 scanners & ECPA. Bruce Ames BASE 108

=From: base435 ===== Sent: Sun Jul 25

Subj: Chicago Scanner Law

I understand the strict Chicago anti scanner law died an early death. It is apparently being replaced by a watered down version which calls for fines if a scanner is used in the commission of a crime.

=From: base108 ===== Sent: Mon Jul 26

Subj: New Cell Sites

GTE MobilNet has completed a retune on cell sites in Berkeley, Oakland, El Sobrante, Richmond and portions of the Bay Bridge. They have brought on-line a new downtown Berkeley site. The site is on Oxford St & University Ave. This site is to provide improved coverage to UC Berkeley Campus & Lawrence Berkeley Labs and to provide coverage for Peoples Park, Telegraph Ave, Shattuck Ave and parts of the Berkeley Hills. GTE, MobilNet is also soon to bring on-line the San Francisco Van Ness cell. This site will cover north & south along Van Ness from Sacramento to Howard; west to Divisadero along Geary Turk Fell & Oak; and east to Leavenworth. This site is also targeted to improve Market St. coverage. Bruce Ames BASE 108 Ass't Editor

=From: base108 ===== Sent: Wed Aug 4

Subj: Sunnyvale Itinerant

If you're in the Sunnyvale area, tune into Itinerant freq 151.625 afternoons 1530-1730. Some family is using it for general family usage. Signal is reported strongest in 101-Fair Oaks Ave area. Bruce Ames

=From: base154 ===== Sent: Sat Aug 7

Subj: News media "two-way"

Can someone tell me what the News crews are speaking of when they say "talk to me on the two-way radio". I hear them say this while they are talking on 450 MHz. I do not think they are referring to a telephone either since sometimes they say "the phone OR two-way". Can someone help me out on this? I would like to follow the conversation if possible when they go to "two-way". Brett Base 154

=From: base1 ===== Sent: Mon Aug 9

Subj: New Ham

Darryl (BASE60) called this in. He has passed his FCC 'New Technician' exam last week. And he can't wait for the 'ticket' in the mail so he can begin a 2-way. Herman (BASE1).

=From: base447 ===== Sent: Thu Aug 12

Subj: "Two-way"

Brett, I would have guessed that the news crews were referring to a cellular phone, but since you've heard them referred to separately, I'd guess that they either treat the normal hard-wired phones differently from the cell system or they are referring to the microwave link used to send the audio/video back from the field. Let me know if you find out for certain. Andy - N6QCY

=From: base1 ===== Sent: Sun Aug 15

Subj: Shoreline Freq

This message is passed along from Ralf (BASE72) who is not on the BBS. Interested in Shoreline? Try 469.500 for their security. 73s de Herman

=From: base1 ===== Sent: Sun Aug 15

Subj: KFAT Lovers

This message is from Ralf (BASE72) who is not on the BBS: "Some of the old KFAT DJs are now on KPIG Watsonville. Listen to 107.5FM. If you need help with an outside antenna designed to boost reception, let me know." If you would like more info, send email to 'base1', request info on the BBS or write to the club address and I will forward your requests/comments to Ralf (BASE72). 73s de Herman.

**POLICE**

=From: base108 ===== Sent: Fri Jul 30

Subj: SPD & Cell Phones

Did anyone catch the segment on last Saturday's (7/24) KTVU Chan 2 10 o'clock news regarding the San Jose "Operation Rescue"? There was a small piece regarding the San Jose PD & their "special use" encrypted cellular phones. The PD spokesman on this piece said that they use these phones for special operations where they don't want sensitive traffic over their normal PD channels. The film footage gave a brief view of the aluminum case and the phones inside. The case looked like one of the Haliburton cases. Bruce Ames BASE 108

=From: base556 ===== Sent: Mon Aug 2

Subj: New frequency for Mid-pen Rangers?

Midpeninsula Regional Open Space District Rangers recently moved to a new frequency, they are now being dispatched by Mountain View. Does anyone know the new frequency?

=From: base595 ===== Sent: Thu Aug 5

Subj: New Placer Co Sheriff Frequencies

I just returned home from a trip to Lake Tahoe and while I was there I discovered that Placer Co (S) has changed their frequencies. I was able to figure out (using Police Call) that the Tahoe City units use 161.505(R) as their primary. Does anyone know what the rest of the channel assignments are for the rest of the county. Also this new primary frequency is right in the middle of the railroad band. Has the FCC started reallocating RR frequencies? Richard S (Base595)

=From: base154 ===== Sent: Sat Aug 7

Subj: FM?

I have noticed San Jose PD using the term FM in their conversations. Does someone know what this stands for? My best guess is that it means a Few Minutes, but I'm not sure. Can someone clarify

this? Thanks Brett Base154

-From: base431 ===== Sent: Sun Aug 8

Subj: Alameda PD

Does anyone have the current radio codes for the Alameda PD? Apparently they do not follow the standard codes as other East Bay PD's. I like to know what's happening, especially if it's going on in my neighborhood. I would appreciate any help. Take Care.

-From: base447 ===== Sent: Thu Aug 12

Subj: FM

Brett, You're right; FM is short for few minutes. Andy - N6QCY

**RADIO MODS**

-From: base266 ===== Sent: Sat Aug 7

Subj: scanner mod.

I would like to increase the Selectivity, Sensitivity, and adjacent rejection for my AOR 950 Scanner!

Does anyone know how to do this? I will pay for your services

-From: base307 ===== Sent: Tue Aug 17

Subj: PRO-49 mods?

My brother just got a PRO-49 scanner. Anyone know of any mods for it? Martins BASE307

**RAILROADS**

-From: base108 ===== Sent: Fri Jul 16

Subj: Inexpensive Railfan Excursion

The Central Coast Chapter of NRHS has a limited number of \$35.00 tickets for the Project 2472 equipment move for the Tracy Bean Festival. The \$35 is a trip behind ex SP 2472 in a "Daylight" coach from the South City Caltrain Station to Santa Clara or Oakland. The date is Wed July 28 at 1220 and arrives Oakland at 1600. You can ride Caltrain #51 from San Jose up to catch the steam trip. You can return from Oakland by bus to BART to SF for Caltrain or BART to Fremont for #180 bus back to San Jose. All transportation outside of the steam train is at the passengers expense. This trip is to support the move of 2472 & the Daylight coaches from Oregon for the Bean Steam Train later that weekend.

**SERVICES**

-From: base1 ===== Sent: Sat Aug 14

Subj: VIDEO SERVICES

This was received from Sydney (BASE333) and request to be put the Services Section of the BBS: VIDEO-OGRAPHY by "Sid". Weddings, Birthdays, Anniversaries, Memorable Occasions. Sydney Mann (415) 876-5676. 73s de Herman

**SHORTWAVE**

-From: base13 ===== Sent: Sun Jul 25

Subj: SWL PROGRAM

There's an interesting DX type program on Radio Japan called Media Roundup. It's on Sundays, 1720 utc or 10:20 am local time. on 11.865 mhz. This week's featured topic was a receiver review on the Sony SW77 receiver by Larry Magne from Monitoring Times & the Passport to World Band Radio. Also heard was the week's propagation forecast. Allen, Base 13

-From: base327 ===== Sent: Fri Jul 16

Subj: SWL

For Noel, Base 14: Glad to know you listen to s/w. Your DX 440 is pretty much the clone of my Sangean ATS308A, now almost 3 years old and still cranking in great reception especially on utility bands (maritime and aircraft). If you want to improve reception on your 440 you might consider buying a Grove TUN-4 unit, available thru Grove Enterprises and advertised in their catalogue and also Monitoring Times. It costs about \$150 and boosts signal strength in some bands by as much as 50 percent and close to that overall. It comes with an indoor antenna, long enough to run around the perimeter of a room or up into an attic or loft. I have my unit plugged into both the indoor antenna and my outside longwire (60 feet) so can switch back and forth. Amazingly, sometimes the indoor antenna works better than the longwire, depending on propagation conditions and time of day. No

suggestions for you on monitoring pirates (not an interest of mine) except to check MT's pirate and utilities columns as they often list frequencies. Good luck and 73's, Marilyn, Base 327.

#### **SOFTWARE**

=From: base108 ===== Sent: Wed Jul 21

##### Subj: Flight Simulator 5.0

The updated version 5.0 of Flight Simulator is due to be released on August 1.

=From: base108 ===== Sent: Wed Jul 21

##### Subj: Frequent Flyer Manager

The new version of a Frequent Flyer Manager (4.0) is shareware and is scheduled to be uploaded to CompuServe on 7/25. File name is FFLYER.EXE & should be in one of the IBM Libraries.

Bruce Ames BASE 108

=From: base420 ===== Sent: Sun Jul 25

##### Subj: flight simulator

i currently have flight simulator 4.0 but have never used one of the optional scenery disks. has anyone out there tried 4.0 with a disk ? what does it really add to the program ? does it improve the graphics of the scenery? ? if anyone knows, please drop a line thanks, dean base 420

#### **TRAVEL**

=From: base14 ===== Sent: Sun Jul 18

##### Subj: Heard in Detroit

I just got back from a brief trip to Detroit, and the Frequency info provided by Bruce (base108) was a big help. If you enjoy listening to Police action, Detroit is the place to visit (but not live). Two reasons: 1) They speak in English, not codes. Even if you know the penal codes, it makes for better listening to hear stuff like: "caller says there was the sound of glass breaking, then a woman screaming for 'Help'" rather than "415." at a car wash. Makes San Jose's East side seem pretty tame. My room Hyatt, 5th floor, in a room facing east (Detroit). Thank you Bruce, and thank you BASE BBS. You made my trip to the motor city more radio fun.

=From: base108 ===== Sent: Thu Jul 22

##### Subj: 1993 Atlanta-Monitoring Times Convention

The Monitoring Times 1993 Convention will be held Oct 15-17 in Atlanta. The BASE Club will be an exhibitor at the convention and currently, we have five people from the club that will be attending. Why not join us for a fun weekend, eating, sleeping, and playing radio at a fun event in a fun city. Leave a note in this topic if you'd like more info. Bruce Ames BASE 108

=From: base108 ===== Sent: Thu Jul 22

##### Subj: RB-B&B Circus

Here's the schedule for the Ringling Brothers, Barnum & Bailey Circus in our immediate area:

Sep 02-06 Cow Palace

Sep 08-12 San Jose Arena

Sep 14-19 Sacramento ARCO Arena

Ringling Bros. Barnum & Bailey Circus uses the itinerant freq of 151.625 nationwide. You also might try the 464.375 freq when the circus is at the Oakland coliseum. Bruce Ames BASE 108 Travel Editor

=From: base108 ===== Sent: Fri Jul 23

##### Subj: Gilroy Garlic Festival

Don't forget the annual pilgrimage to Gilroy. The Garlic Festival is this weekend. Gilroy PD on 154.830w/ TAC on 155.085. Sheriff on 156.210 & Mutual Aid on 154.920 Fire & Recscue on 154.340 Bruce Ames BASE 108 Travel Editor

=From: base108 ===== Sent: Sun Jul 11

##### Subj: Music in the Park

There will be a "Music In The Park" Festival in downtown San Jose on Thursdays July 15 through September 16. The festival will feature music ranging from big band, Motown, blues, salsa, jazz to reggae. Admission is free. Call (408) 279-1775 for more info. Monitor SJPD on 460.400 for downtown & 460.025 & 460.100 TAC A & B Bruce Ames BASE 108 Travel Editor

=From: base108 ===== Sent: Sat Jul 17

Subj: BASS Derby

There will be a Bass Derby at Rio Vista on October 8 - 10. This is to celebrate the town's 100th anniversary. Activities will include fireworks, antique displays, a parade, carnival rides and other goodies. Call the C of C for more info (707) 374-2700. Rio Vista PD is on 155.490 154.830 & 155.085 FD on 156.0 & 154.340 Solano Cty Sheriff is on 453.725 with Tactical on 453.4 & 453.550

Bruce Ames BASE 108 Travel Editor

UTILITY

No traffic this month

WANTED

=From: base1 ===== Sent: Sat Jul 31

Subj: help

This request is from KKC (BASE556). He needs the clearing codes for Santa Cruz PD & Santa Cruz Sheriff. Also needs Lifeflight, Calstar & Military aircraft freqs. Also needs help with FCC form 574 (itinerant radio). If you can help let me know and I will pass your name/phone etc along to KKC (BASE556). 73s and have a great listening day - Herman (BASE1).

=From: base1 ===== Sent: Fri Aug 6

Subj: JIL SX-200 Scanner

This request put on BBS for Robert (BASE132): Have JIL SX200 scanner that receives static only. Any suggestions? Anyone know who can work on it? Please use this BBS form or write to club address with your reply.

=From: base278 ===== Sent: Sun Aug 8

Subj: Bay Area Scanner Book

Can someone please let me know where I can purchase a copy of the Bay Area Scanner Book. Please include the address and phone and price. Thanks.... Rick

=From: base1 ===== Sent: Thu Aug 12

Subj: OLD MIL PHONETICS

This request is from Peter W. (BASE263) who is not on the BBS. He would like to know if anyone has the old style military phonetics listed anywhere. He would like to have a copy. Please send to BASE Club address or put on BBS and it will be sent to him. Trx de Herman.

=From: base1 ===== Sent: Thu Aug 12

Subj: Commercial HT Wanted

This request is from Robert (BASE132) who is not on the BBS. Wanted: 2 watt 2 channel commercial used HT. Will pay up to \$95. Name brand GE, Maxon, Johnson, Motorola only. I want to use it on GMRS and it must be PL capable. Please call Robert @ 408-251-5378 after 10:30am. 73s de Herman

=From: base1 ===== Sent: Sat Aug 14

Subj: BC200XLT Wanted

This request is from Erik who is not on the BBS. Wanted: BC200XLT. Please leave msg on BBS, email base1, or write to club address and it will be forwarded to Erik. 73s de Herman.

=From: base1 ===== Sent: Sat Aug 14

Subj: Oakland 800 Questions

This request is from Bill (BASE60) who is not on the BBS: Question: Now that Oakland has entered the 800 MHz, I have a 200 channel 800MHz scanner (Bearcat). Do you have to be within range to pick up any signal. When I put in the 800 trunk freqs, I get nothing. I work in Hayward and I can pick up anything from Oakland. Strange! Can anyone give me some kind of explanation? You can respond to Bill's question on the BBS, email to base1 or by writing to the club address and I will forward all replies to Bill. 73s de Herman.

=From: base1 ===== Sent: Sun Aug 15

Subj: Repeater Needed

This request is passed along from Dudley (BASE567) who runs a business in Aptos. Needed: Repeater site. Have Motorola radios on UHF 450 band. Have 2 radios that are Gp300s (4w HTs). Need to work

towards Santa Cruz. Any **repeater service** phone numbers would be most helpful. Please use the BBS, email to 'base1' or mail in your info to the club address and I will pass along the info to Dudley. 73s de Herman.

=From: base1 ===== Sent: Sun Aug 15

Subj: Misc.

This message is from BASE72 who is not on the BBS: Sometime ago someone had a problem with their HT scanner. It wouldn't stop 'playing' even with the squelch moved around. I had a similar problem once, I cleared it by using an earphone jack and putting it in and out of the earphone monitor jack. This may work for you. I had a BC200 that I used to clear this way. 73s de Herman

=From: base1 ===== Sent: Mon Aug 16

Subj: IC-R9000

Gary (BASE190) asked me to put this on the BBS for him. He is not on the BBS. "I'm looking for a used ICOM IC-R9000. Does anyone have any idea as to where is the best place to look for this receiver used?" Replies to Gary should be placed on the BBS, email to 'base1' or sent to the Club address and it will be forwarded to Gary. 73s de Herman.

=From: base1 ===== Sent: Mon Aug 16

Subj: Computer Interfacing

This request is passed along by Gary (BASE 190) who is not on the BBS. "Is anyone out there using their PC or MAC to interface with their receiver? How are you doing it? What hardware and software are you using?" Place your replies to Gary on the BBS, send email to 'base1' or write to the BASE Club address and I will pass it along to Gary. 73s de Herman.

=From: base1 ===== Sent: Tue Aug 17

Subj: SJ Arena Freqs?

This request is from Robert (BASE 132) who is not on the BBS: "Does anyone know what freqs will be used for the San Jose Sharks Area?" Please use the BBS, email to 'base1' or mail your reply to the Club address and it will be forwarded on to Robert. 73s de Herman.

=From: base607 ===== Sent: Wed Aug 18

Subj: ...need uniden parts address

help!!!! my regency ts-2 keyboard is on the fritz...does anyone have the uniden parts address or phone #? private e-mail me (base607)...thanx!!!!

=From: base108 ===== Sent: Fri Aug 20

Subj: Attn BASE 278 - Scanner Book

What is the specific title of the book for which you are looking? There are several that have "Bay Area" in the title. Virtually any scanner freq book can be purchased at Scanners Unlimited in San Carlos or The Base Station in Concord. Bruce Ames BASE 108

=From: base108 ===== Sent: Fri Aug 20

Subj: Attn BASE 607 - Uniden

Uniden moved to a new address in summer of 92. Here 'tis:

Uniden Parts

8707 North by Northeast Blvd.

PO Box 501368

Indianapolis, IN 46250

(317) 842-2483 Voice inquiry

(800) 323-2641 FAX Bruce Ames BASE 108

=From: base514 ===== Sent: Sat Aug 21

Subj: races

I NEED FREQS. FOR THE SAN JOSE SPEED WAY [CARS] BY 4:PM SAT.AUG 21ST. THANK YOU ,RON BASE

=From: base446 ===== Sent: Sun Jul 18

Subj: ANTENNA TUNER NEEDED

I need an antenna tuner short wave (.5MHZ to 30MHZ). I have a 100 foot end fed long wire & a 100

foot dipole (50 ft each side). The long wire is feed with a wire & the dipole is feed with coax. **BY** from Richard BASE #446. FRIB.

From: base1 ===== Sent: Sun Aug 22

Subj: Vancouver Freqs

This request is from Al (BASE 16) who is not on the BBS. "Need freqs for the Vancouver area." If you can help Al, please answer via the BBS, email to 'base1' or send your reply to the club address. Thanks. 73s de Herman.

-From: base108 ===== Sent: Mon Aug 23

Subj: Vancouver Freqs

Vancouver PD F1 143.235, F2 143.625, F3 143.775, F4 143.835, F5 143.475 F6 143.955 My records show F5/F6 as always DVP. RCMP Vancouver CH1 140.670, CH 2 140.730, CH3 141.760, F4 139.560 F20 139 170, F25 139.470, CH26 139.710, CH27 139.740 ALSO 139.920 421.4375 139.350 139.410 140.430 140.1 Freeway Patrol 142.035 140.130 140.640 139.290 Vancouver City Transit 410.4125 410.0875 411.0875 410.7625 BC Transit Skytrain 410.0625 ROAD, 410.2875 SECURITY, 410.4875 YARD, 411.0625 EMERGENCY AIRPORT RCMP 860.0375 860.2875 860.5375 860.7875 861.0375 Bruce Ames BASE 108

**A NOTE FROM MARK (BASE 606):** Mark's original application and \$15 was returned. Mark did send in the \$25 and said: *"Inflation! - What price is too much for a whole lot of fun? Here's the additional fee's. Keep up the good work. I look forward to the next year"*. Thanks Mark for those words.

**MARITIME PUBLIC TELEPHONE SHIP TO SHORE FREQS:** Mate Mister (BASE 53) provided us with this list of California frequencies. Nate indicated that he has had this list for a few years now. Please let him or the BASE Club know if there are any updates.

FREQUENCY	CALL	LOCATION
156.800	KTD573	Fresno
161.900	KTD573	Fresno
156.800	KTR967	Klamath City
162.000	KTR967	Klamath City
156.800	KQU594	Kneeland (Eureka)
161.900	KQU594	Kneeland (Eureka)
156.800	KUF607	Meadow Lakes (Fresno)
161.800	KUF607	Meadow Lakes (Fresno)
156.800	KMH828	Oakland (San Francisco)
161.825	KMH828	Oakland (San Francisco)
161.900	KMH828	Oakland (San Francisco)
156.800	KTR860	Pebble Beach (Monterey Bay)
162.000	KTR860	Pebble Beach (Monterey Bay)
156.800	KXC711	Pt. Reyes (Bodega Bay)
161.850	KXC711	Pt. Reyes (Bodega Bay)
156.800	KUF732	Redding
162.000	KUF732	Redding
156.800	KMB394	San Diego
162.000	KMB394	San Diego
156.800	KLU727	San Luis Obispo
161.900	KLU727	San Luis Obispo
156.800	KUF847	San Pedro Hill (Redondo)
161.950	KUF847	San Pedro Hill (Redondo)
156.800	KUF739	Santa Barbara
161.850	KUF739	Santa Barbara
156.800	KUF726	Santiago Peak (Dana Point)

161.825	KUF726	Santiago Peak (Dana Point)
156.800	KUZ408	Skyland Road (Santa Cruz)
161.950	KUZ408	Skyland Road (Santa Cruz)
156.800	KGW464	Vacaville (Stockton)
162.000	KGW464	Vacaville (Stockton)
156.800	KMB393	Avalon (San Pedro)
161.800	KMB393	Avalon (San Pedro)
161.900	KMB393	Avalon (San Pedro)
156.800	KUF563	Bakersfield
162.000	KUF563	Bakersfield
156.800	KQU591	Caspar (Ft. Bragg)
162.000	KQU591	Caspar (Ft. Bragg)

"CLIMB AND MAINTAIN ..." by Bruce Ames BASE 108 Travel Editor

This column will be a semi-recurring feature that will summarize the latest news in the airline industry and frequencies for those company's local stations.

American - Is prohibiting laptop computers and CD players below 10,000 feet. American is now up to 502 flights per day from DFW. American and American Eagle's combined service is 664 flights per day from DFW. AA will use all of its jet gates from 1000 to 2200 every day. This new schedule gives AA a 61% market share at DFW. Their closest competitor is Delta with 28%. American at SFO uses 460.650 & 460.775

America West - Has an extension on its Chapter 11 reorganization plan until October 13. America West has said it needs up to \$200M in new capital to successfully reorganize. America West uses the callsign *Cactus* with an airline code of HP. HP had a turnaround profit of \$2.1M for 1st quarter '93. America West at SFO is on 130.250

Boeing - Redesigning the "fuse pins" which hold the engines to 747 type aircraft. These pins are possible suspects in being part of the cause of crashes of an El Al freighter in Amsterdam in fall of 1992 and a China Airlines crash in December 1991. According to Boeing, the modifications are a voluntary improvement to make a safe plane safer. Eighty-two airlines operate 948 747 aircraft worldwide.

Continental - Has set up a group to plan for the carrier to enter into the short-haul market dominated by Southwest. The code name is *Continental Light*. Continental's current cost is in the \$.12 a mile area whereas some of the short-haul carriers operate around \$.07 a mile. Continental has ordered from Allied-Signal Inc forward-looking windshear detection/avoidance equipment for 293 planes in its current fleet and for 190 aircraft on order or on option. This new equipment will give up to sixty seconds of warning time before entering dangerous windshear turbulence. The airline also is announcing that they will be the first to use GPS for landing and navigation. The initial Honeywell system will go on one MD-80 and 10 commuter planes. The ground sites will be Aspen and Steamboat Springs (Colo) and at IAH (Houston Intercontinental) within a year. GPS uses a fleet of 24 US owned satellites operating 11,000 miles up sending positioning information via radio to GPS receivers on earth. CO is also planning on closing its maintenance base at Stapleton (DEN) and will shift 300 maintenance workers to L.A. All of the 1,600 DEN maintenance personnel will be transferred to other locations. CO at SFO uses 460.700. Continental in Hawaii is planning on dropping a third of its flights and laying off 2,500 employees system-wide in an attempt to save money. CO will eliminate daily YVR-HNL, 3 daily DEN-HNL, and 2 daily AKL-SYD-HNL trips. It will keep a daily NRT-HNL, 2 daily LAX-HNL and 1 daily SFO-HNL flight. Continental is the last U.S. carrier linking Hawaii with Australia and New Zealand. Northwest dropped its 4 weekly flights to Australia in early April and United dropped its daily HNL-AKL-SYD service on May 1. CO has lost \$24.8M in the two month period of 4/28-6/30 with revenues of \$976M for the same two month period. Hawaii tourism officials have expressed major concern over the service cuts. Their fear is that a lack of available seats will cause more damage to Hawaii's tourist trade which has been in the doldrums for the past two years.

Continental in Hawaii is on 460.850, 464.475, and 464.575

Delta - Is prohibiting use of CD players on all flights. DL is also talking about a layoff of 3.5% of its work force or 2,600 jobs. Delta will match the USAir fare in the SFO-LAX corridor. Delta at SFO is on 460.750 & 460.825

KLM - Had a net loss of U.S. \$513M in its latest fiscal year and plans to get rid of 1st class seating on all of its jumbo jets. KLM currently operates 27 wide body aircraft. The airline plans to increase economy seating by 10% on those aircraft.

Northwest - Is prohibiting laptop computers and CD players below 10,000 feet. Northwest at SFO uses 460.825 130.700 131.575 131.700

Qantas - Adds 3 weekly SYD-SFO flights. Did you know that Qantas is an acronym? Stands for Queensland And North Territorial Air Service. They have a license for SFO (San Bruno) on 469.2625

Reno Air - Has opened a hub at San Jose (SJC) and uses ex-AA gates in Terminal A.

Southwest - Will add 18 flights a day at SJC. New cities served will be LAX, ONT and RNO. Try Southwest at SFO on 129.25

United - May 93 traffic rose to 8.38 billion revenue miles, up 15%, from 7.32 billion one year ago. United and Delta will match the USAir fare in the SFO-LAX corridor. UAL is also expanding its availability of the McDonalds meals to cover 80% of its flights from 23 airports in 21 cities. The airports offering *Friendly Skies Meals* are BWI, BOS, ORD, DFW, DEN, DTW, BDL, LAX, MIA, EWR, JFK, LGA, MSY, OAK, MCO, PHL, PHX, PDX, SAN, SFO, SEA, IAD & DCA. The meals were previously only available on flights to Orlando. Meals may be ordered for most B/L/D flights at least six hours before flight departure. United is also looking into a short-haul low cost operation like Continental. Check out UA at SFO on 460.725 129.300 460.875 131.0 131.400 United Express uses the callsign Sundance and is on 129.675

USAir - Is prohibiting use of CD players on all flights. USAir has cut its shuttle fare to \$89 one way SFO-LAX weekdays and \$49 weekends. They are also offering numerous incentives in their frequent traveler program for flights in this corridor. USAir at SFO is on 131.150 131.575

(Airline news from a variety of selected sources including *Frequent Flyer & Travel News Summary*.)

**SANTA CRUZ COUNTY FREQS:** Contributed by KKC (BASE 556) of Aptos.

SHERIFF'S OFFICE, MUTUAL AID & NARCOTICS:

155.565	SO Blue Dispatch
155.070	SO Green
156.030	SO Orange
159.150	SO Red
159.030	?
154.950	Mutual Aid, County Wide
154.920	White, Mutual Aid (Gold #1)
154.935	CLEMARS #1 (Gold #2)
155.100	CLEMARS #2
155.235	SO Search & Rescue (SAR)
47.460	SO Jeep Posse
154.665	County Narcotics Enforcement Team (CNET)
154.680	Dept. of Justice (works with CNET)
154.665	DOJ
154.695	DOJ Surveillance
155.040	DOJ Special Event
156.075	DOJ CALCORD
155.475	DOJ NALEMARS

SANTA CRUZ PD & COUNTY WIDE FIRE:

154.770	SCPD Blue Dispatch
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154.695	Mutual Aid
154.055	SCPD
155.475	SCPD
155.655	SCPD White
155.880	SCPD Yellow
158.760	SCPD
155.220	Gold (SC Lifeguards/Beach Rangers)
153.770	SCFD Fire
154.190	SCFD Yellow
154.280	SCFD White
154.325	SCFD Red
154.415	SCFD Blue
47.660	SC Ambulance Dispatch to Ambulance
46.400	SC Ambulance to Dispatch
462.950	Dominican Base to Ambulance
467.950	Ambulance to Dominican Base

**OTHER PD & CHP (LOCAL):**

42.540	CHP GREEN
42.240	CHP GREEN
154.905	CHP Mobile Extender (hand held to car)
155.625	Capitola PD Dispatch
155.615	Capitola PD Dispatch?
153.995	Capitola PD Dispatch?
155.940	Scott Valley PD Dispatch
155.085	Scott Valley PD Dispatch?
42.500	CHP Ruby (San Jose)
42.280	CHP Ruby (San Jose)
42.430	CHP Blue (Statewide use)
42.460	CHP Black (Monterey)
42.300	CHP Black (Monterey)
45.020	CHP Black Air/Ground
45.860	CHP Black Air/Ground
42.340	CHP Black Air

**C.D.F.:**

151.220	CDF Fire Ground
151.265	Command #2
151.280	Blue Air/Air
151.295	Green Air/Air
151.310	Yellow Air/Air
151.325	San Louis Obispo
151.355	Command #1
151.370	Santa Cruz County
151.400	Butte
151.340	San Louis Obispo
151.385	Fresno
123.025	Helicopter Air/Air
170.000	Helicopter Air/Ground
151.445	Santa Clara
151.250	Tres Pinos

FISH & GAME, PARKS & RECREATION, BLM, ETC.

151.415	Fish & Game Local
151.430	Fish & Game Local
151.445	Fish & Game Local
44.720	Park & Recreation Local
44.800	Park & Recreation Local
44.880	Park & Recreation Local
44.640	Park & Recreation Local
44.680	Park & Recreation Local
44.960	Park & Recreation Local
45.000	Park & Recreation Local
167.950	Bureau of Land Management
167.000	Bureau of Land Management
166.485	Bureau of Land Management
166.4875	Bureau of Land Management
166.375	Bureau of Land Management
166.750	Bureau of Land Management

ODD & ENDS, ETC.

NOAA Weather 161.00 - 163.00. 162.550 Local NOAA Weather  
 All CDF in 151.00 range  
 Santa Cruz Port 156.426  
 Santa Cruz Marine Telephone 157.300 & 161.950  
 USCG Distress Calling 156.800.  
 USCG Freqs: 154.1300 FD, 857.7625, 858.2125, 859.7625, 860.7625  
 Cabrillo PD 156.090  
 Santa Cruz Boardwalk Security 154.540  
 Watsonville PD 155.3100, 155.5650, 155.0100

CELLULAR EXPERTS NEWS by Bruce Ames BASE 108 Travel Editor

The BASE Club recently received a free issue of the *Cellular Experts News* newsletter. This newsletter purports to be the #1 newsletter for cellular users and the May issue which I'm reviewing runs to all of four pages. Topics covered in this issue covers topics such as a Solar Powered Cell Phone, Mag Mount Antennas, How to Change System Type Selection (A/B Non-wireline/wireline), A Review on the NEC P400, among other topics. This issue also has a ½ page article titled: "Scramblers vs Scanners - Privacy at a Cost". This article gave an example of how 800 Mhz signals travel through the air and how they may be picked up by other cell users. The article goes on to say that the new FCC ban on modifiable scanners to receive 800 Mhz cellular "will have little impact on the eavesdroppers with scanners due to the low cost of information and parts to modify any 800 Mhz scanner to do the job." The piece then goes on to tell the reader that the way around the "eavesdroppers" is to add a scrambler to the cell phone. The product they mention in the article is only (emphasis mine) \$2,160.00. One of the things that gave me a hoot about this newsletter was a statement in the privacy article that said "Other problems occur when the strange portion of the population that live their lives with ears glued to a radio scanner." You can get this newsletter for \$28.95 for 12 issues by calling (800) 382-3446. If other issues present the same level of information as what was presented in this review issue, (in my opinion) it is not exactly on the cutting edge of technological information. My opinion, save your bucks!

## COMMERCIAL REPEATER OPERATION by Bob Gillmore BASE 582

Ever wonder about the business side of a commercial repeater operation? Here is an insight into the commercial side of our hobby. There are four key issues that must always be remembered.

### 1A) Responsibility

- 1) How many customers can be put on a single channel?
- 2) How much money can you charge a customer? [ Remember, you want to turn a profit ].
- 3) How do you control the channel?
- 4) What is a system hog, how do you determine this and what do you do next?

1A) A repeater owner / managers responsibility is to select clear channels that are as lightly loaded as possible. (This can be a challenge in the larger metropolitan areas). He then must license the system, procure repeater equipment, arrange to have this equipment installed at a repeater site and install the repeater. Once the repeater is on the air the owner /operator must keep the repeater on the air 24 hours a day, 7 days a week and available to the customers whenever they need it.

1 & 4) Customer count is a very nebulous number. One customer with a relatively few number of mobiles can completely dominate a repeater. If, after extensive channel monitoring it is determined that this is the case, it is the repeater owner's obligation to notify the offending customer that he / she will be paying a larger share of the repeaters costs to repay the owner. Conversely, is possible to get many small responsible users to share the costs of the equipment and turn a profit.

2) Monthly charges, or unit costs are pretty much market driven. If you charge too much, you won't get many new customers. If you don't charge enough, you will be going broke and profit won't be an issue! Customers are pretty savvy people and there are very few "secrets" in the industry. And don't forget, your competition is always out there beating the bush trying to recruit your customers for their systems.

3) CTCSS and DCS are the two most common ways of restricting repeater access and customer separation. Unused tones must be identified (if you have co-channel repeaters). This channel monitoring process could take days if not weeks if you don't have unattended channel monitoring capabilities. It should be the repeaters' owner / manager to occasionally monitor the frequency to make sure no unauthorized users are on the air or, that an authorized user is becoming a system hog. A system hog, by the way, is an authorized user that will discuss not only business, but which way the wind is blowing or what his / her plans are for the next weekend. Remember, these are business / commercial channels and should be used for business communications only.

Once the repeater is on the air the fun starts. Customers must be located to fill the repeaters and make a profit for the owners. However, certain considerations must be taken into account. On a conventional, single channel repeater system, it might not be ethical or practical to have more than one type of customer operating on the same repeater. Sometimes, similar types of companies ie: two plumbing companies that work together a lot will want to be on the same repeater but use different tones. If the two friendly plumbing companies have a falling out it can become very challenging if you don't have another repeater to move one of the previous friendly competitors. And, who pays for the reprogramming of their radios?

A relatively new option available to both repeater owners and customers is a product called "E-Trunk" (®). This is a product "similar" to 800 Mhz Trunking. In theory, this negates most of the issues of customer mixing listed above and increases spectrum efficiency. This also allows the repeater owner to add more customers to the system.

© E-Trunk is owned by the E-Trunk Company.

**A NOTE FROM DICK (BASE 371):** I just received my No Code Ham License (KD6RXH). I am on 2mtr, 220, 440, 900 and 1.2G. It is a real kick. I've got 7 antennas on my Bronco and nine on the roof and I'm just getting started. I really enjoy the BASE Club Newsletter. I read cover to cover. I still have 7 scanners cook'in away all the time. It's well worth \$25.00 to get this info.

**AVIATION COLUMN** by Roger West, BASE Club Aviation Editor.

**AEROFLOT OPENS NEW HUB AT RICKENBACKER, OHIO:** As of April, 1993 Rickenbacker [Ohio] is now an international airport. It will be the hub for Aeroflot Airlines international cargo flights. Products transported by Aeroflot will include apparel, textiles, mining equipment, computers, telecommunications equipment and South American perishables, such as fruit, salmon and flowers. Test charter flights will begin next month to demonstrate the viability of the project. A regular schedule of flights will begin soon.

**AIRCRAFT MONITORING PRODUCTS:** Aerial Development of New England carries aeronautical manuals and charts at reduced prices. Items like Air Traffic Control Centers, U.S. Military airfields, major airports in Canada and Mexico, etc. All products are actual government surplus unless listed as new. **WARNING!!** The books come stamped, "FOR TRAINING PURPOSES ONLY....NOT FOR NAVIGATION". If interested their address is: Aerial Development of New England, P O Box 661, Bangor, Me. 04402-0661 Telephone number: (207) 945-3961

**SATELLITE USED AS RELAY LINK:** Airplanes racing along over the world's oceans like to fly higher-than-normal altitudes because engine efficiency is higher there. But to change altitude, the pilot must receive permission from flight controllers. Being able to talk to a flight controller while you're several hundred miles away over the ocean is not always possible. Listen to a scanner radio tuned to the air-traffic-control frequencies at the nearest airport. Those channels are more jammed than the busiest repeater. Is there some way to cut down on the chatter? There will be, very soon. Satellites orbiting the Earth will be brought into service as relay links between airplanes and ground stations. The additional information-transmission capability will allow more than just voice; digital data can be exchanged as well. It is predicted that such a digital link will eventually replace voice-based message traffic. This new digital link is called Mode S.

**AIRLINES TO SUPPLY RADIOS TO PASSENGERS:** Airlines apparently have thrown in the towel when it comes to preventing passengers from using radios while on-board. Since the local oscillators in lesser-quality transistor radios do not have adequate shielding, they wreak havoc on the sensitive navigation equipment in the cockpit. Trying to keep flyers from listening to a radio is not easy. The solution appears to be giving the customers what they want, but not the way they want it, however. Logic decrees that if they want radio, they will get it from radios owned and operated by the airlines. That way, passengers can listen to their music and the airlines can rest satisfied in the knowledge that the FCC-FAA-approved radios won't foul up the flight computers. The ABC Radio Network has teamed up with the Harris Corporation to provide this service, using satellites and ground stations to beam dedicated FM broadcasts to these specific receivers kept on-board the airplanes.

**HOW TO CONTACT YOUR AVIATION EDITOR:** If anyone out there would like confirmed aircraft frequencies for their area or ask questions about aviation, please feel free to write, and if you need a personal reply, please enclose an S.A.S.E. and two (2) loose stamps to cover copy costs. Please use the same address if you wish to send me articles. I will use your name if you like. Roger West, POB 291, Amery WI 54001-0291. 73s de Roger

**Bruce's Rule Number 3** - If you're not the lead dog, the scenery never changes.

**FREQUENCIES USED DURING MOVIE FILMING** by Bruce Ames BASE 108

Here are some frequencies used by movie production companies. This listing came off a BBS file.

KET404	152.8700	ABC aka/American Brdsting freq, press (USA-
KB27135	152.9900	Ambrose World Video (USA-wide)
KB27135	153.0200	
KA79334	173.2250	Braddy, Jim Photography, mot pict(USA-wide)
KB22264	152.8700	Columbia Pictures Inc (USA-wide)
KB22264	152.9000	
KB23583	152.9300	Crown Films (USA-wide)

KA62762	152.9300	Guy, Don Productions (USA-wide)
KA62762	152.9600	
KA62762	152.9900	
KA62762	153.0200	
KA90540	173.3250	Lucas Film Ltd, motion pict ind (USA-wide)
KA90540	173.3750	
KNEJ332	154.5150	Mini-Cam Prod, mot pic ind, press, entert (Rose)
KB37735	152.9000	Multimedia Prgm Prod, mot pict ind (USA-wide)
KB37735	152.9600	
KB37735	153.0200	
KB29464	152.8700	Paradise Video Inc, motion pict ind (USA-wide)
KB29464	152.9000	
KA67754	173.2250	Rah Lighting Systems (USA-wide)
KA67754	173.3750	
KB29465	152.9300	Teddy Jack Inc, motion pict ind (USA-wide)
KB29465	152.9600	
KB23593	152.8700	THT Productions Inc (USA-wide)

#### DECODERS FOR YOUR SCANNER by Brett Miller BASE 154

I thought I would pass along some of the information I have gathered in my search for a Tone/Code decoder for my scanner.

Decoders for HF radios have been around for a long time. There is a wide range of non-voice signals on HF, like FAX, RTTY, Packet, etc. With a multi-mode decoder, you can decode these signals and display them on your computer screen or printer.

Decoders (AKA: tone readers) for VHF/UHF scanners are relatively new accessories for the scanner buff. Most VHF decoders now available cover three modes: CTCSS, DCS and, DTMF.

**CTCSS (Continuous Tone Code Squelch System)**- This mode is also known as PL, which is Motorola's trade name: Private Line. CTCSS is a Sub-audible tone that is transmitted with the radio signal. There are 50 different tones in use. For example, the tone of 131.8 means that a 131.8 Hz tone signal is also sent with whatever is being transmitted. The receiving radio will only open its squelch if it detects the tone it is set to. CTCSS is used extensively in public service and business communication systems.

**DCS (Digital Code Squelch)**- Also known as DPL. This is used for the same purpose as CTCSS but using digital codes. There are 104 different DCS codes used. I don't know what these signals sound like so I don't know if they are in use locally.

**DTMF (Dual Tone Multiple Frequency)**- These are the common Touchtones used on your telephone. There are 16 DTMF tones.

#### WHY BUY A DECODER?

There are many reasons a decoder could come in handy. If you know the CTCSS tone(s) used on a particular frequency and you have a directory that lists the tones used, you will be able to determine who is transmitting. This is particularly useful when multiple groups share a single frequency. If you have a radio that also has CTCSS capabilities, you can set the tone to match the agency you wish to monitor so you will only hear the desired agency. Using tone squelch on your receiver is also a great way to eliminate noise and intermodulation (the M-400 can do this with any radio). Remember that some repeaters use one tone on the input, and another on the output. HAMS can also determine CTCSS tones used in order to access repeaters.

Decoding DTMF tones is a bit less benign. DTMF codes are used to program and access special features on repeaters and other equipment. CDF has a repeater that will give a full weather report if the correct DTMF codes are entered. Cellular and some cordless phones send out DTMF numbers as they dial or access voice mail. DTMF codes are also used in some HAM equipment for paging functions. [ Author's Note: Please do not tarnish the image of scanner enthusiasts by using decoders

irresponsibly. The information gained by the use of a decoder should not be used for illegal purposes.  
Scanner buffs do not need more bad PR. I

#### AVAILABLE DECODERS

The following information has been compiled from magazine ads and sales literature.

1. **CSI model: CD-1**, Price: \$200, No printer or computer ports,  
Modes: CTCSS, DCS, DTMF, Display: 4 digit LED  
Memory: Re-display of last item received
2. **Universal model: M-400**, Price: \$400, parallel port,  
VHF Modes: CTCSS (41 standard tones), DCS, DTMF, POCSAG, GOLAY, (POCSAG & GOLAY are for digital pager signals), ACARS (Aircraft Communications Addressing and Reporting System)  
HF Modes: Baudot, Sitor A & B, FEC-A, ASCII, SWED-ARQ, FAX  
Display: 2 x 20 LCD, Memory: 4000 character scrollable  
Also has PL/DCS/DTMF squelched speaker output. Made by Digital Electronic Systems.
3. **Optoelectronics model: DC440**, Price: \$260, serial I/O (2.5 mm stereo plug with TTL level.  
Converter is an \$89 option)  
Modes: CTCSS, DCS, DTMF, Display: 2 x 16 digit LCD w/backlight, Memory: 63 DTMF digits & most recent PL tone  
This unit is fully software controllable, however, at this time you'll have to write your own program. Optoelectronics does not have software for it. It will work with standard communication (modem) software. (Writing software for this unit may be a good business opportunity for someone...)
4. **Motron Tone Master**, Price: \$240, (\$169 w/o serial interface)  
Serial Port, Modes: DTMF only, Display: 16 digit LCD  
Memory: 80 character scrollable
5. **AIE model: TCF series:**  
TCF-3 Price: \$300, Serial Port, Modes: DCS, CTCSS, Display: 3 digit LED, Memory: Optional  
TCF-4 Price: \$330, (this unit is an add-on CTCSS/DCS squelch for the R.S. Pro-2004/5/6 series, or 760xlt)  
TCF-5MRTC Price: \$440, serial port, Modes: CTCSS, DCS, DTMF,  
Display: 16 digit LCD, Memory: 297 digit Also has DTMF activated alarm. (MRTC=Memory, Real Time Clock)

#### **WORLD'S SMALLEST TRANSCEIVER** by Roger West

Kenwood has unveiled the world's smallest transceiver. The TS-50S is only 7.2 inches wide by 2.4 inches high and 9.3 inches deep and weighs 6.4 pounds. The all mode 100-watt HF transceiver also has a general coverage (500 KHz to 30 MHz) receiver and all the "bells and whistles"....including 100 memory channels, dual VFOs and computer controllable, and sells for \$1199.95.

**Habitat** (Moffett Field Antisubmarine Warfare Operations Center (ASWOC)) was recently heard working some callsigns in the NATO trigraph format—letter number letter. This was all on 10246 kHz SSB. Most of the rest of the time all I heard was what may have been data and scramble voice.

#### **THINGAMAJIGS, GIZMOS & WHAT-NOTS** by Bruce Ames BASE 108 Ass't Editor

We have been asked by *National Scanning Report* to not use the column title of "Things That Work" as they use that same title in their magazine and want to retain that specific identity. The BASE Club has no intent to plagiarize or trade on other newsletter's material. The *Listening Post* will now use the "Thingamajigs, Gizmos & What-Nots" as a semi-regular column to introduce products that will enhance our enjoyment of the radio monitoring hobby.

Rayovac Batteries has introduced a mercury-free rechargeable alkaline battery that is said to perform nickel-cadmium (ni-cad) rechargeable batteries. The new batteries will be called "Renewal"

and will last up to 3 times longer than fully charged ni-cads on 1st use. The Renewal batteries may be recharged in the Renewal Power Station 25 or more times. The recharger cannot be used on other battery types, however, the Renewal Batteries will come fully charged and will hold their charge up to 5 years. Prices are scheduled to be in the area of \$6.00 for 2 pack C & D types or 4 pack AA AAA types. The rechargers are going to be \$15 for a portable unit and \$30 for a desk-type. These new batteries will be on sale this fall.

#### **WANT TO FLY AN EXPERIMENT ABOARD THE SPACE SHUTTLE? By Roger West.**

So you want to fly an experiment aboard the Space Shuttle? N.A.S.A.'s rules governing how and where it can fly may look complicated. Assuming that NASA approves it, it still must be okayed by the astronauts on the flight (they pretty much have the final say in what they will or won't participate in). If a project gets that far, it must satisfy the following requirements:

- It must fit into a standard Shuttle locker (10" x 17" x 20").
- It cannot weigh more than 54 pounds.
- The center of gravity must be as far to the back of the locker as possible.
- Electrical requirements must not be more than 28 volts DC, 5 amperes maximum. If AC is required, 115 volts AC is available at 400 Hz, three-phase at up to 3 amperes per phase.
- Power consumption must be less than 115 watts for up to eight hours.
- If it generates too much heat, a cooling fan must be installed. It must withstand the heavy G-forces that space travel presents.
- It shouldn't catch fire easily, and mustn't pollute the air within the crew cabin.

It's a good thing packet radio satisfies all the rules? That's a lot of power and technology in such a small space. But give it some thought anyway,; somebody, somewhere, at some point in time said, "Hey, why not try flying packet radio on the Shuttle?" One of your ideas could ride the bird into orbit someday. After all, a bunch of California hams built the first OSCAR inside a garage. Why not you?

**What does Hawaii and the City of Pasadena have in common?** A Japanese company has announced plans to open five hundred "Karaoke" bars in these two locations over the next year.

**THE ANTI-CELLULAR SCANNER LAW:** The following article appeared in the "Closing Comments" column by Bob Grove in the May, 1993 issue of Monitoring Times, and is being reprinted here with the permission of Ms. Rachel Baughn who is the editor of Monitoring Times Magazine.

#### **"IT'S NOW OFFICIAL...LET'S TAKE A LOOK**

Docket 93-1, the prohibition against cellular capable scanners, is now officially enforced by the Federal Communications Commission. Effective April 26, 1993, the Commission no longer type accepts scanners that are capable of ---- or that can be easily modified for ---- receiving cellular telephone frequencies.

Many questions regarding this new legislation have come to our offices (Monitoring Times), and we would like to take some space this month to answer them.

**Q:** Does the law affect transceivers as well as receivers?

**A:** Yes, the law covers the receiving portion of the transceiver; thus, amateur and commercial transceivers with scannable memories must conform.

**Q:** How can cellular telephones be exempted from the law? After all, they are scanning cellular transceivers.

**A:** The law exempts equipment operating as part of the licensed system which is protected by the legislation. Since the licensed system is cellular telecommunications, their equipment is exempted.

**Q:** What is the cutoff date for the manufacture and importation of previously lawful, but now banned, scanners?

**A:** April 26, 1994, is now the last date that cellular-capable scanners, approved before April 26, 1993, can be manufactured in or imported into the U.S.

**Q:** Can new scanners still in a manufacturer's or dealer's inventory continue to be sold after April

26, 1994?

A. Yes, indefinitely.

Q. Will it be lawful to distribute cellular restoration information after April 26, 1994?

A. Yes. Congress has no power to restrict the dissemination of non-secret information.

Q. Will it be lawful to modify a scanner to receive cellular after April 26, 1994?

A. Yes. Congress has directed the FCC to refuse type acceptance of cellular-capable scanners, but neither has the power to restrict you from modifying a product you own.

Q. Will it be lawful for individuals to own and resell their used cellular-capable scanners and for manufacturers to repair them after April 26, 1994?

A. Yes, indefinitely.

Q. What are the consequences of selling unapproved scanners?

A. The same consequences as selling any Part 15 unapproved devices. Computer manufacturers are faced with Notice Of Apparent Liabilities (NALs) of typically \$10,000-20,000. It is the Commission's prerogative to examine each violation and assess what it thinks is appropriate.

Q. Can non-scannable (tunable) receivers with cellular frequency coverage continue to be manufactured?

A. Yes, as can scannable test equipment and government receivers.

Q. Is it likely that the new law will be ignored just like other uncertified scanners that are presently being sold in the U.S.?

A. No. This time there is a Congressional mandate behind its enforcement, prompted by the powerful cellular telephone lobby.

Q. Is it possible that a grass roots movement could muster a repeal of the law?

A. Yes, but it has to be a good one. Congress will not reconsider what it has already done without reason.

Such a movement would require work on the part of the scanner hobbyists as well as finding a sympathetic legislator to sponsor the bill in the House of Representatives. It's a big job, but it is truly as American opportunity. If I (Bob Grove) hear from enough of you, we will start the ball rolling".

*(REPRINTED WITH PERMISSION OF MONITORING TIMES MAGAZINE)*

## FEATURE ARTICLE

### EMERGENCY RESPONSE TIME IS WAY DOWN IN SISKIYOU COUNTY by Jay King BASE 412

It all started with a casual conversation on two meters with Chuck. My wife and I had come to Yreka to visit the grandkids and naturally I had brought along the scanners, the two meter and 440 mhz handi-talkies, and the laptop computer with 255,000+ frequency assignments in database files. Tommy and I were taking a walk up the ridge in back of his house. He was on safari, hunting big-game with his Daisy BB gun and I was stalking some hilltop VHF repeater (and simplex) DX.

Well. I worked some hams through the 146.19/79 repeater on Gunsight peak NW of Yreka, 146.22/82 in Dunsmuir, and 146.25/85 on Haymaker Peak out of Klamath Falls, Oregon. I could key up two more, WA7VMA/R on 144.61/145.31 and a .34/.94 machine in an unknown location. I got into a conversation with Chuck, who, it turns out, has a radio shop in Yreka. He provides assistance to local government and business radio clients in need of frequency coordination and is very familiar with the unique local propagation conditions that exist in Siskiyou County. Chuck suggested that I contact Bill Johnson at the Siskiyou Ranger Unit Headquarters of the CDF and request a tour of their communications command post.

The next day, I called up Mr. Johnson and he kindly agreed to take time out of his busy day and give me a tour of the facility. Just as we entered the command post and Bill started to explain the system to me, a 911 call came in from the tiny mountain community of Macdoel. A lady reported that her house was on fire, and immediately, attempts were made to contact the Butte Valley Volunteer Fire Department, which serves the town of Macdoel. The present system in place is a "telephone tree" and in an emergency, a call is made to the home of one of the members who is standing by in case of emergency. This person, in turn, calls others and ultimately all available help

is summoned. Since it is a ranching and farming community, and people need to be called from the various out-of-the-way places found on a ranch, the system can take quite a while to muster help, and there is a great opportunity for the spread of misinformation due to "garbled copy". The department hopes to be able to afford pagers in the future, but, as is the case in most rural communities, available cash for radio equipment is in short supply.

By and large, though, the radio system in the county is well organized and very efficient. The secret here is close cooperation between federal, state, local, and county agencies. Some of the thirty-three agencies in the system include the CDF, the Klamath National Forest, the County of Siskiyou, the individual fire departments of many of the county municipalities, and volunteer fire departments like Butte Valley VFD.

Dispatch is handled by Computer Aided Dispatch (CAD) software. There was a little confusion at first on my part, because the only CAD programs I knew of were Computer Aided Design or drafting programs. The calls come in through a 911 system, and the computer can come up with the closest cross street when a street address for the incident in progress is given. The computer also keeps track of where each piece of equipment in the county is located and what is available to respond to any particular type of emergency in the shortest possible time. Another factor that must be considered is that, in responding to an emergency in one part of the county, no other area of the county is left without an available engine in case a fire occurs while engines are responding in a remote area. This is a problem that is most evident in sparsely populated counties where equipment is limited and travel times are long.

Bill next introduced me to Ed, who was the dispatcher currently on duty. Ed explained that he could transmit and/or tone up an alarm on up to four frequencies simultaneously. These are the CDF local Net on 151.325, North County Fire on 154.34, South County Fire on 154.04, and a microwave point-to-point link that would access a remote transmitter that would otherwise be inaccessible from the command center. The dispatcher also has the capability of monitoring these and several other frequencies. Transmitters and repeaters are located on Gunsight Peak, about three miles NW of Yreka, Mahogany Point, Bald Mountain, Soda Ridge, and the Klamath National Forest site on Castella.

Due to funding cuts, the CDF lookouts on Paradise, Duzal Rock, and Quartz Hill will not be manned this Summer or in the foreseeable future. These lookouts have the lonely job of continuously scanning the horizon for smoke. When smoke is seen, they report the estimated range and take an accurate direction bearing using a table mounted sighting device similar in principle to a surveyor's transit. They also take daily meteorological measurements and radio them in. These measurements include wet bulb temperature, dry bulb temperature, wind speed, and wind direction. From these measurements, relative humidity and dew point are derived with the help of a table. These measurements and calculations are used to plan the strategy by which a wilderness fire will be fought and help to determine the beginning and end of periods of extreme fire danger. There are some Remote Area Weather Sites (RAWS) located at Brazie's, Weed Airport, and Quartz Hill. These remote weather stations are queried by radio on the channels listed above and send their readings back as data.

The Cities of Mount Shasta, Yreka, and Tulelake are not part of the countywide system, but maintain their own systems. Yreka and Mt. Shasta are on 154.43, and Dunsmuir F6 Fire Mutual Aid is on 154.625.

USFS FOREST NET DIRECT & RPTR	164.1750
USFS FOREST NET RPTR IN	164.9750
USFS ADMIN NET	168.1750
USFS FIRE CAMP SVCE NET & RPTR	171.5000
USFS FIRE CAMP SVCE NET RPTR IN	172.4000
USFS INITIAL ATTACK AIR TAC 1	166.6750
USFS GROUND - AIR (SPECIAL)	168.6250
USFS YREKA - GUNSIGHT PK	415.3750

USFS YREKA - GUNSIGHT PK IN	411.3750
USFS YREKA - HAMAKER MTN	415.4250
USFS YREKA - HAMAKER MTN IN	411.4250
USFS YREKA - GUNSIGHT PK	38.7500
USFS YREKA - GUNSIGHT PK IN	411.3500
USFS GUNSIGHT PK - YREKA	415.3500
USFS GUNSIGHT PK - YREKA IN	36.7500
USFS MACDOEL - HAMAKER MTN	415.4250
USFS MACDOEL - HAMAKER MTN IN	411.4250
USFS HAPPY CAMP - SLATER BUTTE	415.3250
USFS HAPPY CAMP - SLATER BUTTE IN	411.3250
USFS KLAMATH RIVER - GUNSIGHT	415.5250
USFS KLAMATH RIVER - GUNSIGHT IN	411.5250
USFS ETNA - GUNSIGHT PK	415.5250
USFS ETNA - GUNSIGHT PK IN	411.5250
USFS FT JONES - GUNSIGHT PK	415.5250
USFS FT JONES - GUNSIGHT PK IN	411.5250
USFS SOMES BAR - PROSPECT HILL	415.5250
USFS SOMES BAR - PROSPECT HILL IN	411.5250

151.3250	CDF REG NET SISKIYOU, PLACER, OTHERS, TAC 6
154.0250	TULELAKE POLICE
154.2050	SISKIYOU CO. FIRE SOUTH YREKA FD
155.8950	SISKIYOU CO. FIRE, MCCLOUD VFD & MEDIC
155.3100	DORRIS FT JONES YREKA PD SISKIYOU CO SHERIFF
155.7000	MT SHASTA ETNA DORRIS YREKA DUNSMUIR F3 POLICE
155.9700	DUNSMUIR, MT SHASTA POLICE
154.9200	DUNSMUIR F4 POLICE MUTUAL AID
154.2650	DUNSMUIR F6 FIRE MUTUAL AID
155.4750	DUNSMUIR POLICE F5 MUTUAL AID
154.0400	DUNSMUIR, MT SHASTA, SISKIYOU CO. FIRE
154.4300	YREKA, DUNSMUIR, MT SHASTA, SISKIYOU CO. FIRE
154.3400	SISKIYOU CO. AND AREA CITIES FIRE
154.1450	SISKIYOU CO. FIRE, MONTAGUE FIRE
155.6400	MONTAGUE F2 POLICE SECONDARY
155.0100	MONTAGUE POLICE F1 POLICE PRIMARY, WEED POLICE
155.9700	DUNSMUIR, MT SHASTA POLICE

NOAA Weather by Bruce Ames BASE 108 Ass't Editor  
 you can obtain a free listing of all NOAA (National Oceanic & Atmospheric Administration) weather  
 stations and their operating frequencies from any National Weather Service office (the one serving the  
 Bay Area is in Redwood City) or write to request one from:  
 National Weather Service  
 Attn: E/OM11  
 NOAA  
 Silver Springs, MD 20910

**FCC CREATES EMERGENCY MEDICAL RADIO SERVICE:** By Roger West. The FCC has voted  
 to establish a new radio service called Emergency Medical Radio Service (EMRS). EMRS joins the Fire  
 Radio Service, the Police Radio Service, the Local Government Radio Service, the Highway

**Maintenance Radio Service and the Forestry-Conservation Radio Service** as a member of the public safety family of private radio services. The commission acted in response to a petition filed several years ago by the International Municipal Signal Association (IMSA) and the International Association of Fire Chiefs (IAFC). The FCC has designated IMSA and IAFC to coordinate EMRS frequency assignments, which will come from channels reallocated from the Special Emergency Radio Service (SERS) and five additional channels allocated to EMRS in the new 220 MHz land mobile radio band.

#### **PHX AIRPORT FREQS by Bruce Ames BASE 108 Travel Editor**

A friend of mine on the Prodigy system had an outdated list of airlines and freqs for the Phoenix Sky Harbor Airport. I updated his list and share it here for you at BASE. "Per my original note - you list the following airlines for AZ - Pan Am, Western, Pacific Southwest (PSA), Piedmont, Republic, and Ozark are out of business or have merged into other carriers. The ones still operating are Southwest, Northwest and United. Here are freqs for current airlines into PHX: America West 460.650, 460.825 131.775; Delta 460.750; Northwest 460.850 460.875; TWA 460.675; United 460.725; US Air 460.875 460.875; American 460.775; Federal Express 131.925; Southwest 131.700 ACARS on 129.125 130.025 131.550 Other freqs of note: Trunk system on 856-860.8875; Garrett Aviation 131.250; GTA Aviation Svcs 460.700; Sawyer Aviation 460.700"

#### **RAILROAD UPDATE by Bruce Ames BASE 108 Ass't Editor**

**Nevada Northern** The 2nd Annual Nevada Northern Spectacular will be held Oct 30 & 31 at Ely Nevada. On Sat Oct 30, 4-6-0 #40 (Baldwin) will go to Keystone via Robinson Canyon and Tunnel #1 leading a passenger consist. There is an afternoon run to Keystone and McGill smelter. This train will be a Nevada Northern wooden freight consist. The run may be made with 2-8-0 #93 (Alco). On Saturday, there will also be a banquet and night photo session. On Sunday Oct 31, there will be a run, again to Keystone and McGill smelter, using a freight consist. This run may be a doubleheader. The Sunday afternoon run is to the smelter led by RS3 #109. All trips are planned to have photo runbys. Cost is \$349 for the weekend and includes the above as well as other locomotives and equipment on display. Single rooms in the area are in the low \$40 range. If you are interested, you must order before Friday, October 8. Call (916) 836-1745 to order or for more info. Nevada Northern uses 462.125 as Road & 462.150 as Yard. Both frequencies are repeaters; input is 5Mhz higher. Earlier, I mentioned that #93 may power one of the Nevada Northern excursions on the NN Spectacular, Oct 30/31. The #93 is a 1909 2-8-0 Alco that recently had 5000 man hours and two years worth of restoration. On regular weekends, Nevada Northern runs ninety minute round trips through Steptoe Valley. Call Nevada Northern at (702) 289-2085 for more information on their operation.

**Durango & Silverton Photo Train** The Durango & Silverton Narrow Gauge RR will have a special photographers train on Sat Sept 25 & is open to all photographers, railfans, & tourists. There will be photo run-bys in both directions rain or shine. Cost is \$37.15 for adult ticket. Call (303) 247-2733 for more info. I've ridden the D&SNG RR and in my opinion, it is probably the best steam train operation in the country. D&SNG RR is on 160.860 for Road & 161.295 for security and operations.

**Model RR Swap Meet & Show** The Willamette Valley Model RR Club is announcing the "Greatest Model RR Show & Swap Meet west of the Rocky Mountains" on Sat/Sun Oct 2/3/93. Admission is \$2 and will have over 300 tables. All gauges of model trains including circus trains will be running. The location is at the Jackman-Long Bldg Oregon State Fairgrounds, 2330 17 St. N.E. in Salem Oregon. Hours are 1000 to 1600 both days. In interested, call (503) 362-0582 for more info. When you are up in that area, listen to S.P. on 161.550 150.290 160.260 160.410 160.470 161.310 161.400 161.430

**125th Anniversary of Transcon RR** Preliminary information indicates that there will be a railfans "died & gone to heaven" event on May 1994 to celebrate the 125th anniversary of the linking up of the east and west on the Transcontinental Railroad. The 2472 will be doing a 3 day trip from the Bay Area to Ogden (Utah) & the 3985 will go from Cheyenne to Ogden for the pagent. After the event, the 2472 will go on to Denver & the 3985 will head for Los Angeles. There is talk about the 3985 doing a couple of runs between LA & Barstow. Local sponsoring NRHS chapters are hoping to get S.P. & U.P.

acking for these railfan trips. This event will probably be advertised nationwide to help assure a break-even for the trips. I'll pass along more information as it becomes available.

Railroad Hotline There is now a 900 number for RR buffs to get hotline information 24 hours per day for planning your railfan activities or outings. The hotline covers the western states of CA, AZ, NV, WA, OR, ID, & UT. Here's how it is set up:

#### MENU OPTIONS

#1 WASHINGTON/OREGON/IDAHO

#1 Model RR Events/Shows - Current 2 weeks

#2 Model RR Events/Shows - Following Weeks

#3 Model RR/Railroadiana Swap Meets

#4 Model RR Clubs

#5 Societies/Historical Groups

#7 Rail Fan Trips/Museums

#2 NORTHERN CALIFORNIA/NEVADA/UTAH

#3 SOUTHERN CALIFORNIA/ARIZONA

Options #2 & #3 follow the same options as #1

The number is (900) RR-BUFF-P and costs \$2.25 per minute & average call is 2-3 minutes per category. This is run by Pacific Coast Rail InfoSystem in Fountain Valley (714) 435-9788

#### YREKA FIRE & POLICE by Jay King BASE 412

On April 7th, I was given a tour of the Yreka Volunteer Fire Department by Fire Chief Dick Shupman. Despite its being a volunteer department, it is a wholly modern and up-to-date fire department. The equipment that they use is current, and they have an aggressive training program for various types of fires and emergencies. They train only for the equipment that they actually have available to them, and all training is hands-on. Dick told me that the time from paging the volunteers, many of whom are working at their pay jobs, till showup at fire hall is often less than three minutes.

Morale and efficiency in this department are extremely high. Membership is limited to forty, and there is a waiting list to get in. Members spend several evenings and a weekend every month on training exercises and business meetings. They even somehow find the time to restore a 1924 American La France fire engine, which is still on the rolls as Yreka #1. It is carefully maintained in 100% readiness for response to such "emergencies" as parades, fire musters, and other local events!

The overall high state of preparedness and quick response time is due in no small part to their new radio system and their excellent management of communications resources. The new equipment is Motorola, and there are several older radios, pagers, and handie-talkies from other manufacturers. The 100 watt base station is kept in a secure vault in the basement of the Yreka P.D., located across the street. The police lieutenant in charge of the radio system told me that the building used to be a bank, and the radios were in the old bank vault. Y.P.D. handles all of their dispatch and paging because they have full-time paid personnel that can stand a radio watch. The mobiles are Motorola and the handhelds are Motorola Saber handies. The majority of the pagers are also Motorola. They also have a few older Uniden hand-helds and NEC pagers still in service.

The newer radios all have six channels, and are set up on Y.P.D., CDF, White Net Fire Mutual Aid, County Fire Net North, County Fire Net South, and ambulance service.

They have an impressive array of equipment, starting with a 1967 Patman snorkel on a Ford chassis. It can pump 1000 GPM through a pair of nozzles mounted on a 65' aerial boom. The engine also carries 45' ladders. The other pumpers include a Pace Arrow with 750 gal. tank and 1500 GPM pump, an old Seagrave (? year) with 600 gal. tank and 1000 GPM pump, a Boardman on Ford chassis with 600 gal. tank and 1000 GPM pump, a 4WD Ford with 400 gal. tank and 800 GPM pump, a Dodge 4WD Powerwagon "attack truck" with 250 gal. tank and a 10,000 lb. winch, and a Chevy light plant truck with electrical generator mounted on the bed.

Here is a list of some active Yreka and Siskiyou County frequencies:

DORRIS POLICE

F1 POLICE PRIMARY

155.3100

DORRIS POLICE	F2 POLICE DIRECT	155.3100
DORRIS POLICE	F3 POLICE COMMON	155.7000
DORRIS FIRE	FIRE DEPARTMENT	33.9800
DUNSMUIR POLICE	F1 POLICE PRIMARY	155.9700
DUNSMUIR POLICE	F2 POLICE DIRECT	155.9700
DUNSMUIR POLICE	F3 POLICE COMMON	155.7000
DUNSMUIR POLICE	F4 POLICE MUTUAL AID	154.9200
DUNSMUIR FIRE	FIRE PRIMARY LINK	453.0000
DUNSMUIR FIRE	F6 FIRE MUTUAL AID	154.2650
DUNSMUIR POLICE	F5 POLICE MUTUAL AID	155.4750
DUNSMUIR FIRE	F1 FIRE PRIMARY	154.0400
DUNSMUIR FIRE	F2 FIRE SHASTA COUNTY	154.4300
DUNSMUIR FIRE	F3 FIRE SISKIYOU COUNTY	154.3400
DUNSMUIR FIRE	F4 FIRE MUTUAL AID	154.2800
DUNSMUIR FIRE	F5 FIRE MUTUAL AID	154.2950
ETNA FIRE	FIRE DEPARTMENT	154.3400
ETNA POLICE	F3 POLICE COMMON	155.7000
ETNA POLICE	F2 POLICE DIRECT	155.3100
ETNA POLICE	F1 POLICE - SHERIFF	155.3100
FORT JONES POLICE	F3 POLICE COMMON	155.7000
FORT JONES FIRE	FIRE DEPARTMENT	154.3400
FORT JONES POLICE	F2 POLICE DIRECT	155.3100
FORT JONES POLICE	F1 POLICE - SHERIFF	155.3100
MONTAGUE FIRE	FIRE COUNTY DISTRICTS	154.3400
MONTAGUE FIRE	FIRE PROTECTION DISTRICT	154.1450
MONTAGUE POLICE	F3 POLICE COMMON	155.7000
MONTAGUE POLICE	F2 POLICE SECONDARY	155.6400
MONTAGUE POLICE	F1 POLICE PRIMARY	155.0100
MOUNT SHASTA POLICE	F2 POLICE PRIMARY DIRECT	155.9700
MOUNT SHASTA POLICE	F3 POLICE TACTICAL	155.7000
MOUNT SHASTA POLICE	F1 POLICE PRIMARY RPTR	155.9700
MOUNT SHASTA FIRE	FIRE REMOTE LINK	453.0000
MOUNT SHASTA POLICE	F4 POLICE SHERIFF RPTR	155.3100
MOUNT SHASTA POLICE	F5 POLICE SHERIFF DIRECT	155.3100
MOUNT SHASTA POLICE	F6 POLICE COMMON	155.7000
MOUNT SHASTA FIRE	FIRE PRIMARY	154.0400
SISKIYOU COUNTY SHERIFF	F4 TACTICAL OPERATIONS	155.7900
SISKIYOU COUNTY FIRE	FIRE DISPATCH PRIMARY	154.3400
SISKIYOU COUNTY SHERIFF	MARIJUANA ERADICATION	460.1000
SISKIYOU COUNTY FIRE	FIRE MOUNT SHASTA AREA	154.0400
SISKIYOU COUNTY FIRE	YREKA FIRE DEPARTMENT	154.4300
SISKIYOU COUNTY SHERIFF	F1 OPERATIONS REPEATERS	155.3100
SISKIYOU COUNTY FIRE	DUNSMUIR FPD	154.0400
SISKIYOU COUNTY FIRE	WEED FIRE DEPARTMENT	154.3400
SISKIYOU COUNTY FIRE	FORT JONES FIRE DEPT	154.3400
SISKIYOU COUNTY FIRE	ETNA FIRE DEPARTMENT	154.3400
SISKIYOU COUNTY FIRE	MOUNT SHASTA FPD	154.0400
SISKIYOU COUNTY FIRE	MCCLOUD VFD & MEDIC	155.8950
SISKIYOU COUNTY FIRE	TULELAKE FPD & MEDIC	33.9800
SISKIYOU COUNTY FIRE	DORRIS VFD	33.9800
SISKIYOU COUNTY EMS	MED 3 SISKIYOU GEN HOSP	463.0500

SISKIYOU COUNTY EMS	MED 4 HAMAKER MOUNTAIN	463.0750
SISKIYOU COUNTY EMS	MED 5 MOUNT ASHLAND	463.1000
SISKIYOU COUNTY EMS	YREKA SISKIYOU AMBULANCE	155.1750
SISKIYOU COUNTY EMS	MED 6 SLATER BUTTE	463.1250
SISKIYOU COUNTY EMS	MOUNT SHASTA AMBULANCE	155.1750
SISKIYOU COUNTY EMS	MED 8 GUNSIGHT PEAK	468.1750
SISKIYOU COUNTY EMS	GUNSIGHT PEAK-BUNCHGRASS	451.1000
SISKIYOU COUNTY EMS	COMM CENTER GUNSIGHT PK	452.3750
SISKIYOU COUNTY SHERIFF	F3 LAW ENFORCEMENT COMMON	155.7000
SISKIYOU COUNTY EMS	MED 7 SODA RIDGE	463.1500
SISKIYOU COUNTY SHERIFF	F2 OPERATIONS DIRECT	155.3100
SISKIYOU COUNTY FIRE	MONTAGUE FPD	154.1450
SISKIYOU COUNTY FIRE	SOUTH YREKA FPD	154.2050
TULELAKE POLICE	F1 POLICE PRIMARY RPTR	154.0250
TULELAKE POLICE	F2 POLICE PRIMARY DIRECT	154.0250
TULELAKE POLICE	F3 POLICE COMMON	155.7000
TULELAKE FIRE	FIRE PROTECTION DISTRICT	33.9800
LAKE SHASTINA	CSD POLICE DISPATCH	155.0850
WEED POLICE	F1 POLICE PRIMARY RPTR	155.0100
WEED POLICE	F2 POLICE PRIMARY DIRECT	155.0100
WEED POLICE	F3 POLICE COMMON	155.7000
WEED FIRE	FIRE DEPARTMENT	154.3400
CHP	PURPLE BASE OFFICE # 41	42.4000
YREKA POLICE	F5 POLICE COMMON	155.7000
YREKA POLICE	F2 POLICE SECONDARY	155.0100
YREKA POLICE	F3 POLICE SHERIFF RPTR	155.3100
YREKA POLICE	F4 POLICE SHERIFF DIRECT	155.3100
YREKA POLICE	F1 POLICE PRIMARY	155.4150
YREKA FIRE	FIRE PRIMARY	154.4300
USFS FOREST	NET DIRECT	164.1750
USFS FOREST	NET REPEATER	164.1750
USFS	ADMINISTRATION NET	168.1750
USFS	FIRE CAMP SVCE NET RPTR	171.5000
USFS	INITIAL AIR ATTACK TAC 1	166.6750
USFS	GROUND - AIR SPECIAL	168.6250
USFS	TREKA-GUNSIGHT PEAK	415.3750
USFS	YREKA-HAMAKER MOUNTAIN	415.4250
USFS	YREKA-GUNSIGHT PEAK	38.7500
USFS	GUNSIGHT PEAK-YREKA	415.3500
USFS	MACDOEL-HAMAKER MOUNTAIN	415.4250
USFS	HAPPY CAMP-SLATER BUTTE	415.3250
USFS	KLAMATH RIVER-GUNSIGHT	415.5250
USFS	ETNA-GUNSIGHT PEAK	415.5250
USFS	FORT JONES-GUNSIGHT PEAK	415.5250
USFS	SOMES BAR-PROSPECT HILL	415.5250

#### CENTRAL VALLEY SECURITY by Bruce Ames BASE 108 Ass't Editor

I was recently asked on the Scanner Topic on the Prodigy Radio Hobbies Round Table for a listing of security companies and related services in Modesto and Sacramento. Here's that list for your enjoyment.

Modesto - American Protective Svcs 151.715; Bond Private Security 463.250; Bonded Security Svc

154.540; J.C. Penney 461.6125; Vintage Faire Mall 461.375

**Sacramento** - Burns Intl. 463.725; CA State Patrol Svc 463.550; Central Valley Security 464.850; Certified Lock & Safe 151.835; Dunmore Security Agency 461.675; J & S Security 463.550; J.C. Penney 461.6125; Master Security Svcs 461.675; Security Alarm Svcs 461.475; SMUD Ranch Seco 451.075; Strebel Security 461.675; Vanguard Security 473.750; Vanguard Security Sys. 154.515 154.540

**LARRY IRVING TO HEAD THE N.T.I.A.:** By Roger West. President Clinton has picked Mr. Larry Irving to head the National Telecommunication and Information Administration. Irving has been a counsel to the House telecommunications subcommittee since 1987 and played a key role in crafting the new cable TV law. It is expected that the N.T.I.A. will assume a heightened role in the Clinton administration.

#### **MD-90 ON SALES TOUR** by Bruce Ames

I reported in the July/August issue of *The Listening Post* that McDonnell Douglas is about to introduce a new derivative of the long running DC-9 family - the MD-90. The first MD-90 is airplane number 2018 and left Long Beach on June 4 for a 20 day sales tour. Stops were planned in the U.S., France, Canada, Ireland, Italy and Sweden. The flight plan called for 13,600 enroute miles and tow ocean crossings. Prior to leaving on it's extended sales trip, this aircraft logged 172 flight test hours over 111 flights. The MD-90 was due to make 3 low-level fly-bys at the Paris Airshow. The MD-90 uses new V2500-D5 engines made by a five company consortium in the U.S., England and Japan. The consortium is International Aero Engines. The new V2500 engines are designed to be more quiet, efficient and low polluters. Efficiency is targeted to be 12% better fuel flow than the MD-82. The aircraft fuselage is 4 3/4 feet longer. This allows space for ten additional passengers.

	<u>MD-90</u>	<u>MD-80</u>	<u>DC-9</u>
Service Life (hours)	90,000	50,000	30,000
Landings	60,000	50,000	40,000

The next-to-last stop on the tour was at Atlanta for Delta Airlines who will be the launch customer for the MD-90. Delta currently operates 110 MD-88s. The DC-9 first flew in 1965. The MD-XX family is built at Daugherty Field (Long Beach Municipal). You can monitor McDonnell Douglas on HF 2.8524 3.0054 3.444 5.4524 5.5724 6.5514 8.8234 10.0464 11.2894 11.3074 13.3134 17.9654; VHF 121.5 123.275; and on UHF 275.2

#### **UNIDEN 2500 XLT REVIEW** by Brett Miller BASE 154

The new 2500 XLT hand-held scanner is now being sold. I walked into Ham Radio Outlet in Sunnyvale and saw it there in the glass case. As soon as I switched it on, I knew I had to have it (how to pay for it is another question). It is different enough from other scanners to create some excitement. This scanner has most everything the 200XLT has plus more.

##### Things I like:

1. 400 channels in 20 banks - for those who like to keep things organized, there are enough banks to separate all your towns or agencies. Banks are selected by pressing the number during scan (to select banks 11-20 you press the decimal key then 1-0).
2. 100 channels per second scan speed, the slow speed is 20 ch/sec!
3. Each channel has a counter to show how many times that channel has been active since you turned the scanner on.
4. Search and store- this will automatically store active frequencies into memory channels during search operation.
5. Large easy to press keys with audible beep to confirm each press.
6. Inside of case has a metallic coating to reduce external RF interference.
7. Sensitivity seems to be quite good based on a few quick comparisons. I compared several frequency ranges with my Icom IC-2SRA (which outperforms my 200XLT), the 2500XLT seemed to do better on 856 Mhz, 460 Mhz, and 154 Mhz. I was not able to do a comparison at 42 Mhz.

8. Separate speaker and earphone jacks
9. Quick disconnect belt clip is **provided as is the vinyl carry case**.
10. The unit has a nice feel to it, but it does not feel quite as solid as the 200XLT.
11. Great frequency coverage 25-550 and 760-1300 MHz (less cellular). I love having Wide FM for FM broadcast and TV audio.
12. Each bank has its own priority channel like the 200XLT but now you can assign any channel in each bank to be the priority channel. However the priority channel can only be reassigned in banks 1-10 !?
- 10-10 ? Priority check is only done on active (enabled) banks.

#### Things I Don't Like:

1. The DELAY setting is all or nothing!! There is no individual delay setting for each channel. One redeeming point is that with the delay off, this thing scans so fast it will come back around to your frequency without missing anything (unless it stops on another active channel).
2. There is a VFO knob, but no VFO! You can tune up or down from any memory, but there does not seem to be a way to enter a frequency to tune without storing it into memory first.
3. The speaker is very small (flat) so there is not much bass and lots of hiss on weak signals.
4. The ergonomic knobs on top seem handy at first but after a short while you realize they are difficult to spin because of their odd shape - especially when trying to tune with the VFO knob. Each time you rotate the knob, you have to change your grip. This can lead to cramps if you like to tune around the bands with the VFO knob. Too bad the up/down search buttons will not tune the VFO. That would have been nice.
5. The unit is large compared to other hand-held scanners. However, even though the unit is about the same dimensions as the 200XLT, it appears smaller because of the rounded edges.
6. There are no channel numbers on the keypad like the 200XLT. If you want to find frequencies in BANK 17 you better be quick with your math ( $17 \times 20 = 340$ ).
7. Uniden switched power plugs. The new charge plug is a 3.5 mm O.D. Power sources with the larger connectors are much more common.
8. The new antenna is very nice looking but it is lopsided. It tapers from slightly wider at the base to narrow at the top, except the wider portion is not centered with respect to the top so it looks bent. I thought there was something wrong with mine at first.
9. This thing scans so fast that they didn't even try to display the frequencies while scanning. Instead, the word SCAN scrolls from right to left across the screen - Kind of neat but it takes some getting used to.
10. Mode selection is automatic. You can not change the default mode (AM/FM/WFM), however they are set correctly.
11. No cellular coverage or 30 KHz spacing. Possible cell mods for this radio are still unknown at this time. [Ed note - There is a note on CompuServe that a surface mount diode can be cut to re-enable cellular on certain 2500s with a particular date code. The SMD is  $\frac{1}{4}$  the size of the one in the Pro-43]
12. Uniden chose a cheap "fork" type BNC connector. These tend to open and loose contact with the antenna. They require periodic adjustment.

Birdies as given in the Operating Guide: (unverified)

27.355	161.0500	359.3125	921.58750
29.035	162.8400	422.2500	936.88750
38.395	162.8450	468.8500	1024.01250
51.195	167.3550	805.4375	1112.63750
140.795	218.5550	818.2875	1125.46250
143.155	256.9125	819.2125	1227.70000
153.595	308.3000	856.6625	
154.515	323.9000	911.2875	

**YUPITERU MVT-7100 USER REVIEW** by Bruce Ames BASE 108

The Yupiteru MVT-7100 is being called the best scanner that has ever been designed and sold to the

consumer market and is being marketed as a *Multiband Receiver*. Those of us hard-core radio nuts are well familiar with the AOR-1000 and all of its problems. The best analogy that I can make is that the Yupiteru is an AOR-1000 that works. The Yupiteru MVT-1000 is a 1000 channel handheld multi-band receiver that will scan at 30 channels per second and provides complete coverage from 530 KHz to 1.650 GHz (1650 MHz). No cutouts on any band or range, including the cellular band. (The inside rumor is that after 10/93, the MVT-7100 will have a replacement EPROM that will lock out the cellular band). The radio allows you to chose from 12 different steps when setting up monitoring and from five different reception modes.

#### General Specifications

Frequency Range: 530 KHz - 1650 MHz  
 Receive Modes: WFM NFM AM LSB USB  
 Step Frequency: 50 Hz 100 Hz 1 KHz 5 KHz 6.25 KHz 9 KHz 10 KHz 12.5 KHz  
                           20 KHz 25 KHz 50 KHz 100 KHz  
 Sensitivity: 10  $\mu$ v or less AM 530 KHz - 2.0 MHz  
                   1.5  $\mu$ v or less AM-FM 2.0 - 30 MHz  
                   1.0  $\mu$ v or less LSB/USB 2.0 - 30 MHz  
                   AM NFM USB LSB 0.5  $\mu$ v or less 30 - 1000 MHz  
                   WFM 0.75  $\mu$ v or less 30 - 1000 MHz  
                   FM 1.0  $\mu$ v or less 1000 - 1300 MHz  
 Memories:  
     Channel 1000  
     Search pass 500  
     Band 10  
     Priority 1  
 Scan/Search: 30 channels/second  
 Antenna Imp.: 50  $\Omega$  BNC  
 Power: 4 KR-AA Nicad or 12VDC external power @ 200 ma  
 Operating Range: 0° C - 50° C  
 Accessories: 4 KR-AA Nicad batteries  
                   1 Collapsible Metal antenna w/BNC  
                   1 belt clip  
                   1 Cigarette lighter adapter  
                   1 Panasonic 12V transformer

Keyboard entry is non-standard from your typical Bearcat and Radio Shack gear but is very easy to learn. The things I like most about this radio are: 1) LCD "S" meter; 2) ability to change defaults on any frequency/band/range; 3) 10 search bands; 4) multiple scan modes (scan, bank scan, program scan, mode scan); 5) attenuator that is software controlled for each channel; 6) A backlight that really works on all keys/readouts; 7) plenty of audio from speaker; 8) Battery Save function. The things that I'm not crazy about on the radio: 1) only 1 priority channel; 2) delay is on or off for all channels; 3) no protective case. I've had my Yupiteru MVT-7100 for 3 weeks and I agree with those fortunate and lucky enough to own this radio; this is indeed the finest multi-band scanner receiver that has been produced in a handheld.

#### **HILDA CONTROL-WHERE ARE YOU?** by Bruce Ames BASE 108 Ass't Editor

1991 saw the phase-out of MAC-Military Airlift Command and the formation of Air Mobility Command-AMC. AMC also saw the startup of the Tanker Airlift Control Center (TACC) which many consider the most significant change in Air Force mobility operations in a decade. The TACC is located at Scott Air Force Base in southern Illinois and uses the callsign "Hilda". This control center is manned by 600 controllers, schedulers and forecasters. Their job is to maintain control and contact with 1,600 AMC airplanes as well as knowing the 400 daily AMC missions down to the most minute detail. "Hilda" is the one central source for mobility advice, decisions and information. TACC mission

s to function as "one-stop shopping" and controls movements of all transports and tankers. Some recent successes include during Desert Storm/Desert Shield, KC-135 & KC-10 tankers performed more than 51,000 in-flight refuelings and transferred more than 125 million gallons of fuel. The important key fact is that the tanker force did not miss one wartime refueling rendezvous. As of March 93, AMC had completed 1,019 airlift missions in Somalia for Operation Restore Hope with 1,156 air refueling operations. The AMC C-5s and C-141s carried more than 27,000 troops and 26,500 pounds of supplies. Find out why Mike Heightchew, our Military Editor is such a passionate listener of AMC and TACC traffic. Tune into H.F. frequencies 4.725 6.738 8.967 8.993 11.176 15.015 USB

#### **COMPONENT FAILURE: By Roger West.**

Despite decades of monitoring and heavy use, one topic that engineers still have difficulty wrestling with is component failure. Is there anyway to predict exactly when a part will go out?

There are several reasons why it's so hard to track down the causes of electronic failures. First, a technician must determine if a part failed because of something the user did to it, or was it just fatigue, or due to overheating, or if it was design flaw.

Back in 1986, the U.S. Air Force set up a database to gather information about electronic failures. The goal is to determine the reasons why electronic parts fail, and to try to predict their behavior mathematically.

So far, results are surprising: 50% of all failures come from inherent design flaws. Many other parts logged for failure actually test okay when returned to the manufacturer. Most of that is due to human error, or trying to make the part do something it wasn't designed to do. A part may work fine by itself, but it behaves strangely when installed in a circuit board with other components.

Perhaps the biggest cause for electronic component failure is our old friend, the cold solder joint. The parts work fine, but because of poor soldering it makes poor contact with the circuit board. One reason for this is the inherent problem with solder: at room temperature it deforms easily, because its melting point is so low. Temperatures within electronic equipment can easily reach 200° thus causing solder joints to crystallize and change their properties. Another reason is that parts expand when they heat up, but the circuit boards do not. The junction between them is the solder joint. Use fans if you got them.

And speaking of fans, have you noticed that those box fans mounted inside every P C power supply continue to shrink. Muffin fans 400 millimeters by 15 millimeters (about the size of a matchbook!) are now available for about the same cost as ordinary fans. The 12-volt brushless DC motors were originally designed to keep the latest generation of microprocessors cool. But doubtless hams can find plenty of other uses for them!

#### **FIRST C-17 DELIVERED by Bruce Ames BASE 108 Ass't Editor**

I wrote in the May/June issue of *The Listening Post* about the new Air Force freighter dubbed the C-17 Globemaster III. The first production unit (P-6), S/N 89-1192, has been delivered from McDonnell Douglas to the 437th Airlift Wing at Charleston AFB (SC). It is planned that the 437th will be the first operational squadron with twelve C-17 airlifters by January 1988. In my May/June article, I stated that the first six aircraft are being flight tested at Edwards AFB and Naval Air Warfare Center, Patuxent River (MD). These aircraft are designated T1 and P1-P5. They have flown 400 missions with more than 1450 flying hours. P-6 is painted in the new Air Mobility Command's grey paint scheme and has been christened the Spirit of Charleston. Air Force Chief of Staff General Tony McPeak flew the airplane from Pope AFB to Charleston on its delivery flight. If you're in the area, check out Charleston AFB on 239.0 TWR, and on 344.6 372.2 284.0 319.8 & 257.1 McDonnell Douglas at Patuxent River is on 123.55 The Naval Air Warfare Ctr is on 340.2 TWR and 354.8 281.8 314 353.6 & 384.4 McDonnell Douglas at Edwards is on 123.2750 Check out Edwards on 290.3 348.7 339.9 269.9 & 390.1 Tower is on 236.6

### **AIRCRAFT ???QUESTIONS???? By Roger West**

Each month I get several letters from members asking questions related to aviation, so I would like to take some space here to answer some of the most asked questions.

**Q:** Is there a map showing airports in my area?

**A:** Yes, You can write to: California Department of Transportation, Bureau of Aeronautics, Sacramento, California. Some states charge for them but here in Wisconsin they are free so be sure to ask. The maps are full of some great information.

**Q:** Are there any computer disks I can purchase to better understand the aviation industry?

**A:** This is an excellent question, and yes there are several disks on the market! Write to Tallon Software, P.O.Box 27823, Seattle, Wa. 98125 and to The Software Labs, 100 Corporate Point, Suite 195, Culver City, California. Another good catalog is put out by Software Excitement!, Inc., IBM Dept, 6475 Crater Lake Highway, Central Point, Or. 97502-9495.

### **RENO AIR RACE CREW by Bruce Ames BASE 108 Ass't Editor**

Fascinated by airplanes? Love speed and noise? Like Reno in the Fall? Wonder what makes a P-51 Mustang go zoom? If you can answer yes to these questions, than you might be interested in being part of a Reno Air Race crew. The Museum of Flying is presenting a once in a lifetime offer to be a member of a pit crew and participate in the '93 Reno Air Races. The package includes a 5 day pit pass, a limited edition crew uniform, Museum of Flying membership, and hands-on maintenance experience. The cost of this program is \$985.00 Call (310) 392-8822 Ext-506 if you are interested.

### **REVIEW OF THE N.O.A.A. LOCKHEED WP-3D RESEARCH AIRCRAFT by Roger West, Aviation Editor.**

The Lockheed WP-3D Aircraft is used by the National Oceanic and Atmospheric Administration for research and for tracking hurricanes.

Being a member of the National Weather Service Severe Weather Spotter Net, I was invited to take a tour of the WP-3D Aircraft when it was at the St.Paul/Minneapolis, MN. International Airport for several days. It is crammed full of some complex equipment to measure such things as the temperature, pressure, dewpoint, wind speed, doppler radar (X-band), a complete aerosol system, a photo lab, and much much more! It is stationed at MacDill Air Force Base, Florida, and the crew consists of two pilots, one navigator, one flight engineer, a flight director/meteorologist, a electronic engineer, technician, many radios, 10 scientists/observers for a total crew of 18 people.

The WP-3D Lockheed Orion aircraft operated and maintained by AOC are four-engine, turbo-prop research platforms which, in addition to flying hurricane research and reconnaissance missions, participate in a wide variety of national and international meteorological and oceanographic research programs each year. Recent work by these aircraft has included major studies along the east coast of the United States on the genesis and rapid intensification of winter storms, gas and aerosol studies in the Arctic and studies of the large scale convective storm complexes in the Midwest.

### **"WRECK CHASING" by Bruce Ames BASE 108 Ass't Editor**

If you are an aviation buff, you may be interested in a new book that I've discovered. It's called *Wreck Chasing - A Guide To Finding Aircraft Crash Sites*. This book has information on how to locate aircraft crash sites and how to research a crash from start to finish including latitude/longitude of almost 500 known sites. The book explains how to procure Navy & Air Force crash reports along with topo maps. The book is 80 pages with 64 B/W illustrations and includes stories of crash sites that were visited along with recovered aircraft. The book is \$9.95 + 8 1/4% CA state sales tax from Pacific Aero Press, PO Box 20092, Castro Valley CA 94546.

### **NEW PUBLIC SERVICE FREQUENCY by Roger West**

A new national Public Safety Frequency Safety Calling Channel has been established for all public

fety agencies like local government, police, sheriff, fire, highway departments, forestry conservation and the local emergency radio service. The frequency is in the 800 MHz. Band of 866.0125 MHz. Initial contact will be made on 866.0125 MHz and then transmissions will be shifted to tactical channels. The transmissions will be in clear voice and a standard PL of 156.700 MHz will be used. This frequency will be used along with the similar frequency of 155.475 MHz.

Four other National Mutual Aid Channels have also been set up to provide communications between other departments and agencies. These frequencies are as follows: 866.5125 (channel 639), 867.0125 (channel 677), 867.5125 (channel 715) and 868.0125 (channel 753).

I have programmed these new channels into several of my scanners, but have yet to hear any communications on them. I understand that these frequencies will be transmitted through repeaters in most cases. If any of the members hear any activity on these new frequencies please write and give as many details as possible.

**FORE THINGAMAJIGS, GIZMOS & WHAT-NOTS** by Bruce Ames BASE 108 Ass't Editor  
 Do you ever operate mobile and wish that you had a 115 VAC outlet in your vehicle to operate a "base station" piece of equipment? Fortron International Corp. in Fremont has the solution, allowing you to put an AC outlet in your car, truck, boat, etc. All you do is plug the *Power Companion* into a cigarette lighter socket and get AC power. You can run your scanner, TV or a lot of other devices from this unit. The Power Companion has 150 watt continuous power. The price is \$89.00 plus CA state tax and includes free shipping. Call (800) 388-0099 or (510) 490-9474 for more info.

#### AMATEUR SERVICE GROWTH REPORT-MARCH 1, 1991 VS. JUNE 1, 1993) CALIFORNIA

REPORT - Information provided by Roger West

EXTRA		ADVANCED	GENERAL	TECHNICIAN	NOVICE	TOTAL
756	15124		15897	21340	15024	74141
						1993
EXTRA		ADVANCED	GENERAL	TECHNICIAN	NOVICE	TOTAL
798	15758		16510	34685	17314	92065

#### UNITED BAN by Bruce Ames BASE 108 Travel Editor

United Airlines has announced that effective July 1, 1993 it will ban the use of all portable electronic equipment on their flights during takeoffs and landings. The airline said it has not had any safety problems because of the devices, such as laptop computers and compact disc players, but is taking the precaution until further study can be made. The ruling does not apply to medical devices such as pacemakers and hearing aids. Pilots have expressed concern that electromagnetic emissions from the devices could interfere with the flight instruments which could be crucial below 10,000 feet, the limit of the United ban. Tune into United's operation when you're traveling. They can be found on 160.725 at any airport that they serve.

#### COMPUTER USERS CAN CONTACT WHITE HOUSE by Roger West

In recent months, the opportunities for connecting with the White House have expanded considerably. Connections to the White House are now available on CompuServe, America Online, MCI Mail, Prodigy, and the Internet. More than 13 million people are connected to these services.

These networks carry daily White House releases, including press statements, summaries of President Clinton proposals, the full text of speeches and position papers, and even announcements of government appointments, complete with biographies.

You can send E-mail to the White House. On CompuServe, the command "Go White House" prepares a message for the president. America Online users can send mail to "Clinton Pz." MCI Mail offers the "View White House" option. Users can also read 5 classes of presidential news releases (Economic, Foreign, News, Social and Speeches) on a special bulletin board that MCI has set up by typing in "View White House." But the service is not free! Cost is 30 cents a minute while "on-line."

[This feature is also available on Prodigy and CompuServe. Ass't Ed.]

Prodigy has a "Write to Washington" feature, and Internet's address is 75300.3115 CompuServe.COM.

The White House has been receiving about 800 E-mail messages a day. Because of a shortage of computers and communications software, the White House cannot respond electronically.

Electronic messages are delivered to the White House on a disk, printed on paper, and then handled as regular mail by correspondence officials. E-mail correspondents are asked to send their postal addresses if they want a reply.

#### **MORE BULLETIN BOARD SYSTEMS by Bruce Ames BASE 108 Ass't Editor**

Most of you in the BASE Club are probably familiar with our Bulletin Board System (BBS). We have round-table forums where you can exchange ideas and information with other members on topics ranging from airlines to public safety to travel and virtually everything in between. Our BBS also offers a "library" where you can download hundreds of radio related files as well as a private E-mail facility. Did you ever get curious as to what other kinds of Bulletin Board Systems are out there? Dial up the AmeriBoard System in Indiana, PA and download a list of 6,000 boards around the country. Here is a listing of several in our local area that are on the Ameriboard list:

Ameriboard	(412) 349-6862		
Lefthanders World	(415) 726-7932	2400 bps	Left-handed info
Pacific Sandstone	(415) 359-6036	9600 bps	Physics & Chemistry
Public Seismic Network	(408) 226-0675	2400 bps	Earthquakes & volcano info

A couple of other boards also are worthy of mention. The U.S. National Crime BBS at (602) 846-4470 features topics on Scams, Warnings, Experiences as well as Conferences. This board supports up to 2400 bps. Also, the Small Business Administration (SBA) provides an on-line 800 number BBS. The SBA supports up to 2400 bps on (800) 859-4636 and 9600 bps on (800) 692-4636. This board has shareware as well as information. All BBS numbers in this article have communication parameters of 8,N,1.

**Bruce's Rule Number 4** - The longer you live, the older you get.

#### **ELECTROSTATIC DISCHARGE by Roger West.**

When you receive a spark from a doorknob on a day of low humidity, that's a sure sign that electronic components are in serious danger of electronic discharge (ESD). Just taking off a sweater in front of a computer poses a risk. Semiconductor manufacturers store integrated circuits in long, narrow tubes to prevent them from being shocked by EDS. The plastic, translucent tubes are treated at the factory so as to safely discharge any ESD hits. But sometimes an ESD hit is so severe that it can overpower the protection and render a set of integrated circuits completely useless. But an ESD hit leaves no obvious evidence at first glance. Only trying to put the chips into operation will reveal whether they are healthy or not. How do you know if they have taken a static blow?

GEC Plessey Semiconductors has introduced an ESD detector to tell the user if a tube of I.C.'s has been hit. The detector uses a liquid-crystal display that changes color after an ESD event, from opaque to red or black. Each detector measures only one square inch, and each is powered by a small lithium battery.

Best of all, these detectors can be attached to almost anything electronic that users want to protect. While they don't prevent ESD shocks, they do inform users if such events have occurred.

#### **NAVY GRAY EAGLE by Bruce Ames BASE 108 Ass't Editor**

Vice Admiral E.R. Kohn ( Cdr. Naval Air Force) recently retired from the Navy and passed the title of Gray Eagle to Vice Admiral J.O. Tuttle (Director, Space and Electronic Warfare) in a ceremony on board the USS Kitty Hawk docked at NAS North Island (San Diego) June 17. The Gray Eagle title is

held by the naval aviator with the **earliest designator as an aviator**. VADM Kohn received his wings in June 1956 and has over 5,000 flight time hours, 750 carrier arrested landings and 310 missions in Viet Nam. Kohn has flown the A-7 Corsair, A-1 Skyraider and the A-4 Skyhawk. VADM Tuttle received his wings in October 1956. The Gray Eagle award features a silver eagle landing on the arresting gear of a wooden deck depicting the *USS Langley* (Navy's first aircraft carrier). When you're in San Diego, check out NAS North Island on:

TWR	336.400	TWR Secondary	340.200
TWR Common	360.200	GND	352.400
Clnc	356.800	Pilot/Metro	344.600
Airfield	263.400	Depart/Discrete	272.600
Fire/Crash	140.050	Naval Investigators	140.075

The *USS Ranger* CV-61, aka the "Top Gun of the Pacific Fleet" was decommissioned July 10 at Naval Air Station North Island-San Diego.

### CAPACITOR SIZE TO SHRINK By Roger West

Surface-mount chip capacitors may get smaller! Although already present inside every HT radio, the new technique designed to further decrease size and increase performance will allow even more circuitry to be packed within the same area. Surface-mount chip capacitors perform the same task as ceramic bypass capacitors. They are in almost every new RF circuit built today. They are so small that over a hundred of them could fit in a thimble. Close examination shows that a chip capacitor looks like an unwrapped Hershey's chocolate bar, a dark bar with silver ends. The metallic ends provide the means of soldering the capacitor to the circuit board, as that is the only mechanical contact: soldering. The new thin-film chip capacitors are wider, but their metallic foot pads are much thinner. This means more capacitance, and it also means that the average height of the chip capacitor will shrink.

**MARITIME FREQS:** Claudia (BASE 580) of Muir Beach contributed the following marine frequencies:

Chan	Ship Xmit	Ship Receive	Usage
1A	156.050	156.050	Port operations and commercial
5A	156.250	156.250	Port operations
6	156.300	156.300	Intership safety
7A	156.350		
	156.650		Ship Traffic (Coast Guard Channel 13)
	156.600		Lane Traffic (Coast Guard Channel 12)
	156.500		Marine Exchange
	500 Khz		Radio Shore Station for Medical Advice.

**73 and Have a Great Listening Day de THE BASE CLUB.**



# DataCheck

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**THE LISTENING POST** is the newsletter of the **Bay Area Scanner Enthusiasts (B.A.S.E.) Club**, 105 Serra Way #363 Milpitas, CA 95035. The newsletter size varies from issue to issue, depending on member contributions. You and your inputs are the key to our success in having a rewarding scanner club newsletter. The newsletter contains a wide variety of material pertaining to the radio monitoring hobby. If this newsletter brings some information to you that will assist you in your hobby, then our aim has been reached. IBM PC/clone compatible 3.5 or 5.25 inch disk media inputs using the ASCII or WordPerfect 5.1® format are welcome. Articles may also be submitted by members utilizing the BASE Club BBS. Subscription rate is \$25.00 for six issues. Sample issue: \$2.00; membership information for a business size Self-Addressed Stamped Envelope (SASE). Permission is hereby automatically granted to reprint from this newsletter, provided due credit is rendered the original contributor and the Listening Post. If there is something useful, we wish to share it. Advertising rates: Business Cards: one (1) issue, \$5.00; Copy Ready One-Half Page: one (1) issue, \$10.00; Copy Ready Full Page: one (1) issue, \$20.00. **SETTING THE RECORD STRAIGHT:** The Listing Post corrects all significant errors that are brought to the editor's attention. If you believe an error has been made, please address all correspondence to the editor. **DISCLAIMER:** Opinions expressed in the Listening Post are solely those of the person to who attributed. Advertising in the Listening Post does not constitute endorsement of the products therein. The B.A.S.E. Club/San Jose is not affiliated with the Base Station/Concord, it's owners or employees. **TO CONTACT MEMBERS:** If you need to contact a member whose address you do not know, you can have the BASE Club forward it for you. Put your message to that member in a stamped envelope with your return address and mail to the BASE Club address.

THE SPIRIT OF THE BASE CLUB: IT IS REALLY MORE THAN  
RADIOS--IT'S PEOPLE SHARING SOMETHING THEY ENJOY  
DOING AND BECOME THE BEST OF FRIENDS.

**A SCANNER HOBBYIST DOES IT WITH FREQUENCY**