

Scene from 1992 Field Day. (photo N6PLQ)



DATED MATERIAL:
PLEASE DO NOT DELAY

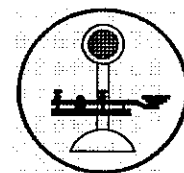
D

JOHN BRECKENRIDGE
WB6FRZ
574 WILD OAK DR
WINDSOR, CA 95492

ADDRESS CORRECTION REQUESTED

Sonoma County Radio Amateurs, Inc.
PO Box 116
Santa Rosa, CA 95402

BULK RATE
U.S. POSTAGE PAID
SANTA ROSA, CA
PERMIT NO. 658



SHORT SKIP



Sonoma County Radio Amateurs, Inc.

Club Station

P.O. Box 116

Repeater Station

SEPTEMBER 1994 W6LFJ

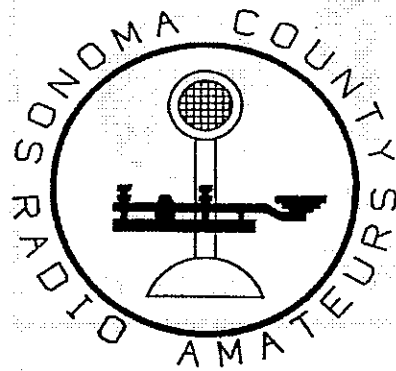
Santa Rosa, CA 95402

WB6PVS

VOL 19 #9

KB6PTA's Field Day Mobile Antenna Installation: (Photo tnx Rick K6ZWB)





OFFICERS FOR 1994

PRESIDENT:	Merlyn Pfeiff	N6VUC	584-3898
VICE PRESIDENT:	Kelly Cureton	KD6CJQ	837-9434
SECRETARY:	Alan Bloom	N1AL	538-7115
TREASURER:	Mike Michlig	KN6JQ	526-9655
MEMBERS-AT-LARGE:	Kathy Mahan	KC6UXJ	823-4980
	Marie Mappus	KI6QY	664-1978
REPEATER CHAIRMAN:	Jim Rutherford	WB6PER	526-2972
ACTIVITIES CHAIR:	Mike Knope	KD6LYU	762-3236

SHORT SKIP STAFF:

EDITOR:	Alan Bloom	N1AL (e)	538-7115
	1578 Los Alamos Rd, Santa Rosa, CA	95409 (d)	577-3981
CIRCULATION MGR:	June Linnehan	KD6LSU	
SWAP SHOP EDITOR:	Greg Cowles	KE6FXK	829-1583

BBS EDITORS: Pete Sourek KC6UXM, and Allan Chapman W6MEO
 AUDIO TAPING: John Breckenridge WB6FRZ, Laurel Meyer KC6FKX, Bob Phillips N6RMW

Activities Committee:

Pub. Service: Maris Mappus KI6QY 664-1978
 Pub. Relatns: Steve Carniglia KK6VY 579-9608
 Field Day Chairman: Mike Knope KD6LYU

TVI/RFI: Al Bloom N1AL 538-7115
 Antennas: Joe Senft KM6TN 578-5824

Awards: Steve Lund WA8LLY 823-4544
 VEC Exams: Dave New AA6YX 829-6608

Education: Steve Carniglia KK6VY 579-9608
 N1AL WB6FRZ KC6RHA KK6VY
 WB6TMY K6XZ K6ZWB KC7VS

Refreshmnts at meetings: Bob Olsten WD6DPE
 Raffle at meetings: Jim Durkin KE6FSK

Membership lottery: Jim Andrews KC6PJW

RACES RO: Jim Pelmulder N6PTM 823-7947

ARRL Liaison: Alan Bloom N1AL 538-7115

Badge Chair: Fred Leoni N6YEU 431-8202

Packet BBS: John WX3K and Jim KC6PJW

Repeater Control Op's:

WB6PER Jim 526-2972 N6PTM Jim 823-7947
 WD6CKP Hoppy 542-6750 N6VUC Merl 584-3898
 KD6CJQ Kelly 837-9434

SHORT SKIP ADVERTISING RATES:

Business cards: \$10

\$11 First 1/4 Column
 \$3 Additional 1/4 Columns
 (\$32 Full Page, 1 side)

Pre-printed inserts: \$32/sheet

Guaranteed circulation: 200/month
 AD DEADLINE: 10th of previous month

Club Meetings:

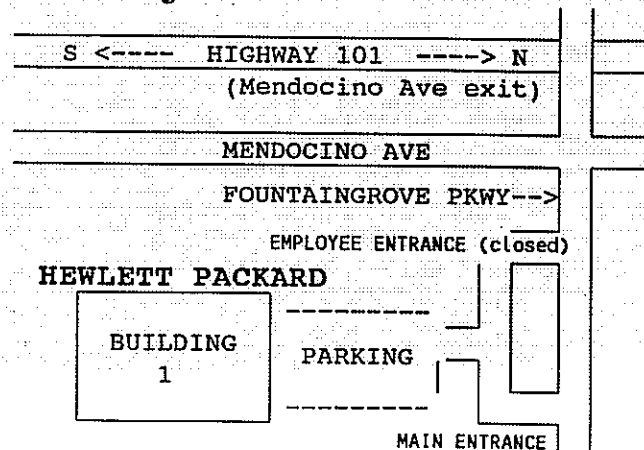
7:30 PM, 1st Wednesday each month at the
 Hewlett Packard plant in Santa Rosa. (See
 map below.) All are welcome.

Next Meeting: September 7, 1994

ARE YOU NOT AN SCRA MEMBER?

If so, then this is a complimentary copy.
 Our club is involved with almost every area of
 Amateur Radio: Repeaters (13/73), Field Day,
 license classes (Novice through Extra),
 volunteer exams, RACES, DX programs,
 packet radio, hidden xmtr hunts -- you name it.

We invite you to attend our next monthly
 meeting (see below) or check into the Tuesday
 night SCARS net on the 146.13/73 repeater at
 7PM. You will hear the latest Amateur Radio
 Newline broadcasts, announcements of SCRA
 activities and a Swap Shop. Membership in
 SCRA is open to anyone interested in Amateur
 Radio. If you would like to join, there is a
 membership application on page 11. Hope we
 can have an "eyeball" QSO with you at the
 next meeting! 73 ...



Jim Pelmulder
 N6PTM (707) 823-7947

NOB HILL ELECTRONICS REPAIR

Amateur - Commercial - Scanners
 TV - VCR's - Audio

Sta. Lic. No. 2801 Gravenstein Hwy. No.
 26191 Sebastopol, CA 95472

Voice and Fax phone -- (707) 585-3465

Hobbyist-Friendly Circuit Board Fabrication

Short Order Electronics

Single & Double sided, rivetted-through holes
 Schematic & PCB design, drawing, and scanning

Dave Duchesneau - KD6LSA
 71604.226@compuserve.com

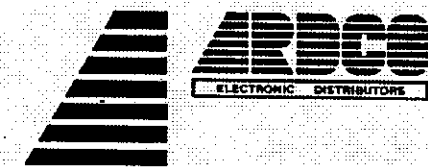
125 Francis Circle
 Rohnert Park, CA 94928

HSC Halted
specialties co.
 Electronics • Prototyping Supplies • Computers • Lasers

George Shedore
 Manager
 KS6W

6819 REDWOOD DRIVE
 COTATI, CA 94931

PHONE: (707) 792-2277
 FAX: (707) 792-0146



345 West College Ave, Santa Rosa, CA 95401 (707) 527-6000

STEVE BASHAM
 Manager

Application for Membership in SCRA

Name _____ Callsign _____ Lic. Class _____
 Addr. _____ Phone Nr _____ () New Mbr
 _____ ZIP _____ Date _____ () Renewal

Dues: \$12/year, \$18/year family. New members also pay a \$6/person initiation fee. Dues for new members *only* are pro-rated \$1 (\$1.50 family) per month, starting at renewal time, March 1.

I WOULD LIKE TO PARTICIPATE IN:

- () Public Service Events
- () RACES or ARES Emergency services
- () Field day, other operating events
- () Helping with SCRA Flea Market
- () Acting as club Net Control Station
- () Helping with *Short Skip* newsletter
- () Taking a Novice class
- () Teaching a Novice class
- () Taking an upgrade class
- () Teaching an upgrade class

() Other _____

Badge (New Members only)

Fill in this section exactly as you
 want it to appear on your badge.

Callsign _____

First Name _____

City _____

HAM RADIO OUTLET

WORLDWIDE DISTRIBUTION

SUNNYVALE, CA 94086
510 Lawrence Expwy. #102
(408) 736-9496
(800) 854-6046

OAKLAND, CA 94606
2210 Livingston St.
(510) 534-5757
(800) 854-6046

Phone Hours: 9:30 AM to 5:30 PM
Store Walk-In Hours:
10:00 AM to 5:30 PM Closed Sundays

ANAHEIM, CA 92801
933 N. Euclid St.
(714) 533-7373
(800) 854-6046
Janet, WA7WMB
Near Disneyland

OAKLAND, CA 94606
2210 Livingston St.
(510) 534-5757
(800) 854-6046
Rich, WA9WYB, Mgr.
I-880 at 23rd Ave. ramp

SAN DIEGO, CA 92123
5375 Kearny Villa Rd.
(619) 560-4900
(800) 854-6046
Tom, KM6K, Mgr.
Hwy. 163 &
Claremont Mesa

SUNNYVALE, CA 94086
510 Lawrence Expwy. #102
(408) 736-9496
(800) 854-6046
Tom, KB6LUC, Mgr.
Lawrence Expwy.
So. from Hwy. 101

VAN NUYS, CA 91411
6265 Sepulveda Blvd.
(818) 988-2212
(800) 854-6046
Jen, KB6ZBI, Mgr.
San Diego Fwy.
at Victory Blvd.

NEW STORE!
NEW CASTLE, DE 19720
1509 N. Dupont Hwy.
(302) 322-7082
(800) 644-4476
Jim, K3GHO, Mgr.
RT.13 1/4 mi., So. I-295

Bob Ferrero W6RJ, President/Owner

AZ, CA, CO, GA, VA residents add sales tax.
Prices, specifications, descriptions, subject
to change without notice.

PORTLAND, OR 97223
11705 S.W. Pacific Hwy.
(503) 598-0555
(800) 854-6046
Earl, KE7BA, Mgr.
Tigard 99W exit
from Hwy. 5 & 217

DENVER, CO 80231
8400 E. Iliff Ave., #9
(303) 745-7373
(800) 444-9476
Joe, KD0GA, Mgr.

PHOENIX, AZ 85015
1702 W. Camelback Rd.
(602) 242-3515
(800) 444-9476
Gary, WB7SLY, Mgr.
East of Highway 17

ATLANTA, GA 30340
6071 Buford Highway
(404) 263-0700
(800) 444-7927
Mark, KJ4VQ, Mgr.
Doraville, 1 mi.
so. of I-285

WOODBRIIDGE, VA 22191
Washington D.C. area
14803 Build America Dr.
(703) 643-1063
(800) 444-4799
Curtis, WB4KZL, Mgr.
Exit 54, I-95, South to US 1

SALEM, NH 03079
Boston, MA area
224 N. Broadway
(603) 898-3750
(800) 444-8847
Chuck, KM4NZ, Mgr.
Exit 1, I-93,
28 mi. No. of Boston

ALINCO

DJ-580T

2M/440 Dual Band
40 Mem Channels
DSQ, Dual Display
CTCSS Enc/Dec Built-in
Cross Band Full Duplex

CALL FOR
SPECIAL
LOW PRICE

YAESU

HANDHELDS

FT-530

2M/440MHz

2W standard, 5W opt.
82 Mem, Dual In-band Rx
DTMF paging + coded Sgl. std.
Built-in VOX & CTCSS
Auto tone search
Built-in clock • Backlit keyboard

SPECIAL PRICING!

KENWOOD

TS-50S/TS-60S

HF Transceiver 6M

TS-50S - World's smallest HF transceiver
100W out, (90W TS-60S, 50MHz only)

SSB, CW, AM, FM,
12V Gen. Cov. RX, 6.4 lbs., 7.16 x 2.4 x 9.32"
105 db dynamic range, 100 Mem.
Optional external ant. tuners available (TS-50S only)

ICOM

HANDHELDS

IC-D1A

2M/440/1.2 Tri-Band

IC-W2A/IC-X2A

IC-W21AT, 2M/440

IC-21A, 2 meter

IC-24AT, Duo Band

IC-2SRA, 2M + Wide Rx

IC-2GXAT, 2M

IC-T21A, 2M

ALINCO

DR-600T

2M/440 FM Transceiver

45W/35W + Airband RX
Detachable/Removable Head
Keyboard freq. entry from microphone!

CALL FOR SPECIAL PRICE

YAESU

FT-990



100W HF Gen Cov Transceiver
DDS, QSK • 500Hz CW Filter included
CALL FOR LOW PRICE

KENWOOD

HANDHELDS

TH-28A

2M/2.5W DTSS

240 Mem.

w/optional mem. unit
UHF RX

TH-22AT

Ultra Compact

2M HT, 5W optional

40 memories

Encode Built-In

ICOM

IC-737

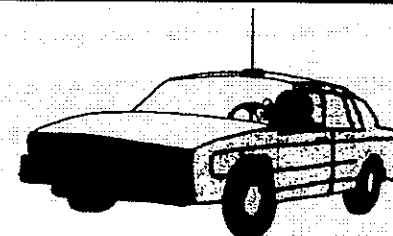
HF Transceiver



12V 100W w/auto Ant. Tuner
Built-in Gen Cov. RX, 101 Mem.
DDS, QSK, Passband tuning

Priced So Low, We Can't Print It!
Call For Your Low Discounted Price!

Fox Hunt!



The next "fox hunt" (bunny hunt, transmitter hunt, whatever) will be Saturday September 24, from 10 AM to 12 noon or so. Everybody will start from Piner High parking lot, and the "foxes" (Rick K6ZWB and Phil KC6BSI) will be somewhere within a 7-mile radius. Look for them on 146.46 MHz simplex. Bring a sack lunch for the after-hunt confab. [A clue as to the hiding location??? - ed]

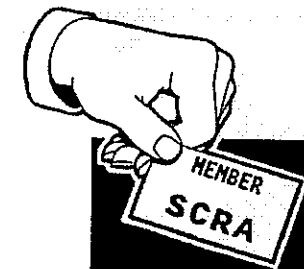
Want to work Moonbounce?



Again in 1994, the Toronto VHF Society, VE3ONT, will participate in the ARRL EME contest using the Institute for Space and Terrestrial Science's 46 meter (150 ft) dish. Operations on 144, 432 and 1296 MHz are planned on various days during the two weekends (Oct 29/30 and Nov 26/27).

An Oscar-class station (100 watts to a long yagi) should be sufficient to make a contact. N1AL has the announcement with more info, if anyone is interested.

New Members & Corrections



MICHAEL MICHIG KN6JQ
3823 MOSS HOLLOW CT
SANTA ROSA, CA 95404
526-9655

ROBERT BROWNE W6AHH
2339 MEYERS DRIVE
SANTA ROSA, CA 95403
542-2756

KEN WILLIAMSON KD6GAC
4706 HILLSBORO CT
SANTA ROSA, CA 95405
545-7600

CLAUDE JONES AB6OL
3612 BANYAN ST
SANTA ROSA, CA 95403
527-8593

LARRY GUSTAFSON KD6VUM
549 IRWIN LN
SANTA ROSA, CA 95403
523-0266

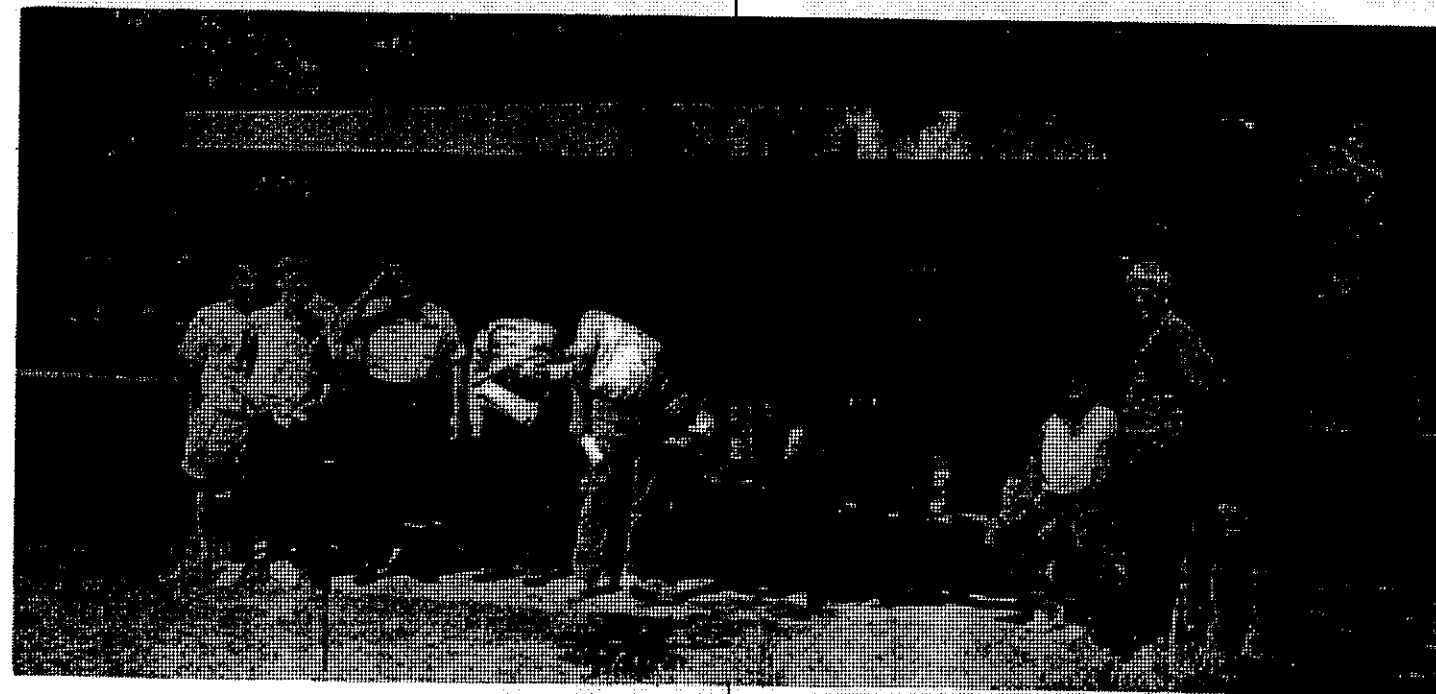
GEORGE SPLANE KE6IIB
2880 CREEKSIDE RD
SANTA ROSA, CA 95405
573-9407

STEVE GEBHARD WDOEVS
4002 PORTER CREEK RD
SANTA ROSA, CA 95404

JIM DURKIN KE6FSK
101 FITCH ST
HEALDSBURG, CA 95448
431-2439

KEVIN SLUCKER WA2KDK
2218 NORDYKE AVE
SANTA ROSA, CA 95403

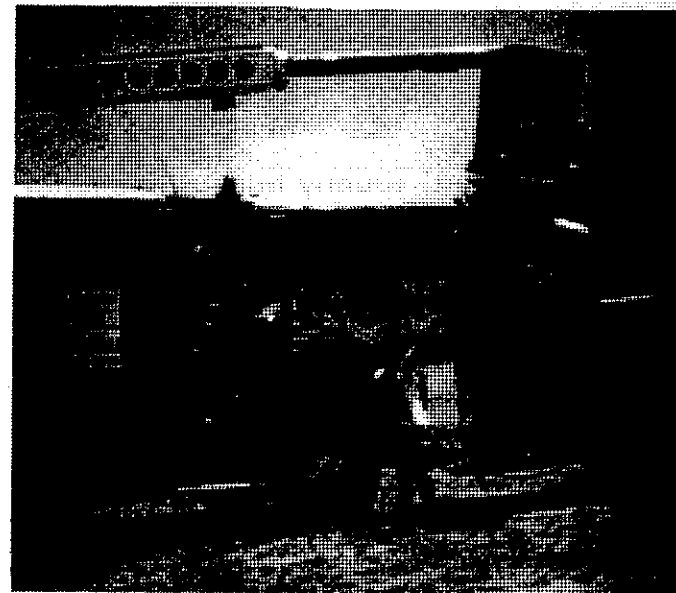
(Photo: tnx John W6TLK)



(Photos tnx Mike KD6LYU)



"The fellow on top of the tower says he has to go..."



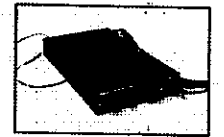
(Photo tnx Rick K6ZWB)

HSC ELECTRONIC SUPPLY

GOODIES FOR THE RADIO AMATEUR:

RAMSEY KITS:

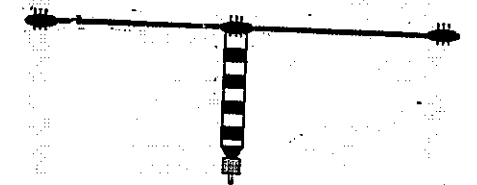
- 50/144/220/440 MHz Synthesized Transceivers
- VHF power amplifiers
- All-mode HF receivers
- QRP CW Transmitters
- Etc...



- MFJ accessories
- Code keys
- Wire Antennas
- Surplus Electronics
- Tools, parts, Etc...

ARRL BOOKS:

- ARRL Handbook
- License Manuals
- Antenna Books
- Etc...



YOUR IBM CLONE HEADQUARTERS

FROM PC-AT's TO STATE-OF-THE-ART 80486 SYSTEMS,
YOU'LL FIND IT AT HSC



- Complete systems
- Cases, Supplies, Motherboards
- Hard/Floppy Discs, Monitors
- I/O Cards, Memory Chips
- Software, Etc...

HSC
Electronics • Prototyping Supplies • Computers • Lasers

Halted
specialties co.

George Shedore
 Manager
 KS6W

6819 REDWOOD DRIVE
 COTATI, CA 94931

PHONE: (707) 792-2277
 FAX: (707) 792-0146



NEWS of Amateur Radio

by Brad Wyatt K6WR
ARRL Div. Director

Brief Update on the ARRL July Board Meeting:

I and Vice Director Maxwell attended the ARRL Board of Directors meeting in Newington July 15 and 16. The minutes will be published in September QST.

It was a very productive meeting. Among other actions, by my motion, the Board voted to ask the Spectrum Committee to develop a census/inventory of all current and planned activity from 420 MHz to 300 GHz to prepare us for future spectrum challenges like the NTIA spectrum reallocation plan. Also by my motion, the Board commended the ARRL staff for responding extraordinarily well to the NTIA plan and FCC docket with very short turn around times and for supplying interested members with data to support their own comments.

Vice Director Maxwell developed and the Board adopted new Terms of Reference (guidelines) for the newly created RF Safety Committee.

Update on the Effort to Save the 13 cm. Band:

The big news is that on August 10, the FCC released to the Secretary of Commerce a 32-page report which analyzes the public comments, along with any comments or recommendations the FCC deems appropriate. The report strongly supports continued Amateur Radio presence in the band and disagrees with NTIA's preliminary recommendations that large portions of the band be reallocated for other uses. While the FCC report praised NTIA for its efforts, it stated that the NTIA proposals require modification. It noted that "the largest factor affecting the future use of these bands is their existing availability for use by the Amateur service."

ARRL President George Wilson W4OYI stated, "While we're not out of the woods on this one yet, it is beginning to look like the comments filed by knowledgeable West Coast hams combined with the League's Washington effort may well succeed in carving out territory for continued Amateur development in the microwave bands." Way to go, gang!

FCC Proposes HF Digital Changes:

On June 13, FCC proposed to amend the amateur rules to allow automatic control of digital stations under certain conditions on the HF bands. August QST, page 71, carried all the details. Please review this material and send me your thoughts as soon as possible so they can be factored into the ARRL comments by Oct. 1.

Vanity "Preferred" Callsigns - Latest News:

FCC officials have indicated that the vanity call implementation should occur by the end of the year or early 1995. The latest news is that Congress has decided to

change the \$7 per year fee for the licenses to a one time application fee of \$150. It was the judgment of Congress that this change was "revenue neutral" and would ease the burden of billing and collection on the FCC. Also, it would get the dollars up front which is an advantage to Congress and the Administration.

Congressional Legislative Report:

The big news is that HJR 199 has been added to HR 4522, the FCC Authorization Act of 1994. This "bundling" is a favorite tactic in Congress to get various bills which mutually support each other tied together. The FCC Act has passed all House Committees although amendments on the floor are technically possible, but not likely. The FCC bill has now been placed on the "consent calendar" (non-controversial bills) to be passed in one big vote by the House. We now need to start the "thank you process" for all 246 House members who signed on as co-sponsors.

The identical resolution in the Senate (SJR 90) now has 46 co-sponsors. CA Senator Diane Feinstein is the latest co-sponsor from the Pacific Division. What will happen to this bill is as yet unclear, but it may become part of the FCC bill when it arrives in the Senate from the House. We still need to continue to try to convince California Senator Boxer and Nevada Senators Reid and Bryan to become co-sponsors. Hawaii is 100%!

It now appears that we have the best chance in years of getting some basic Amateur Radio support legislation to become law. The long term result should be better enforcement activity and more material to help with the antenna ordinance and similar problems!

Massive FCC Reorganization:

On Monday, Aug. 1, 1994, literally all the top Civil Service officials in the FCC changed jobs as part of a massive reorganization. While the end result is difficult to forecast, there is hope for better enforcement activity and support for Amateur Radio in the long term.

Other FCC Matters - License Processing:

I have learned of several cases recently where new licenses have been received from the FCC in about 6 weeks from the time for the examination. This is down from the 12-14 weeks recently experienced. FCC apparently has applied additional resources and the new computer equipment to the process. Unfortunately, there is still a backlog of some 6,000 applications, going back to April, that require correction or questions.

Looking to the future, expect electronic filing of 610s. The procedures are now being worked out in collaboration with some VECs. The FCC plans to try some test downloads with the VECs in the fall of this year. If all goes well, the FCC could be fully on-line with the new 610 process by December 31.

Brad Wyatt K6WR, ARRL Pacific Div. Director,
18400 Overlook Rd #5, Los Gatos, CA 95030-5850
408-395-2501 Packet: K6WR@N0ARY.#NOCAL.CA
Internet: bwyatt@arrl.org

A Comet Story

by Dave Baysinger, WG0N



In mid-July astronomers worldwide were stunned as more than 20 pieces of shattered comet Shoemaker-Levy 9 crashed into the gas giant planet Jupiter. The fragments ranged in size from 1/2 to more than 2 kilometers and dove to their demise at more than 130,000 miles per hour. The Jovian atmosphere trembled and contorted. Black-eye look-alikes smudged the cloud tops and could even be seen through small backyard telescopes.

That first Saturday evening, when the first chunks were smashing around creating cosmic havoc, a small group of radio amateurs could be seen clinging to the frigid 14,264 ft. summit of Mt. Evans west of Denver. They had white knuckles, but wide grins on their cold faces, for on the evenings of July 16th and 17th, Denver Radio Club members Jim White WD0E, Tim Samaras WJ0G, and Dave Baysinger WG0N, assisted by Jeff KB0HKT, Matt KB2PCN, Steve NH6S, and Steve WB0FPV, conducted two marathon ATV transmission sessions totaling 7 hours. The trembling team transmitted live color fast-scan pictures and sound downhill to the Gates Planetarium and responded to "talk-back" questions from the public in a 250 seat auditorium at the Denver Museum of Natural History. The program featured interviews with astronomers working with the 24-inch telescope on the mountain, weather reports from the summit, descriptions of the various mountain top experiments in both infra-red and visible light and, naturally, demonstrations and explanations of the ham radio link.

Technically, the lashup was awesome! Jim WD0E received coaxial feeds from the Denver Museum's Ikegami color camera/microphone, which he injected into his 10 watt, 432 MHz ATV transmitter into an 11 element yagi beam horizontally polarized. Mountain top on-site TV monitoring insured that the transmitted picture was well synchronized and of high quality. Each evening at the Gates Planetarium, Tim WJ0G positioned himself on the west walkway amid a throng of 2000 people. The received signal arrived at his yagi antenna, fed a 432 MHz receiver and down converter, then traveled via coax cable to a planetarium outdoor monitor, inside tape recorder, and large-screen (6 ft.x8 ft.) video projector in the

auditorium. Transmissions began at 6:30 each evening and ended at 10:30 p.m. and 9:30 p.m. respectively. Mt. Evans systems, including a 600 watt TV light, were powered by a "field day type" generator.

"Talk-back" service was provided to Planetarium Manager, Don Asquin, who spoke to WJ0G from the auditorium, a signal which was uplinked to the mountain summit on 144.34 MHz. On Mt. Evans the signal was received on a trunk-mounted duo-band antenna and crosslinked to 446.100 MHz for local access to HT's on belts, in cars, and inside the metal dome of the observatory.

Throughout the operation, we got high quality ATV color pictures with clean FM sound in the jammed auditorium. Dave WG0N, our "reporter" and photographer/ATV operator on the mountain could hear questions from the public directed to the summit. Since the entire system was full duplex, it was even possible to interrupt Asquin for question clarifications.

The public was extremely pleased with the coverage — comments, applause and letters received by the Gates Planetarium attest to that. Fascinating ham radio technologies were "super-glued" together with gratifying success. Field engineers from Denver TV stations, peering from their \$250,000 microwave remote trucks, were heard to ask more than once, "....but, how are you doing this?"

High on the mountain, above 45% of Earth's atmosphere, there was a dark starry sky above and the countless lights of Colorado front range cities scattered 9000 feet below. The 35 degree cold and wind-driven chill factor combined to insure that microphones stayed firmly affixed in the hands that gripped them. "But, gosh, it's adventure, Mom." "We're Amateur radio operators." "There's a comet hitting Jupiter and we have to be first".

Tnx Denver RC "Round Table." Rich W0HEP

RENEW YOUR ARRL MEMBERSHIP THROUGH THE CLUB AND THE CLUB GETS TO KEEP \$2 (no expense to you). Make out your check to SCRA, and send it with your ARRL renewal form to SCRA, PO Box 116, Santa Rosa, CA 95402 or give it to the Treasurer.

Proposed Amendment of the Constitution and Bylaws by Jim Pelmulder N6PTM

At present, the Constitution and Bylaws of the Sonoma County Radio Amateurs Inc. include extensive language to separate funds used for the Repeater from those used for all other purposes. This language dates back to a time when the SCRA was formed from two different Amateur Radio clubs, one which was the "repeater club" and the other which was not. The result has been a complex formula for allocating dues, confusing bookkeeping requirements and the need to maintain unrelated bank accounts.

The Articles of the Constitution and Bylaws that relate to this subject are as follows:

CONSTITUTION:

ARTICLE X ALLOCATION AND DISBURSEMENT OF INCOME

1. SCRA monies shall be divided into two separate accounts, the General Fund and the Repeater Fund.
2. These two funds shall be kept in separate bank (or other financial institution) accounts and maintained by the Treasurer.
3. Expenditures from either fund must be approved by the Board of Directors. Any expenditures over a certain amount as defined in the Bylaws shall be approved by the General membership.
4. Repeater funds shall be used only for repeater expenses.
5. 50 per cent of all SCRA income from dues and initiation fees shall go into the Repeater Fund, the rest accruing to the General Fund until the Repeater Fund reaches an upper limit as specified in the Bylaws. When this happens, no more monies go to the Repeater Fund until it falls to its maintenance limit (as specified in the Bylaws) when the 50 per cent rule will again take hold. If the Repeater Fund drops below its lower limit (as defined in the Bylaws), the Board shall take up the matter at the next Board meeting to determine remedial action. The General Fund will not be used to bring the Repeater Fund up to its minimum.
6. The Board may from time to time authorize special fund-raising events with proceeds earmarked for one fund or the other.
7. Any out-of-the-ordinary repeater expenses shall be decided by the membership.

BYLAWS:

3. The Repeater Fund upper, maintenance, and lower limits shall all be \$750.
12. The money amount mentioned in Article X, Section 3 shall be \$250 or 50% of total club monies whichever is less.

Whereas the Sonoma County Radio Amateurs Inc. have long since congealed into a homogeneous organization representing all aspects of Amateur Radio and have established a solid pattern of responsible fiscal management.

And whereas the present language of the Constitution and Bylaws is obsolete, I therefore make the following motion:

(next page)

Article X and its subsections and the Bylaws be amended to read:

ARTICLE X ALLOCATION AND DISBURSEMENT OF INCOME

1. SCRA monies shall be divided into bookkeeping categories as recommended by the Treasurer and approved by the Board of Directors in conjunction with preparation and approval of the annual budget.
2. SCRA funds may be kept in separate checking and savings accounts. The location (financial institution) of these accounts shall be at the recommendation of the Treasurer and the approval of the Board of Directors. The amounts of monies to be divided between these accounts shall be at the discretion of the Treasurer.
3. Expenditures of any funds must be approved by the Board of Directors. Any expenditure over an amount specified in the Bylaws shall be approved by the general membership.

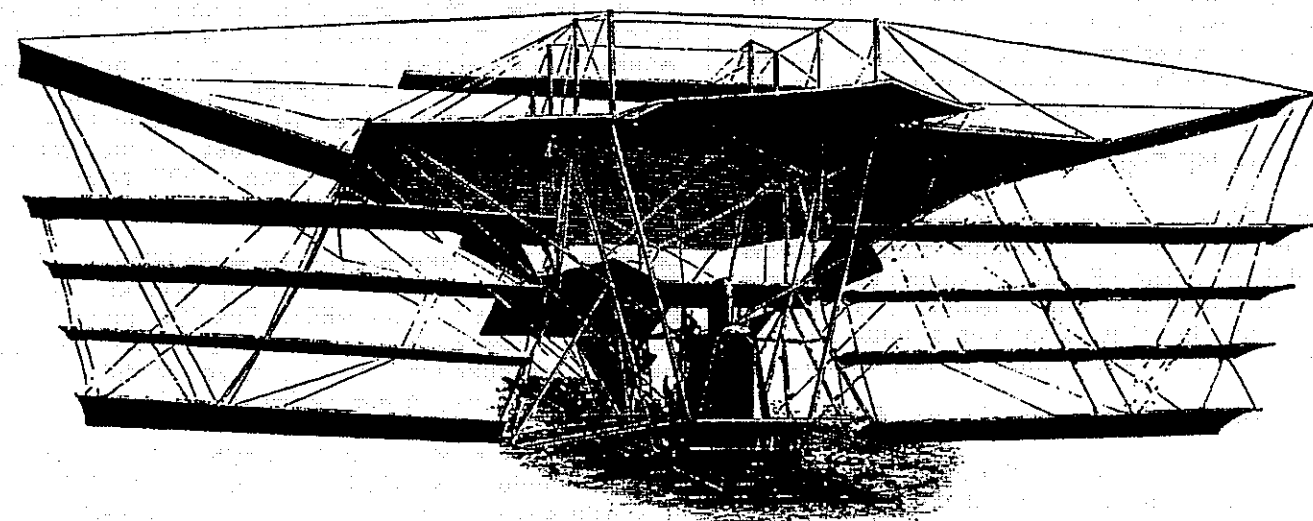
BYLAWS

3. Deleted.
12. The money amount mentioned in Article X, Section 3 shall be \$500.

End of Motion. For submission at the August 1994 SCRA meeting.

From Scientific American magazine, September, 1894:

"On Tuesday, July 31, for the first time in the history of the world, a flying machine actually left the ground, fully equipped with engines, boiler, fuel, water and a crew of three persons. Its inventor, Mr. *Hiram Maxim* [Sr.], had the proud consciousness of feeling that he had accomplished a feat which scores of able mechanics had stated to be impossible. Unfortunately, he had scarcely time to realize his triumph before fate interposed to dash his hopes. In a moment the machine lay stretched on the ground like a wounded bird with torn plumage and broken wings. Its very success was the cause of its failure, for not only did it rise, but it tore itself out of the guides placed to limit its flight, and for one short moment it was free. But the wreck of the timber rails became entangled with the sails, and brought it down."



The Maxim flying machine