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ASTRON 20M power supply, current & voltage meters, var current and voltage control \$75.
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PARTS CABINET 20-drawer (1 missing) \$4.
AI N1AL 538-7115.

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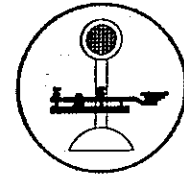
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DUES ARE DUE
This Month

JOHN BRECKENRIDGE
WB6FRZ
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PO Box 116
Santa Rosa, CA 95402

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SHORT SKIP



Sonoma County Radio Amateurs, Inc.

Club Station
W6LFJ

P.O. Box 116
Santa Rosa, CA 95402

Repeater Station
WB6PVS VOL 17 #3

MARCH 1992

ARRL NATIONAL CONVENTION

August 20 - 23, 1992

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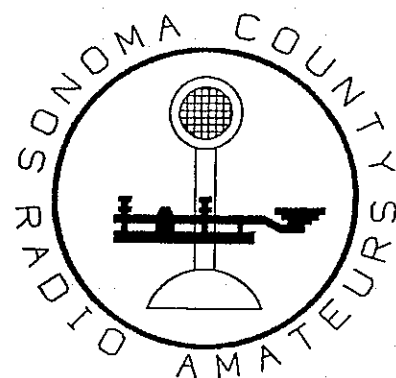
ADDRESS _____

CITY _____ STATE _____ ZIP _____

HOW MANY?	AMOUNT
_____ Early Bird Registration (Before 5-15-92 - Includes Pin)	● \$10.00 _____
_____ Pre-Registration (Before 8-1-92)	● \$12.00 _____
_____ Admission (After 8-1-92) (16 years and under - Free)	● \$15.00 _____
_____ Saturday Breakfast	● \$12.00 _____
_____ Saturday Luncheon	● \$15.00 _____
_____ Saturday Banquet	● \$30.00 _____
_____ Sunday Breakfast	● \$12.00 _____

TOTAL ENCLOSED: _____

Make checks payable to HAMCON Inc., P. O. Box 570756, Tarzana, CA 91356



OFFICERS FOR 1992

PRESIDENT: Merlyn Pfeiff N6VUC 584-3898
 VICE PRESIDENT: Rick Reiner K6ZWB 542-6907
 SECRETARY: Alan Bloom N1AL 538-7115
 TREASURER: John Gauger KK6XT 829-2599
 MEMBERS-AT-LARGE: Bill Splaine N6GHG 431-8636
 Gary Gouger KC6WTE 575-9119
 REPEATER CHAIRMAN: Jim Rutherford WB6PER 526-2972
 ACTIVITIES CHR: Jim Pelmulder N6PTM 823-7947

SHORT SKIP STAFF:

EDITOR: Alan Bloom N1AL (e) 538-7115
 1578 Los Alamos Rd, Santa Rosa, CA 95409 (d) 577-3981
 CIRCULATION MGR: Bill Splaine N6GHG
 SWAP SHOP: Hank Davis W6DTV 823-7885

ARRL Liaison: Alan Bloom N1AL 538-7115
 Ast. Director: Chuck Sabin N6DDK 795-2371
 Badge Chair: Jim Pelmulder N6PTM 823-7947

Activities Committee:

Pub. Service: Kathy Mahan KC6UXJ 823-4980 and Don KD6HQ and Rick N6RXA
 QSL Mgr: Bill Splaine N6GHG 833-1873
 TVI/RFI: Al Bloom N1AL 538-7115
 Awards: Steve Lund WA8LLY 823-4544
 VEC Exams: Steve Lund WA8LLY 823-4544
 N1AL WN6D W6DTV WB6FRZ N6OLD AA6RD K6UXO AA6YX

Education: John Breckenridge WB6FRZ 838-6398
 N1AL KC6RHA KC6RHB KC7VS
 KK6VY KF6WV K6XZ K6ZWB

Refreshmnts at meetings: Bob Olsten WD6DPE
 Greeter at Meetings: Shelly Sourek KD6AFZ
 Raffle at meetings: Phil Richardson WA6SEU
 Membership lottery: Walt Burandt KC6RHB
 Club Flyer: Gary Gouger KC6WTE
 Marconi Operating Event: John Wallack W6TLK

Repeater Control Op's:

WB6PER Jim 526-2972 N6PTM Jim 823-7947
 WD6CKP Hoppy 542-6750 W6TLK John 833-1873
 N6VUC Merlyn 584-3898

ARE YOU NOT AN SCRA MEMBER?

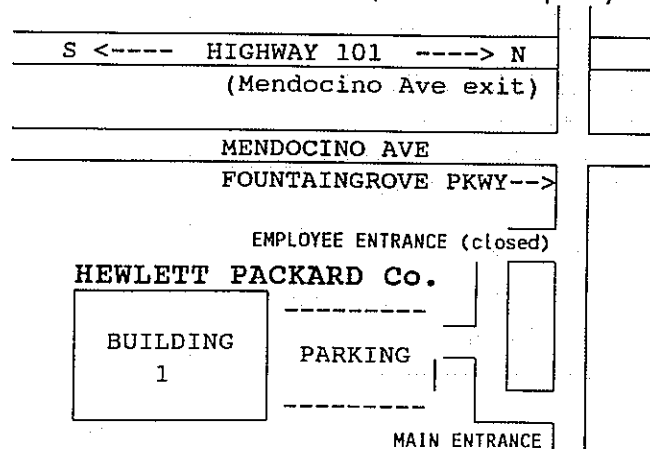
If so, then this is a complimentary copy. Our club is involved with almost every area of Amateur Radio: Repeaters (13/73), Field Day, license classes (Novice through Extra), volunteer exams, RACES, DX programs, packet radio, hidden xmtr hunts -- you name it. We invite you to attend our next monthly meeting (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. If you would like to join SCRA, please refer to the dues listed below. Hope we can have an "eyeball" QSO with you at the next meeting! 73 ...

Club Meetings:

7:30 PM, 1st Wednesday each month at the Hewlett Packard plant in Santa Rosa. Anyone interested in Amateur Radio is welcome.

Next meeting: March 4, 1992
 Special surprise program by N6VUC

DUES: \$12 per year, plus a one-time \$4.00 initiation fee. Dues are pro-rated \$1/month for new members who get an SCRA call/name badge. Family memberships are \$18 per year.



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
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 (800) 854-6046
 Tom KMGK, Mgr.
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 Tom KB6LUC, Mgr.
 Lawrence Expwy.
 So. from Hwy. 101

VAN NUYS, CA 91411
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 (818) 988-2212
 (800) 854-6046
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 San Diego Fwy.
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Bob Ferrero W6RJ
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Jim Rafferty N6RJ
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 (602) 242-3515
 (800) 444-9476
 Gary. WB7SLY, Mgr.
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 (800) 444-7927
 Mark. KJ4VO, Mgr.
 Doraville. 1 mi
 no. off I-285

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 14803 Build America Dr.
 (703) 643-1063
 (800) 444-4799
 Curtis. WB4KZL, Mgr.
 Exit 54. I-95. South to US 1

SALEM, NH 03079
 224 N. Broadway
 (603) 898-3750
 (800) 444-0047
 Jim. K3DIO, Mgr.
 Exit 1. I-93
 28 mi. No. of Boston

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

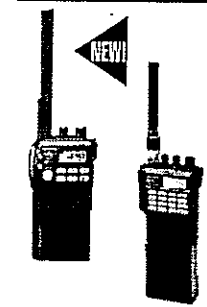
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DJ-160T

2 Meter Deluxe HT
 20 Mem Channels
 5W Optional Battery
 Encode Built-in
 DTMF Auto-Dialer
 Built-in DSQ
 (DTMF) Paging
 REG. 369.00
SALE \$249.95

YAESU

HANDHELDS

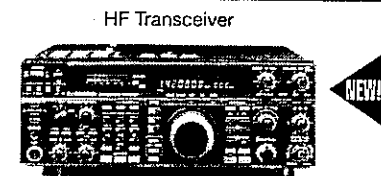


FT-26/FT-76
 2 Mtr. 440 Mhz
 2w std.; 5w optional
 Direct DC input
 Built-in VOX; 53 Mem
 DTMF paging
 Selectable power levels

FT-411
 2M HT
 Standard 2.5W; 49 Mem
 2m/140 to 174 Mhz
 EXTENDED RECEIVE

KENWOOD

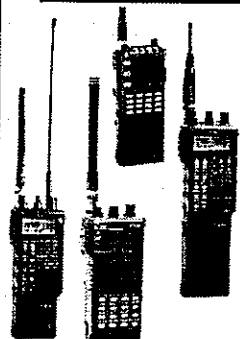
TS-850



HF Transceiver
 Advanced Technology Performance
 108 db Dynamic Range, Optional DSP
CALL FOR LOW PRICE

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IC-2GAT
 2 Meter HT • 7 Watt
IC-4GAT
 440 Mhz • 5 Watt
IC-W2A
 Deluxe Duo-Band
 Wide RX Band HT
IC-2SAT, 2 Meter
IC-3SAT, 220 Mhz
IC-4SAT, 440 Mhz
IC-24AT, Duo Band
IC-2SRA, 2M + Wide Rx

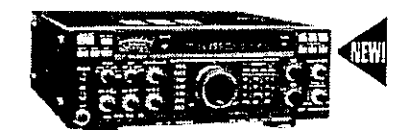
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2M Mobile
GREAT FOR PACKET
 2M FM Transceiver • Great Performance
 45 Watts • CAP+MARS Modifiable
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FT-990



100W HF Gen Cov Transceiver
 DDS, QSK • 500Hz CW Filter included
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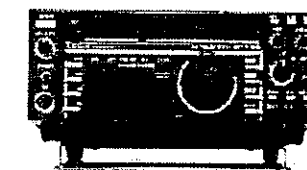


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IC-735



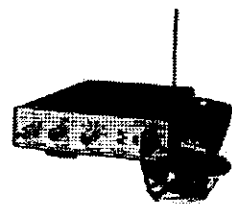
100W 12 volt • 12 channel memory
 General Coverage • IF Notch & QSK
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RAMSEY KITS:

- 2 Meter Synthesized FM Transceiver
- 2 Meter 30 Watt Amplifier
- All-mode HF receivers
- QRP CW Transmitters
- Etc...

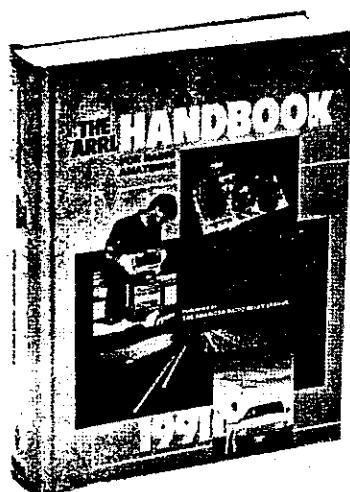


POPULAR BRANDS:

- MFJ
- Ameco
- Larsen
- Antenna Specialists
- Sangean
- Etc...

ARRL BOOKS:

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



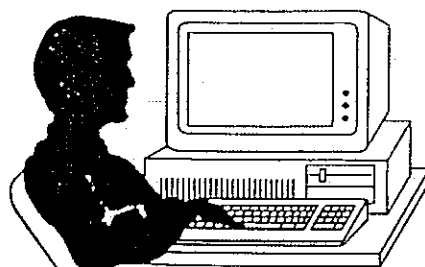
NECESSITIES:

- Code keys
- Wire Antennas
- Surplus Electronics
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- Complete systems
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KS6W

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FEBRUARY BREAKFAST

by Hank Davis W6DTV

Activity is on an upswing for SCRA. The first club breakfast for a long time, expedited by Pete KC6UXM, was held at the Green Oaks in Cotati. Around 50 amateurs, wives and family attended and enjoyed a fine meal.

Merl N6VUC, President, started the Game of Ages -- the oldest and youngest of amateurs attending. 80+ was won by Bob Browne W6AHH, and the youngest was James (8), no call as yet. (Kelly KC6CJQ's son) Next youngest was Shannon (11) KC6WLD.

A donation was added to the cost of the breakfast to help Christina Wilkowski KC6YUT of Sonoma, who has been asked to speak at this year's ARRL National Convention at Dayton. \$36.00 was sent to her.

Pete plans to have another gathering in March. Let him know. ■

HELP!

John WB6FRZ is looking for a volunteer to tutor a blind wanna-be ham in Morse code. John's number is 838-6398. ■

NEW MEETING PLACE!

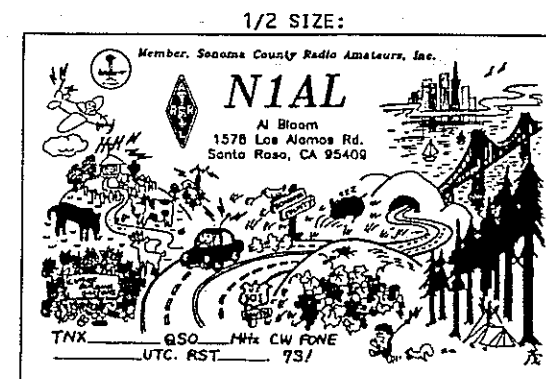
Don't forget the club meets at the Hewlett Packard plant now. See map on page 2. ■

Radio Shack

STORE NO. 3855

ZANE BATES
MANAGER
WB6SRU

510 FARMERS LANE TELEPHONE
SANTA ROSA, CA. 95405 546-8423



(The new artwork has more space than shown for Date/Time.)

CLUB QSL CARDS

We have had a new batch of club QSL cards printed up. You can buy them with or without your call/name/address. We wait for 2-4 orders before taking them to the printer unless you order "Express" service.

Payment must accompany your order. If you want the cards mailed to you, so indicate by adding \$4.00 postage/handling. Bring your order to a club meeting or send to:

SCRA, PO Box 116, Santa Rosa CA 95402.

PERSONALIZED CARDS:

# CARDS	NORMAL SERVICE	EXPRESS SERVICE
250	24.00	44.00
500	35.00	56.00
1000	56.00	75.00
>2000	6.00/100 (120.00/2000) (Express service only)	

"BLANK" CARDS: (No Call/Name/Address)

\$5.00 per hundred cards.
(Available at club meetings)

Cards are black/red/blue on a light blue background. Enter the information EXACTLY as it should appear on the card. ■

***** SCRA MEMBERS ONLY *****

ADD ARRL DIAMOND? CALLSIGN: _____

YES NAME: _____

NO ADDR: _____

EXPRESS SERVICE? _____

YES \$ _____ + \$ _____ = \$ _____

NO CARDS POSTAGE TOTAL



Some time ago, my wife and I attended the amateur radio Novice classes presented by John Breckenridge WB6FRZ. We want to express our thanks and appreciation for the outstanding qualities he exhibited throughout the course.

I am retired from Santa Rosa City Schools, having taught in public schools many years. I was impressed with the teaching proficiency John demonstrated. All material was ready and organized. The subject was always appropriate to the time available. Explanations were clearly stated in logical sequence. It is a generally accepted premise that it requires four hours of preparation for every hour of teaching. It was obvious that considerably more time was spent in his preparations. Even considering the time of day, 6:30 PM to 8:00 PM on Friday, class attention and participation was always high. This was, at least in part, due to the many "hands-on" demonstrations with numerous pieces of personal equipment.

I am also retired from the U.S. Navy where I spent 22 years as a radioman. John's knowledge of his subject is outstanding. In radio theory, especially, he is extremely adept at explaining the technical aspects to both the beginners and more experienced students alike. Again, the time spent in preparation was readily apparent. If there was a question to which he did not have a ready answer, he would say "I'll find out." The remarkable fact is, he always did! And, he would seek you out without you having to ask him again. A wonderful trait more of us should adhere to.

John is always ready to listen. We all have our stories, and I'm sure he has heard most of them many times, but he was always courteous and attentive. He seemed to always go that extra mile. Several of his students mentioned late-night telephone calls to John with questions, advice on equipment purchases, extra code practice tapes, etc. Even after the classes had concluded, he shepherded over us at our first Field Day experience -- all day and all night! He was always there when needed.

Thank you, Sonoma County Radio Amateurs, for your sponsorship. You have a truly outstanding representative in John Breckenridge!
Respectfully, Gorge W. Nervo KC6UXK

THANKS !

To Jim Rutherford WB6PER,

Thank you for the help with *Toys for Tots* this year. With your help we were able to give gifts to over 2000 families. With the money you and your club donated and other funds we bought close to \$1700 worth of toys. These toys were donated to children who ate Christmas dinner at St Vincent de Paul. I'm sure they brightened a Christmas that could have been very dark!

Thank you and the Sonoma County Radio Amateurs, Inc.

Rachel Griffiths, Local 1401
Santa Rosa Firefighters

UNITED STATES OF AMERICA FEDERAL COMMUNICATIONS COMMISSION AMATEUR RADIO LICENSE	
KD6CPO	
DAVID S WELSH 255 WIKIUP MEADOWS DR SANTA ROSA CA 95403	
Special Conditions	
Fixed Station Operation Location SAME AS MAILING ADDRESS	
Effective Date 10/29/91	Expiration Date 10/29/01
Operator Privileges TECHNICIAN	Station Privileges PRIMARY
THIS LICENSE SUBJECT TO CONDITIONS OF GRANT ON THE REVERSE SIDE NOT TRANSFERABLE	
LICENSEE'S SIGNATURE	
<small>FCC FORM 600 JUNE 1991</small>	

Have you seen the nifty certificates the FCC sends out when you renew or upgrade? (Dave's sample above is shown 2/3 size.)

SCRA MINUTES

February 5, 1992



The meeting was called to order at the Sonoma County Fairgrounds by President Merlyn Pfeiff N6VUC at 7:31 PM. Other officers present: Vice President Rick Reiner K6ZWB, Secretary Al Bloom N1AL, Treasurer John Gauger KK6XT, Repeater Chairman Jim Rutherford WB6PER, and Members-at-Large Bill Splaine N6GHG and Gary Gouger KC6WTE. 87 were in attendance.

VISITORS: Jane N6NTB introduced 6 visitors.

UPGRADES & NEW LICENSES since last month include Sarah N6FAX to Advanced and James (age 8) to Technician.

The **MINUTES** were approved as published in last month's *Short Skip*. m/ KB6PTA

TREASURERS REPORT per KK6XT: \$3028.40 General Fund, \$755.43 Repeater Fund. Approved. m/s K6GEV/KB6PTA

REPEATER Chairman Jim Rutherford WB6PER noted that the autopatch codes were in last month's *Short Skip*. There followed a long discussion on how to use the patch. "911" calls on the repeater do not actually dial 911, but do ring the same emergency operator.

PUBLIC SERVICE: Kathy KC6UXJ and Don KD6HQ have volunteered to be co-chairs. Rick N6RXA volunteered to join the triumvirate.

EDUCATION: Jeff KC7VS starts his General upgrade class this Monday. John WB6FRZ's Novice class begins on Friday. Steve KK6VY will be presenting another DOS class on an upcoming Tuesday and Wednesday.

Al read KC6UXK's letter (see this issue) thanking John for his great teaching. John claimed that letter only cost him 50 bucks. Pete KC6UXM confirmed everything in the letter is true, and he didn't get no 50 bucks!

ACTIVITIES coming up include the Marconi event April 25 near Marshall. 15 stations are participating worldwide. If interested, see Jim N6PTM, John W6TLK or Merl N6VUC.

RACES will participate in the County disaster drill April 2. This drill, mandated by the Federal Emergency Management Agency, will test all county agencies. See Jim WB6PER for details. Also, RACES members can pick up their renewal stickers tonight. Non-members can join -- new member packets are available.

PACKET NEWS from ARRL Asst. Section Manager John AL7IN: The PBBS is no longer at Rohnert Park due to an RFI problem. It is now at the Two Rock Coast Guard station. The backbone has been extended to Eureka, and from there to Oregon. Frequencies are 145.73 (AX.25) and 145.75 (TCP/IP).

BADGES: If you are a new member, and haven't picked up your badge, see Jim N6PTM. He has 29 to get rid of.

BREAKFAST: Pete KC6UXM is organizing a breakfast Saturday Feb 15. Pete also says the **TEN METER NET** is increasing every week. We had 20 check-ins last night.

The **NEW MEETING LOCATION** committee was spearheaded by N6PTM. Jim has a big list of places we CAN'T meet. Thanks to Bill N6GHG, starting next month, we will be meeting at the Hewlett Packard plant in Santa Rosa. It's a nice big double conference room with good acoustics, blackboard, overhead projector, and kitchenette. Bill suggests that those with healthy legs leave the close-in parking spaces to our older members.

Our **GREETER**, Jane N6NTB is moving away, so we need a replacement. Shelly KD6AFZ graciously volunteered.

FREEBIES via K6ZWB included Ramsey kit catalogs and *OEX* magazines. Rick is also looking for program ideas for club meetings.

A **THANK YOU** note from the Santa Rosa Fire Dept noted that our donation for the Toys for Tots program brightened Christmas for some needy children.

CLUB QSL CARDS are being reprinted. Further details in this issue of *Short Skip*.

The **PROGRAM** was a spirited discussion of repeater operation legalities, led by WB6PER.

The meeting was adjourned at 9:53 PM. m/s N6GHG/WA6SEU. Respectfully submitted, Al Bloom N1AL, Secretary.

CORRECTED 1992 BUDGET

(Left out \$100 miscellaneous miscellaneous.)

Christmas Party	-250.00
Field Day/Picnic	-450.00
Misc. Activities	-100.00
Total Activities	-800.00
Refreshments	-60.00
Dues	2200.00
Badges	-200.00
Repeater	-750.00
Flea Market	800.00
ARRL Memberships	40.00
Fund Raisers	840.00
Raffle	400.00
Insurance	-310.00
Trophies and awards	-200.00
Donations	-500.00
Miscellaneous	-100.00
Total Misc	-800.00
Short Skip ads	500.00
Short Skip expenses	-1245.00
Short Skip total	-745.00
Phone charges	-100.00
Donations	-100.00
Total Newslines	-200.00
QSL Cards	-200.00
Other	75.00
Total Member Supplies	-125.00
Officers' expenses	-100.00
Training & education	-150.00
Total	-800.00

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.

TREASURER'S REPORT



For month ending January 31, 1992

ACCOUNT	REVENUE	EXPENSE
Refreshments at meetings ..	11.12	9.60
Dues and Initiations	220.50	
Badges		58.02
Misc	62.50	739.00
Short Skip Newsletter	148.00	75.00
Amateur Radio Newslines		14.00
Officers' Expenses		58.76
	442.12	954.38

ASSETS:

General Fund Account	2965.47
Cash/checks on hand	62.93
Total General Fund	3028.40
Total Repeater Fund	755.43

BREAKDOWN OF MISCELLANEOUS EXPENSES:

Christmas donation to Toys for Tots	290.00
Donation to Spinal Injury Assn.	100.00
Annual charge for Post Office Box	35.00
Annual liability insurance payment	309.00
Annual State corporation filing fee	5.00
TOTAL MISC:	739.00

- de KK6XT

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950 Piner Rd
Santa Rosa, CA 95403

STEVE BASHAM (707) 527-6000
Manager (800) 675-7557

**INTERNATIONAL MARCONI DAY
APRIL 25, 1992**

From the Cornish Radio Amateur Club, PO Box 100, Truro TR1 1RX, Cornwall, UK.

By Mike Bender G4WQL

We are pleased to confirm that arrangements for this year's INTERNATIONAL MARCONI DAY are now virtually completed. This year we have 18 stations participating, and a list of these stations is shown below. A station must work at least 10 of the Marconi Day stations to qualify for the certificate, and any such applications must be made through our PO Box shown above.

The cost of the full certificate is \$6 (US), or £3 (UK), or 12 IRCs; and the SWL certificate is \$4, or £2 or 8 IRCs.

Stations taking part: (* = new in 1992)

- GB4IMD Truro, Cornwall
- GB0IMD Isle of Wight Marconi Centre
- GB2IMD Northern Ireland Marconi Site
- GB4MDI South Wales/Bristol Channel Site
- GB0MDI (or GB2SFL) South Foreland Lighthouse in S.E. England
- GB2MDI Salisbury Plain Marconi Site
- GB4MID * (or GB4GM) Poldhu Radio Station, Cornwall
- EI2IMD Southern Eire Site
- CT1TGM * Coimbra, Portugal
- DA0IMD Borkum Island, North Sea Site
- IY0TCI Civitavecchia
- IY1TTM Marconi Tower, Sestri Levante
- IY4FGM Pontecchio
- IY0GA * Golfo Arancchi, Sardinia
- ZS6IMD Johannesburg AR Centre, combined with Marconi Lecture Day
- VO1IMD St Johns, Newfoundland
- VE1IMD Marconi Exhibit Centre, Table Head Glace Bay, Nova Scotia
- K1VV/IMD Cape Cod, Mass.
- W6TLK * Marconi Station Site, Marshall, CA

FIELD FORUM

ARRL KIT MANUFACTURER LIST update 11/13/91

A & A Engineering
2521 W. La Palma
Unit #K
Anaheim, CA 98201
1-714-952-2114
Note: General kits, primarily QST projects

Antique Electronic Supply
6221 S. Maple Ave.
Tempe, AZ 85283
1-602-820-5411
Note: Broadcast receiver kits

Circuit Board Specialists
P.O. Box 951
Pueblo, CO 81002-0951 1-719-542-4525
Note: QST/kits, boards

Communications Concepts Inc.
121 Brown Street
Dayton, Ohio 45402
1-513-220-9677
Note: kits for Motorola Applications Notes

Down East Microwave
Box 2310, RR#1
Troy, ME 04987
1-207-948-3741
Note: Microwave preamps

Hamtronics, Inc.
65 Moul Road
Hilton, NY 14468-9535
1-716-392-9430
Note: Amateur, general interest

Heath Company
P.O. Box 8589
Benton Harbor, MI 49022-8589
1-800-253-0570
Note: WX station and home study-now "out" of ham kits

Mercury Systems
15 Lakeside Dr.
Marlton, NJ 08053
1-609-596-3304

Oak Hills Research
20879 Madison St.
Big Rapids, MI 49307
Note: QST article kits, XCVR kits, amateur

Ocean State Electronics
P.O. Box 1458
Westerly, RI 02891
1-800-866-6626
Note: QST project kits from 1976 - special request only, also general parts distributor, free catalog. \$5.00 minimum order

Penntek Electronics
14 Peace Dr.
Lewistown, PA 17044
1-717-248-2507
Note: The Neophyte Receiver, QST

Radiokit
P.O. Box 973
Pelham, NH 03076
1-603-635-2235
Note: QST/ British kits/ modules, components

Ramsey Electronics
793 Canning Parkway
Victor, NY 14564
1-716-924-4560
Note: Kits, amateur kits

1992 ARRL NATIONAL CONVENTION, DAYTON

by Hank Davis W6DTV

A new star for Sonoma County! Christina Witkowski KC6YUT, a member of the Valley of the Moon ARC, has been invited to speak at the Dayton ARRL National Hamfest in April, where she will represent young people in Amateur Radio.

Christina is 12 years of age and holds a Technician-plus license. She is a student at Alta Mira Middle School in Sonoma. Mark Burnell KB6ZOL is the radio instructor and 6th grade teacher at the school.

Christina is very active on the air, helping the newcomers on the ARRL school net. This activity is conducted by Carol Perry of the New York City school system. This is a school net for children in Amateur Radio.

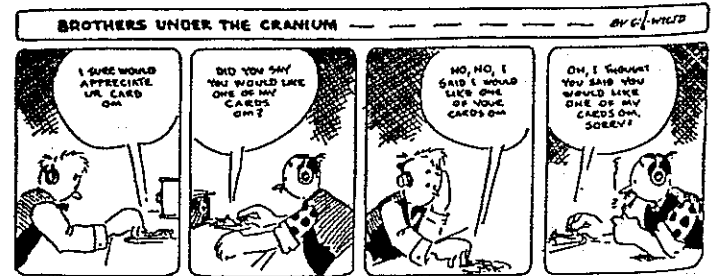
Her presentation will be "Ham Radio and What it Means to Them." She will be chaperoned by her father on the trip to Dayton. A video record of the trip will be made.

We all wish Christina a wonderful trip and the experience of a lifetime.

Jim Peimulder (707) 823-7947
N6PTM

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THE RADIO SHACK HT

by Jon Gefaell KD4CQY

I evaluated the RS unit during Frotfest weekend here in Virginia. I went over the manual in depth, and found it quite readable and understandable.

The feature set is impressive, and I very much liked the 'time out' feature, and I think it will help many novices, as well as experienced radio operators. It can be set to 30 seconds, 1 minute, or 2 minutes, and it will cause the unit to stop xmit after that long... this keeps you from timing out the repeater, or establishing bad 'monologue' habits. It has numerous other features, including a strange grouping of priority, call and memory channels that seemed like it could be useful, and not awkward. The User interface seems very ICOMesque, as does the radio itself.

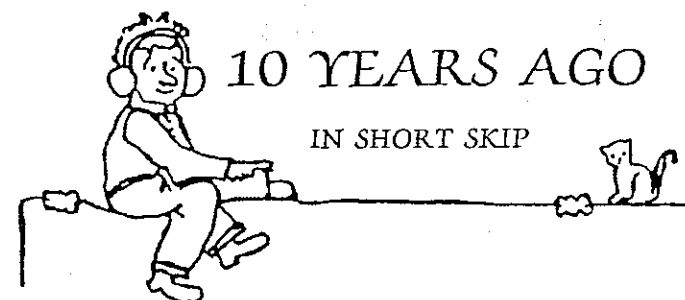
Nice sound, nice mic... The radio feels a lot less dense than my IC-W2A, but feels much like my TH75A did... Not a really 'scientific' method, just an idea for the 'feel in your hand' factor.

The really nice things about the radio are the price, the accessories that come with it (it comes with a charger, battery case, and battery pack), the extended warranty could be nice, and the (claimed) tight front end, W/ a extremely tight 144-148 front end filtering should make this a very useful HT in high RF environments, like urban centers.

I would NOT buy the radio, but I'm loopy... I gotta have the best, with the most anyone looking for a reliable, somewhat rugged, feature rich (PL Encode/Decode) radio with good characteristics in Amateur RX/TX, zillions of stores, etc... IT is a very attractive possibility. (Txn Usenet)

Excerpt from review by Gordon West WB6NOA in February 73 magazine:

...But what a receiver! I took the HTX-202 to several areas of intense high-band RF saturation, and it outperformed every other hand-held receiver around for sensitivity, selectivity and out-of-band rejection. I couldn't believe I was listening to the audio out of a handheld!



March 1982 must have been N1AL month. The lead article was a 12V power supply construction project by N1AL. There was a big ad in *Short Skip* for AI's upcoming Novice class. He was also the Repeater Chairman in those days.

VP2ML had his monthly "DX Watch" article. The subject this month was pileup busting.



The following blurb published last month probably didn't make too much sense without the accompanying illustration:

8 DOLLARS OR 10 CENTS?

Here's a way to add 3 dB to your HT signal for \$7.95. Or you can build one per Reed N6ZME's article in December *Short Skip* for 10 cents!

TigerTail™ Range Extender for 2 meter Handhelds

- Easy To Use
- Unobtrusive
- Easily Concealed
- Snaps on Handheld
- Weighs only 1/3 oz.
- Adds No Bulk or Height

- Boosts Signal from Flex & 1/4 wave Antennas
- Lowers Radiation Angle
- Improves both Receive and Transmit Performance
- Raises Low Power Performance
- Saves your Battery Pack

AntennasWest
Box 50082-S, Provo, UT 84605 1-800-926-7373

See and Hear the Difference **7.95**

CIRCLE 107 ON READER SERVICE CARD

The SCRA General License Upgrade Class began Monday evening, February 10, 1992 at 7:30 PM in the California Spinal Cord Injury Network building, 3911 Princeton Drive, Santa Rosa. The class schedule includes about 15-20 minutes of in-class code practice, 5-10 minute quiz, and 1 hour of technical material. Attendance is high, with 21 registered students.

Jeff Moritz.

Here are some interesting graphs from an article by Perelman and Visser of Andrew Corporation that appeared in November 1991 *RF Design* magazine. Figure 2 shows "transfer impedance" versus frequency. The smaller the transfer impedance, the better the shielding.

All the coaxes listed are 50 ohm and have about the same outside diameter. RG-213 is the better version of RG-8. RG-214 is the same thing, only double-shielded (two layers of braid). SF-214 is also double-shielded, but one of the shields is metal foil. NA50325 uses a solid copper tube for a shield. FSJ4-50B and LDF2-50, made by Andrews, have a corrugated outer shield for easier bendability.

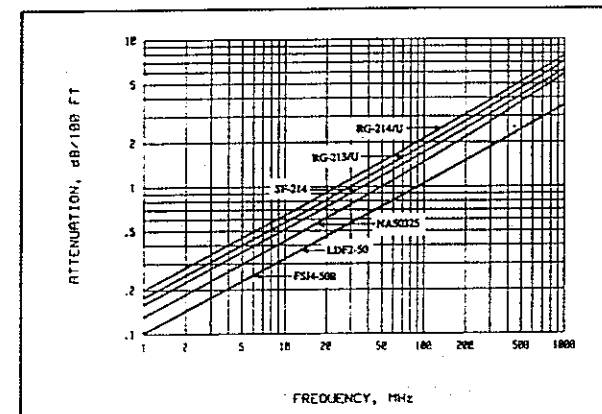


Figure 1. Attenuation versus frequency.

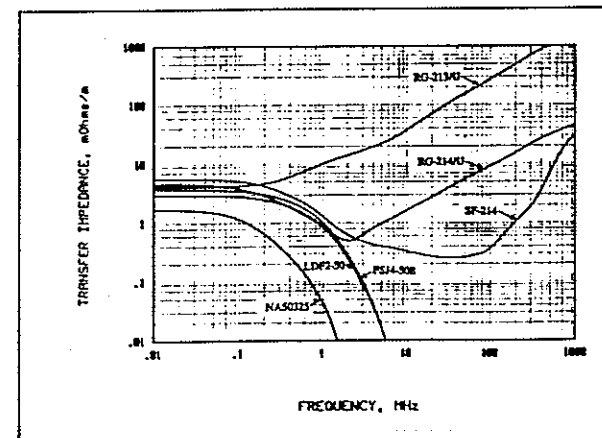


Figure 2. Transfer impedance versus frequency.