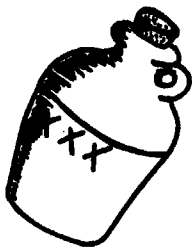


The Contest JUG



NEWSLETTER OF THE
NORTHERN CALIFORNIA CONTEST CLUB
34456 COLEVILLE PLACE
FREMONT CA 94546

JANUARY 1984

NUMBER 140

PRESIDENT: K6HNZ VP/CC: K6KLY SECTY/TREAS: KC6D
DIRECTORS: W6OAT, W6SZN, K6TMB, N6TV JUG Post Prod: K6HNZ JUG EDITOR: K6RU
COMMITTEES: CQP - K6XO AWARDS - KA6ING PROGRAM - MEMBERSHIP - FINANCE -

CONTESTER OF THE YEAR-K6HNZ

COMING EVENTS

JANUARY MEETING PROGRAM

" THE NORTH AMERICAN SPRINT CONTESTS - STRATEGIES, RULES, OUT-OF-STATE AND OUT-OF-COUNTRY ACTIVITY, TEAM COMPETITION" BY RUSTY, W6OAT; BOB N6TV AND RUSS, K6KLY. RUSTY IS THE CW SPRINT EDITOR FOR THE SPONSORING NATIONAL CONTEST JOURNAL (NCJ).

JAN.23: NCCC MEETING, 7:30 PM CWA
HALL, HAYWARD

FEB.12: NORTH AMERICAN SPRINT - PHONE

JAN.27-29: CQ WW 160M CONTEST

FEB.18-19: ARRL DX CONTEST - CW

FEB.2: NCCC BoD MEETING AT K6TMB

FEB.27: NCCC DINNER MEETING-DETAILS IN
FEBRUARY JUG.

FEB.5: NORTH AMERICAN SPRINT - CW
(SEE RULES AND TIME THIS JUG)

MAR.3-4: ARRL DX CONTEST - SSB

PRESIDENT KEN SAYS

HAPPY NEW YEAR! ALL IN ALL 1983 WAS A GOOD YEAR FOR NCCC. OUR CLUB SCORE IN THE PHONE AND CW CQ WW DX CONTESTS WAS ABOUT 116 MILLION AND SINCE THAT ABOUT EQUALS LAST YEARS WINNING SCORE WE HAVE TO BE A TOP CONTENDER FOR THE 1983 CHAMPIONSHIP. IN ADDITION A NUMBER OF CLUB MEMBERS TURNED IN OUTSTANDING SCORES IN NUMEROUS CONTESTS THROUGHOUT THE YEAR. NOTE THAT THIS YEARS CQ WW RULES REQUIRE CLUBS TO SUBMIT A LIST OF CLUB PARTICIPANTS AND THEIR SCORES. IT IS THUS IMPORTANT THAT EVERYONE SEND ME A COPY OF THEIR SUMMARY SHEET AS SOON AS POSSIBLE SO THAT WE SUBMIT A COMPLETE AND ACCURATE CLUB SCORE.

ELSEWHERE IN THIS JUG YOU WILL FIND RULES FOR THE SPRINT CONTESTS AND PLANS FOR NCCC PARTICIPATION IN THIS EVENT. AT OUR JANUARY 23 MEETING W6OAT, N6TV AND K6KLY WILL PRESENT A PROGRAM ABOUT THE SPRINT INCLUDING OPERATING PROCEDURES AND ORGANIZATION OF NCCC TEAMS. IT SOUNDS LIKE FUN AND IS ONLY FOUR HOURS DURATION. PLAN TO PARTICIPATE AND AT LEAST GET ON TO GIVE CONTACTS TO YOUR FELLOW NCCC MEMBERS.

IN THE CQ WW CONTESTS WE RECEIVED GREAT SUPPORT FROM THE NCDXC AND ALL DUAL MEMBERS. TO RETURN THE FAVOR ALL DUAL MEMBERS ARE ASKED TO SUBMIT THEIR SCORES IN THE ARRL DX CONTESTS FOR NCDXC. THE CW CONTEST IS FEB.18-19 AND THE PHONE CONTEST IS MARCH 3-4. THE NCCC WILL NOT SUBMIT AN ENTRY IN THE ARRL CONTESTS.

73, KEN, K6HNZ

NCCC FIELDS FIRST SPRINT TEAM

-CW-

IN ORDER TO ENCOURAGE COMPETITION AND INCREASE PARTICIPATION IN THE NORTH AMERICAN SPRINT CONTESTS, THE BoD IS ORGANIZING MEMBERS OF THE NCCC INTO SEVERAL TEN MAN TEAMS.

THE FIRST TEAM, KNOWN AS "NCCC TEAM #1" IS A "SEATED" TEAM. MEMBERSHIP ON THIS TEAM IS BASED ON THE HIGHEST SCORES EVER SUBMITTED IN PAST SPRINTS:

	<u>CALL</u>	<u>CONTEST DATE</u>	<u>SCORE</u>
1.	N6BV	SEPT. 1982	11,653
2.	W6OAT	SEPT. 1980	11,080
3.	W6CF	FEB. 1981	9,800
4.	K6XO	SEPT. 1980	9,600
5.	N6TU	SEPT. 1978	9,116
6.	N6XI	SEPT. 1980	9,102
7.	N7NG	FEB. 1981	8,995
8.	W6RGG	SEPT. 1981	8,720
9.	AJ6V	FEB. 1982	8,177
10.	K6RU	SEPT. 1978	6,438

SOME NCCC MEMBERS WHO WOULD HAVE QUALIFIED FOR TEAM #1 HAVE ALREADY COMMITTED TO PARTICIPATE ON OTHER TEAMS. OTHERS COULD NOT BE REACHED AT THE TIME OF THIS WRITING.

NCCC TEAMS #2, 3 AND 4 WILL BE MADE UP MORE OR LESS AT RANDOM. WE'RE GOING TO TRY AND PUT EVERYONE WHO IS INTERESTED ON ONE OF THESE TEAMS, SO IF YOU'D LIKE TO PARTICIPATE, PLEASE CALL RUSTY EPPS, W6OAT 408)246-8282 OR BOB WILSON, N6TV 408)629-9480. PLEASE LET US KNOW SOON; ALL TEAMS MUST BE PRE-REGISTERED 48 HOURS BEFORE THE CONTEST WHICH STARTS 0100Z FEBRUARY 5 (SATURDAY NIGHT).

FOR THE FEBRUARY CW SPRINT WE'RE GIVING TEAM #1 CREDIT FOR OLD PAST GLORY, BUT THIS IS ONE TIME ONLY. FROM NOW ON, THE RANKINGS WILL BE DETERMINED BY THE RESULTS OF THE MOST RECENT SPRINT. THE TOP THIRTY NCCC MEMBERS IN THE FEBRUARY SPRINT WILL AUTOMATICALLY BE PLACED ON ONE OF THE SEATED TEAMS IN THE FOLLOWING SPRINT. WHO KNOWS, MAYBE SOME OF THE PEOPLE ON TEAM #1 WILL FIND THEMSELVES ON TEAM #2 AND VICE VERSA. THIS JUST MIGHT GET INTERESTING.

IF YOU NEED A GOAL, THE CW SPRINT RECORD IS 350Q'S X 41MULTS= 14,350 POINTS SET BY K5ZD IN SEPTEMBER 1982.

73 AND KB, BOB WILSON, N6TV

PHONE NCJ SPRINT CONTEST

THE NCCC IS FIELDING A TEAM FOR THE PHONE SPRINT CONTEST ON FEBRUARY 12 STARTING AT 0100Z (SATURDAY NIGHT). THE TEAM WILL BE MADE UP OF PREVIOUS PARTICIPANTS AS WELL AS NEW, INTERESTED PHONE OPERATORS. RUSS, K6KLY 415)592-3165 IS ORGANIZING THIS EVENT. PLEASE CALL HIM IF YOU ARE INTERESTED AND THINK YOU ARE READY FOR THE CHALLENGE!

73, Russ, K6KLY

1984 NORTH AMERICAN SPRINT CONTESTS

Sponsored by the
National Contest Journal

1. Eligibility: Any licensed radio amateur may enter.
2. Object: To work as many North American stations (and/or other stations if you are in North America) as possible and as many multipliers as possible during the contest period.
3. Entry Classification: Single operator only. Use of helpers or spotting nets is not permitted.
4. Contest Periods: 01:00 through 04:59 UTC. CW Sprints are February 5 and September 16; Phone Sprints are February 12 and September 23 (Saturday nights, February 4 and 11 and September 15 and 22, local time). These are four entirely separate four-hour Sprints. An entrant may submit scores for one or more Sprints, but he may not combine his scores.
5. Mode: CW only in CW Sprints; Phone only in Phone Sprints.
6. Bands: 80, 40 and 20 meters only. Suggested frequencies are around 3540, 7040 and 14040 kHz on CW, and 3900, 7225 and 14280 on Phone. You may work the same station once per band.
7. Exchange: To have a valid exchange, you must send all of the following information: The other station's call, your call, your serial number, your name and your location (state, province or country).

Example: WA7NIN de K5ZD nr 118 Randy TX K
K5ZD 105 Pat NV de WA7NIN K
8. Valid Contact: A valid contact consists of a complete, correctly copied and logged two way exchange between a North American station and another station. Proper logging requires including the time of each contact. Serial numbers must begin with serial number one (001) and must be sequential thereafter. Regardless of the number of licensed callsigns issued to a given operator, one and only one callsign shall be utilized during the contest by that operator.
9. North American Station: Defined by the rules of the CQ WW DX Contests.
10. Scoring: Multiply total valid contacts by the sum of states, VE provinces and other North American countries to get final score (do not count USA and VE as countries). KH6 is not counted as a state and is not a North American country. The eight Canadian multipliers are Maritime (VE1, VO1 and VO2), VE2 through 7, and Yukon-NWT (VY1 and VE3). Non-North American countries do not count as multipliers.

11. Special QSY Rule: If any station solicits a call (by sending CQ, QRZ?, QRZ, etc.), he is permitted to work only one station in response to that solicitation. He must thereafter move at least 1 kHz before he works any other station, or at least 5 kHz before he again solicits other calls.
12. Reporting: CW Sprint entries must be sent to Rusty Epps, W6OAT, 948-H Kiely Boulevard, Santa Clara, CA 95051 and Phone Sprint entries to Rick Niswander, K7GM, 1914 West Cortez Circle, Chandler, AZ 85224. Entries must be received not later than 30 days after the Sprint to be eligible for trophies and awards. An entry consists of (1) a summary sheet showing the number of valid contacts by band, total contacts, total multipliers, total score, name, callsign and address of the operator, station callsign and station location; (2) a complete, legible log of all contacts (including dupes marked as such) with indication by numbered sequence of each multiplier claimed; and (3) a separate check sheet for each band. Logs, summary sheets, and check sheets may be home-made or patterned after those published periodically in the NCJ.
13. Team Competition: Team competition is limited to a maximum of 10 operators as a single entry unit. Groups having more than ten members may submit more than one team entry. Pre-contest requirement: To qualify as a team entry, the name, callsign of each operator, and callsign of the station operated should the operator be a guest at a station other than his own (eg., WA7NIN op by W6OAT) must be registered with W6OAT for the CW Sprints and with K7GM for the Phone Sprints. The team information may be contained either in a letter, which must be received before the start of the Sprint, or it may be contained in a Western Union mailgram dated at least 24 hours before the start of the Sprint. There are neither distance limitations nor meeting requirements for a team entry. The only requirement is pre-registration of the team.
14. Penalties and Disqualifications: For each unmarked duplicate QSO, you lose that contact plus an additional three contacts; for each QSO for which you are not in the other station's log, you lose that QSO plus an additional one contact; and for each QSO for which the log data is incorrectly copied in any respect, you lose that contact. Entries with score reductions in excess of 5% will be disqualified. Any entry also may be disqualified for illegibility, illegal or non-ethical operation. Such disqualification is at the discretion of the NCJ Contest Review Committee.
15. Awards: A trophy will be awarded to the highest scoring entrant. Certificates of merit will be awarded to the highest scoring entrant from each USA call district, Canada, and other country; to each of the ten highest scoring entrants; to each member of the winning team; and to the highest scoring entrant on each team.

SUMMARY SHEET

1. DATE OF CONTEST:

Date of contest (UTC): _____

2. STATION:

Callsign:

State or Country:

3. OPERATOR:

Callsign:

Name: _____

Address: _____

4. SCORE:

	QSOS			
20 M				
40 M				
80 M				
TOTAL		×		=
			MULTIPLIERS	
				FINAL SCORE

5. TEAM:

Are you a member of a pre-registered team?

NO

YES

Which one? _____

6. STATEMENT:

I, by virtue of my signature below have taken part in the NCJ North American Sprint, conscientiously applying my most ethical interpretation of the rules for this contest as set forth in the National Contest Journal.

Date _____ Signature _____

CALLSIGN _____

Nickname _____ State/Ctry _____

BAND MHz	TIME UTC	STATION	SENT	RECEIVED			MULT
			NR + ↓	NR	NAME	STATE/CTRY	
			1				
			2				
			3				
			4				
			5				
			6				
			7				
			8				
			9				
			0				
			1				
			2				
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THE CONTEST JUG NUMBER 140 JANUARY 1984 **7**

1983 CQ WW DX CONTESTS - TOP ALL BAND CLAIMED SCORES

NCCC MEMBERS

BAND BY BAND BREAKDOWN

PHONE

SINGLE OPERATOR - DOMESTIC: A16V (WA6VEF OPR): 3,568,249 POINTS.

BAND: 160 75 40 20 15 10

Q/Z/C: 14/6/7 121/17/29 479/27/51 757/33/90 1099/29/71 477/24/47

THIS SCORE COULD BE HIGH FOR USA!

TOTAL: 2947/136/295

SINGLE OPERATOR - DXPEDITION: PJ2FR (N6KT OPR): 10,696,590 POINTS

BAND: 160 75 40 20 15 10

Q/Z/C: 49/6/10 344/17/50 635/23/68 1808/28/85 1225/29/88 2881/28/87

THIS SCORE COULD BE HIGH FOR THE WORLD!

TOTAL: 6942/131/388

MULTI/MULTI OPERATOR - DOMESTIC: N6RO : 4,321,200 POINTS (+WA6DIL, K6TMB, K9LBQ, WA6WEQ, W6YKM, KG6DV)

BAND: 160 75 40 20 15 10

Q/Z/C: 44/8/10 252/25/43 452/28/62 829/37/101 999/31/87 531/23/65

TOTAL: 3107/152/365

MULTI/MULTI OPERATOR - DXPEDITION: TI1C : 24,539,598 POINTS (NCCC OPS- W6TPH, W6SZN, AE6U, K6HNZ+TI2CF, TI2CC, TI2JVA)

BAND: 160 75 40 20 15 10

Q/Z/C: 490/12/33 1072/20/72 2077/32/105 3662/35/131 3797/32/124 3388/28/103

THIS SCORE COULD HIGH FOR THE WORLD!

TOTAL: 14489/161/568

4/7 OF THE SCORE CREDITED TO NCCC (14+M)

CW

SINGLE OPERATOR - DOMESTIC: N6QR : 1,741,000 POINTS

BAND: 160 80 40 20 15 10

Q/Z/C: 32/10/10 112/17/25 424/32/63 474/32/83 299/27/59 149/18/34

TOTAL: 1490/136/274

(CON'T-NEXT PAGE)

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8

BAND BY BAND BREAKDOWN
(CON'T)

CW

SINGLE OPERATOR - DXPEDITION: N6XI/4X : 3,109,722 POINTS

BAND: 160 80 40 20 15 10

Q/Z/C: 2/1/2 397/9/38 880/18/58 869/23/57 1025/17/59 219/6/30

THIS SCORE COULD BE HIGH FOR ASIA AND MORE! TOTAL: 3392/74/244

MULTI/MULTI OPERATOR - DOMESTIC: K6HNZ : 3,830,092 (+AE6U, KC6D, W6XX, N6BV, W6TPH, K6TMB)

BAND: 160 80 40 20 15 10

Q/Z/C: 208/17/23 230/21/40 760/33/74 867/37/108 409/30/71 282/21/43

TOTAL: 2756/159/359

MULTI/MULTI OPERATOR - DXPEDITION: AHØC (N6BT, WA6VEF OPRS): 7,326,000 POINTS

BAND: 160 80 40 20 15 10

Q/Z/C: 45/10/8 550/23/40 920/26/58 1412/35/82 1871/33/80 694/22/43

THIS SCORE SHOULD WIN SOMETHING BIG! TOTAL: 5494/149/311

1983 ARRL SWEEPSTAKES

CLAIMED SCORES - NCCC MEMBERS

<u>CALL</u>	<u>QSO</u>	<u>PHONE</u> <u>SEC</u>	<u>SCORE</u>		<u>CALL</u>	<u>QSO</u>	<u>SEC</u>	<u>SCORE</u>	
WA7NIN (W6OAT OP)	1597	74	236,356	POINTS	N6NF	985	74	145,780	POINTS
N6NF	1306	74	193,228	"	AJ6V	890	73	129,940	"
W6BIP (+WA6DJI)	1038	74	153,624	"	N6GG	872	74	129,056	"
KY6I	587	74	86,876	"	N6AUV	840	74	124,320	"
KS6H	389	70	54,460	"	N6MG	821	74	121,508	"
N6MG	258	74	38,184	"	W6BIP (+WA6DJI)	807	74	119,436	"
AA6T (SMØDRD OP)	130	44	11,448	"	KS6H	408	74	60,384	"
			(21 MHZ ONLY)		W6RGG	74	74	10,952	"
					K6XO	74	74	10,952	"

(BOB DID IT FASTER - LESS THAN 8 HOURS)

Minutes -- NCCC Membership Meeting -- November 21, 1983

The meeting was attended by numerous members and guests, including W3LPL. Guests WA6ADR, W6REC, WB6CUA, and N6IYI were elected to membership during the meeting.

Reported and projected CQWW scores were announced, together with a propagation forecast prepared for the CW weekend by W6RQ. Slides depicting CQWW activities at several home and dxpedition locations were shown. The meeting was adjourned early for pizza, beer, and last-minute preparations for the impending Big Weekend (CQWW CW).

Minutes -- NCCC Membership Meeting -- December 17, 1983

This event was the occasion of the NCCC 1983 Christmas Banquet, arranged by N6AUV at the Velvet Turtle in Burlingame. A super turnout of 77 members and guests enjoyed the festivities, MC'ed by N6BT, including prizes, awards, and an excellent program, as well as the election to membership of W6JKV and K6YT and the presentation of a dozen long-stemmed roses to Louese, KA6ING, in recognition and thanks for her active and generous support of club activities.

The following awards were presented as a result of the deliberations of the awards committee (WA6VEF, W6SZN, K6RU, N6RO, and AI6V):

World-Class Contester (a new award): to Rich Smith, N6KT, recognizing his numerous first-place entries and new records in recent contests, including the 1983 ARRL DX SSB first-place finish at AI6V, the tremendous effort in the 1983 CQWW SSB at PJ2FR, recent top scores at 4T40, KH6XX, and N6KT/HK0, and world records in the WPX and CQP.

KB Award (revived from the SS days): to Ron Chiappari, N6AUV, in recognition of his sustained support of the NCCC, as well as his development and achievements as a contester, as exemplified by his efforts at XE2BC and AI6V/KH6 in the 1983 CQWW, efforts at N6RO and KH6XX, and several recent project and event chairmanships.

Contester of the Year: to Ken Ruddock, K6HNZ, for his 1983 CQWW achievements in organizing, promoting, and executing the tremendous multi-multi efforts at TI1C for SSB and at his own station for CW, as well as the top 1983 CQP county expedition score, his perennial North American top score in the AA SSB, and his untiring efforts as 1983/84 NCCC President and 1983 CQWW chairman.

The meeting program featured a beautiful and entertaining presentation by Jay, W6GO, of the people and sights of French Polynesia, as he and Jan, K6HHD, encountered them on their 1982 and 1983 F00J0 and F000J CQWW expeditions.

NEW MEMBERS

W6JKV - JIM

W:408)725-6424

JAMES G. TRAYBIG
27200 ALTAMONT ROAD,
LOS ALTOS HILLS, CA 94022

JIM IS 42 YEARS OLD AND HAS BEEN LICENSED 29 YEARS. HE HOLDS AN ADVANCED CLASS TICKET. OTHER CALLS HELD (GET THIS): KC6YE, 3D2JT, A35JT, XE1JJU, XE1JJU/XE4, W6JKV/T19, ZF2DN, C5AEH, W6JKV/8P6, W6JKV/J6L, W6JKV/KHØ, ZK1XE. HIS STATION INCLUDES ALPHA, 90' TOWER, MULTIPLE BEAMS, 1 KW ON 6M AND 2M AND EQUIPMENT ON 440MHZ AND 1296MHZ. HE OPERATES BOTH PHONE AND CW.

WB6CUA - RANDY

H:415)483-2578

W:415)521-0441

RANDOLPH T. WRIGHT,
18432 MILMAR BLVD.,
CASTRO VALLEY, CA 94546

RANDY IS 37 YEARS OLD AND HOLDS AN EXTRA CLASS LICENSE. HE HAS BEEN ON THE AIR FOR 21 YEARS. PRIOR CALLS: WN6CUA, WB6YIJ. HE OPERATES 75% CW. HIS STATION INCLUDES TS820S, SB220, 6EL 10M, 5EL 15M, 4EL 20M AND WIRES ON OTHER BANDS. RANDY HAS HAD EXPERIENCE IN NCDXC MARATHON. HE IS A MEMBER OF ARRL, A1 OP. CLUB, NCDXC AND HOLDS DXCC-310, WAS AND WAZ.

WA6ADR - GARY

H:408)353-4710

W:415)968-7744 X-38

GARY S. BIGNAMI,
21466 BROADWAY AVE.,
LOS GATOS, CA 95030

GARY IS 29 YEARS OLD, HOLDS AN ADVANCED CLASS LICENSE AND HAS BEEN LICENSED 13 YEARS. HE OPERATES 75% PHONE. HIS STATION INCLUDES SIGNAL ONE, TRI-BAND BEAM AND 40M VERTICAL. HE IS DXCC AND HOLDS ARRL 30 WPM CERTIFICATE.

W6REC - DUANE

H:415)322-8400

DUANE L. AUSERMAN
741 WEBSTER ST.,
PALO ALTO, CA 94301

DUANE IS 42 YEARS OLD, HOLDS AN EXTRA CLASS LICENSE AND HAS BEEN LICENSED FOR 27 YEARS. HIS FORMER CALL WAS KØGST. HE OPERATES 75% CW. HIS STATION INCLUDES TS-120S, TS-430S, SB220 AND DIPOLES.

N6IYI - KEN

H:415)680-0710

W:415)883-2830

KENNETH R. LEMAS
1780 MAYETTE AVE.,
CONCORD, CA 94520

KEN IS 38 YEARS OLD AND JUST RECENTLY GOT HIS TECHNICIAN LICENSE. HIS STATION INCLUDES TS-180S AND WIRE ANTENNAS. HE OPERATES PHONE/CW 50/50. HE HAD CONTEST EXPERIENCE IN THE CQ WW DX CONTEST IN 1983.

K6YT - FRED

H:415)948-9238

W:415)833-7041

FRED F. CANHAM,
691 CASITA WAY,
LOS ALTOS, CA 94022

FRED IS 63 YEARS OLD AND HAS BEEN LICENSED FOR 45 YEARS. HE HOLDS AN EXTRA CLASS TICKET. FORMER CALLS ARE W6QWF AND W7POV. HE OPERATES 50% CW AND 50% PHONE. HIS STATION INCLUDES T4B, R4B, L4B, 2M, 4EL 20M YAGI, WIRES ON OTHER BANDS. FRED IS THE PERMANENT FD CHAIRMAN FOR PAARA, NATIONAL FD WINNER, CLASS 4A FOR THE PAST FIVE YEARS. HE HAS BEEN OF INVALUABLE HELP TO NCCC MEMBERS SETTING UP FOR DX CONTESTS, PARTICULARLY K6HNZ AND K6RU (I'D NEVER HAVE MADE IT WITHOUT HIM).

1984 INTERNATIONAL DX CONVENTION

CLASSIFIED

DATES: APRIL 13-15, 1984

LOCATION: HOLIDAY INN, VISALIA, CA

PRE-REGISTRATION FOR VISALIA IS NOT GOING TO COST YOU AS MUCH THIS YEAR --ONLY \$38 (\$42 AFTER MARCH 15).

SEND A CHECK TO:

NICK WINTER, WB6DXU,
1426 N. AVON STREET,
BURBANK, CA 91505

IF YOU ARE AMONG THE FIRST 500 YOU WILL RECEIVE A CONVENTION PATCH-- FREE!

ROOMS AT THE HOLIDAY INN ARE \$40 FOR A SINGLE, \$47 FOR A DOUBLE, PER NIGHT THAT IS. FOR RESERVATIONS CALL 209)651-5000. DON'T CALL THE 800 NUMBER - IT WON'T WORK FOR THIS.

Tnx: SCDXC BULLETIN

New from Top Value Duping Service:

- * Complete computerized log ready for mailing
- * Log includes all QSO information plus multipliers, dupes and QSO points
- * Prefixes identified for WPX
- * Countries identified for major DX contests
- * Cross-check sheet sorted by country
- * Calls sorted in Callbook order within country
- * Hour-by-hour QSO statistics ("rate sheet")
- * Final score calculation

You get all this for just 4¢ per QSO. Customized pressure-sensitive QSL labels are available for an additional 1¢ per QSO.

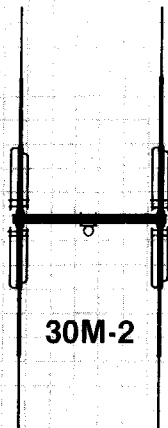
For complete information, call (408) 629-9480 or write Bob Wilson, N6TV, 51 Cheltenham Way, San Jose, CA 95139. I'll send you a flyer by return mail.

Top Value Duping Service

Call (408) 629-9480

FOR SALE: 3 SECTIONS ROHN 45 EACH 10 FT. LONG, \$50 PER SECTION. CALL BILL SCHOOLER, NO6P 415)325-1352. EVES.

KLM 30 Meter Monoband Yagis



30M-2

30M-2: SPECIFICATIONS

Bandwidth: 10.1 to 10.150 MHz
Gain:
VSWR: less than 1.5:1
F/B:
Feed Impedance: 50 ohms
Element length: 35'3"
Boom: 3"O.D. x 12"
Turn Radius: 18'6"
Weight: 35 lbs
Windload: 4 sq ft

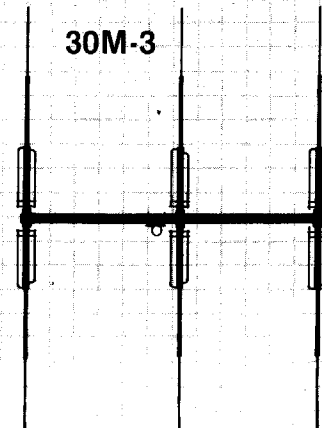
KLM is proud to announce two new high performance monobanders for 30 meters. The KLM 30M-2 and 30M-3 are carefully designed to combine moderate size with superior performance. Either of these compact powerhouses can be a valuable addition to your antenna system without overloading the tower or rotator.

■ Construction materials feature strong 6063-T832 alloy aluminum element and boom tubing, massive Lexan insulators, and stainless steel hardware for years of reliable service.

■ A DC grounded Beta match and KLM's proven 4:1 DC grounded Balun make the 30M-2 and 30M-3 as lightning/static proof as possible. The unique linear loading system keeps element lengths manageable without sacrificing performance.

■ The adventure of a new band awaits you. Double your pleasure with the great gain and broadband response of the KLM 30M-2 or 30M-3. See your KLM dealer now!

KLM Electronics, Inc.
P.O. Box 816,
Morgan Hill, CA 95037
(408) 779-7363



30M-3

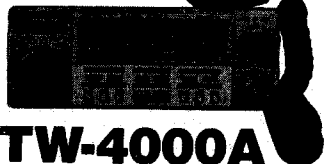
30M-3: SPECIFICATIONS

Bandwidth: 10.1 to 10.150 MHz
Gain:
VSWR: less than 1.5:1
F/B:
Feed Impedance: 50 ohms
Element length: 35'3"
Boom: 3"O.D. x 24"
Turn Radius: 21'5"
Weight: 50 lbs
Windload: 7 sq ft

KENWOOD

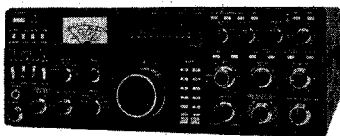
TS-930S

NEW!!



TW-4000A

FM "Dual Bander"
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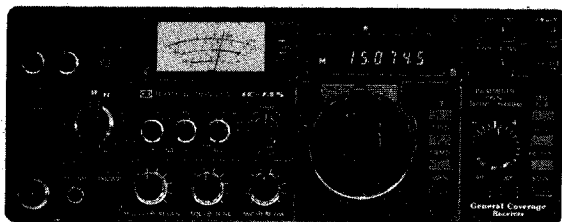
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