



PACK RATS

CLUB CALL: W3CCX

MT. AIRY VHF RADIO CLUB, INC.

PACK RATS'

CHEESE

BITS



MT. AIRY VHF RADIO CLUB, "THE PACK RATS", PHILADELPHIA, PA.
NET FREQUENCIES: 50.150, 144.150, 222.125, 224.58/222.98, 432.110, 903.100, 1296.100 MHz
AFFILIATED CLUB: AMERICAN RADIO RELAY LEAGUE

W3CCX

ARNS

Meetings: Third Thursday of each month at 8:00 PM

Southampton Free Library, 947 E. Street Road
Southampton, Pennsylvania 18966

SCANNED TO PDF BY BERT, K3IUV, 2013

VOLUME XXXVII

June 1995

Number 6

THE PREZ SEZ

I am sorry to report the passing of our friend Dave Hackford, N3CX. Dave was an active VHFer who made many contributions to the Packrats, the VHF community, and all who knew him. He was an avid experimenter, homebrewer, and active on the UHF/Microwave bands. Dave's beacons for 903, 1296, and 2304 were a weak signal source and propagation aid to all active on the bands. He was an exemplary husband, father, and friend to all who knew him. We'll certainly miss our friend Dave.

Our May ARRL Night meeting was very well attended. Thanks to ARRL Atlantic Division Director Kay Craigie, WT3P, and guest speaker Dave Newkirk, WJ1Z, who gave an excellent demo of the ARRL Designer RF design/analysis software.

Thanks to Bruce, WA3YUE, and Becky Loss for organizing a successful Ladies Night event again this year. We had a very enjoyable evening at the Mill Race Inn with good food, drink, music, and fellowship. The Awards committee, led by Bob, W3GXB, presented a number of awards to many very deserving Packrats. The awards we present as a club are but a token of gratitude to all of the hard working members that contribute to The Packrats in a variety of ways. A new award was reinstated this year under the leadership of Bob, WB2YEH; the Worked The Most Packrats Award. The award recognizes the non club-member who works the most Packrat contacts in the January Contest. Following stiff competition our first such award was presented to Jerome, K3GNC. Congratulations to all our awards recipients!

It has been a privilege serving as your club president over the last two years. I am grateful for the support of many individuals that make our club the success that it is. I feel that working together we have accomplished much. We have successfully tackled and implemented several new club activities that have lasting positive benefits for The Packrats. We successfully moved Hamarama "back to the Drive-In" and continue to sponsor an excellent VHF Conference that is well attended by VHFers from all over the East Coast. We've assisted more Packrats to get on new bands with the addition of our Building Sessions. We publish a first-rate VHF newsletter. We continue to be leaders in the January and June VHF contests. In the past two years we've increased our ranks with some outstanding new members. I'm confident that we'll continue to strive to be the best VHF club that we can possibly be and I look forward to working with our new board and President.

CU at Camelback!

73, Paul Drexler, WB3JYO

Pack Rats **CHEESE BITS** is a publication of the **Mt. AIRY VHF RADIO CLUB, INC.** Philadelphia, PA. and is published monthly.

SUBSCRIPTION RATE: \$10.00 PER YEAR (USA)
\$12.00 PER YEAR (CANADA)
\$15.00 PER YEAR (ELSEWHERE)

We operate on an exchange basis with other publications. Anything that is printed in **CHEESE BITS** may be reprinted, unless otherwise stated, provided proper credit is given.

DEADLINE FOR ARTICLES AND SWAP SHOP IS THE MONTHLY MEETING DATE. NON-COMMERCIAL SWAP SHOP ITEMS-FREE OF CHARGE.

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Ron Whitsel, WA3AXV
(215) 355-5730

PACKRAT 222 MHz REPEATER - W3CCX/RPTR

222.98/224.58 MHz, Churchville, PA

OFFICERS: 1993-1994


PRESIDENT: WB3JYO, Paul Drexler
VICE-PRES: WA2OMY, Gary Hitchner
REC. SECR: WA3AQA, Walter Zumbach
TREASURER: WA3JUF, Dave Mascaro
COR. SECR: N3AOG, Dick Comly
DIRECTORS: WA3AXV, Ron Whitsel (1 YRS)
WB2YEH, Bob Fisher (1 YRS)
N3ITT, Alan Sheppard (2 YRS)
WA3NUF, Phil Migulez (2 YRS)

MONDAY NIGHT NETS

<u>TIME</u>	<u>FREQ.</u>	<u>NET CONTROL</u>
7:30 PM	50.150 MHz	K3EOD
8:00 PM	144.150 MHz	W2EIF
8:30 PM	222.125 MHz	WB2YEH
8:30 PM	224.58R MHz	K3ACR
9:00 PM	432.110 MHz	WA3AXV
9:30 PM	1296.100 MHz	WA3NUF
10:00 PM	903.100 MHz	N3AOG

COMMITTEE CHAIRMEN

LADIES' NIGHT: WA3YUE 610-630-1875
JUNE CONTEST: WB3DNI 215-672-5289
HAMARAMA: WB3JYO 609-538-1687
VHF CONFERENCE: KB3XG 610-584-2489

THE AMERICAN RADIO RELAY LEAGUE**OST**

HUGH A. TURNBULL, W3ABC
Director, Atlantic Division

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COLLEGE PARK, MD 20740(301) 927-1797


1-302-478-2757

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and
ADVANCED
COMMUNICATIONS**

"Gisele"
K3WAJ

G. B. WALLS3208 CONCORD PIKE (RT. 202)
WILMINGTON, DEL. 19803

Graphic DesignIllustrationProduction

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209 Frog Hollow Road
Churchville, PA 18966
215 355-5730

FAREWELL TO A GREAT FRIEND

By Dave Mascaro, WA3JUF

On May 1, 1995 our great friend Dave Hackford, N3CX, became a silent key. For several years Dave fought off cancer. The horrible disease finally got the best of him shortly after his 50th birthday. Dave is survived by his wife Sylvia, and three children, a family that Dave was very proud of.

The Pack Rats met Dave in early 1983 when Bill Olson, W3HQT invited him to a club meeting. Dave hooked up with Bill after he showed up at Bill's house posing as an irate neighbor being bothered by TVI. They both had a good laugh after Dave explained he was a ham that was interested in seeing the station that was connected to Bill's 100 foot tower.

N3CX was voted into The Mt. Airy VHF Radio Club at the May 1983 meeting. Dave served as President from 1989-1991 and as a member of the Board for many years. He was very active in Amateur Radio. He liked working CW and was always listening for the weak ones." He was always willing to help someone get on a new band, even to the extent that he would build equipment for that person. Dave Hackford was a great asset to the club.

Dave loved to homebrew and built equipment and antennas for all bands from 50 MHz to 10 GHz. The 903, 1926 and 2304 MHz N3CX beacon transmitters and antennas are also Dave's homebrew projects. Let me tell you, Dave built a lot of solid state radio gear during the 13 years that I worked at "the transistor factory". It was great to see all that gold scrap going to such good use. Dave and I were very good friends. We had a lot of fun building equipment and antennas, roving through the mountains of West Virginia and contesting on different mountaintops.

We will all miss him very much. May his soul rest in peace.

A LOSS OF ANOTHER CLUB MEMBER

Ed Kushner, W3HKZ, a retired member of the club died suddenly in Deerfield Beach, Florida on May 11. Ed formerly lived in Lafayette Hill until he retired from WCAU TV after working for them for 42 years. Ed was a former president of the Packrats and was active in all areas of VHF - especially in home brewing. Ed was very active in local repeater operation until he moved to Florida and received an Emmy award in 1981 for his efforts as Technical Director of the NFC Championship Game.

VISITORS AT THE MAY MEETING

WT3P Kay Cragie
K3LIC Ron Dudek
4X4LT/3 Yoel Keiles
WJ1Z Dave Newkirk
K3GNC Jerome Byrd
K3JJO Wally Newell
W3KOC Bill Nichelson

TID BITS

Nominations for officers for 1995-96 are being taken. If you would like to assist in the guidance of the club or have suggestions on someone that would be willing to serve, contact Harry, W3IIT, at 610-584-4846 or Pat, WB3DNI, at 215-672-5289.

VHF EME'ers are encouraged to subscribe to the VHF EME Report. It was taken over by Doug, W2CRS, at the start of the year and has been running 12 pages of operating info and technical notes. Subscription rates are \$14 (US), \$16 (Canada) and \$20 (Worldwide air mail) all in US funds. Send subscriptions to Doug Allen, PO Box 5646, Woodland Park, CO. 80866.

Tom Whitted, WA8WZG, has recently moved. He is now at 4641 Port Clinton Eastern Road, Port Clinton, Ohio. Phone 419-732-2168. Tom is looking for skeds on 50 through 10468 MHz.

Write an article for Cheesebits and get widespread publication. John, KB3XG's series "10 Ghz Transverter, All the Boring Details" has been reprinted by the San Bernardino Microwave Society.

The May issue of Rocky Mountain VHF+ includes the second part of an article on 88-108 MHz FM DXing to Catch VHF Openings.

There is a new beacon in EN90 Check : 50.067, call W3HH. It should be on the air in the next few days.

Calendar of Coming Events -JUNE 1995

- June
7 The Arietids Meteor Shower predicted peak will be at 2053 UTC. Note that this shower is spread over several days.
- 8 Packrat Board of Directors meeting held at the June Contest site on Camelback Mt. All workers are invited.
- 10 UK SIX METER GROUP SUMMER CONTEST This contest running from 0000Z to 2400Z runs at the same time as the ARRL contest. The UK contesters will give a UKSMG serial number (I think). The score is (the number of contacts +one point per UKSMG contact) X no. of countries X no of grids. Send logs to Mr. D. Whitaker, BRS 25429, "Hillcourt", 57 Green Lane, Harrogate, North Yorkshire HG2 9LN U.K.
- 10-12 June VHF QSO Party. See May QST Page 134 for rules. W3CCX will be operating from Camelback Mountain, FN21, near Tannersville, Pa. on all bands thru 24 GHz.
- 10-July 10 1995 50 MHz DX Marathon sponsored by The "50 MHz DX Bulletin". Stations under 4400 KM get 0 points (but the multiplier counts), stations over 8800 KM get 3 points. Contacts or SWL reports count. See page 92 of the June issue of CQ for the rules.
- 11 Pleasant Hill Computer and Hamfest will be held at the Pleasant Hill Fire Co. carnival grounds 5 miles south of Hanover PA. TI on 146.895-.
- 14 Flag Day.
- 15 Packrat meeting at the Southampton Free Library on Street Road in Southampton, Pa. Annual election of officers. All members and interested VHFers welcome.
- 17 The Skyline ARC Hamfest will be held at the Cortland Co. Fairgrounds in Cortland NY. Talk-in on 147.78/.18. VE exams by reservation only.
- 17-18 1994 SMIRK Party Contest. 0000-2400Z. See rules on page 113 of the June issue of QST. Official log sheets can be obtained from Pat Rose, W5OZI at PO Box 393, Junction TX 76849.
- 18 Fathers Day
- 17 Lancaster County Computer and Electronics Show and Hamfest will be held at the Centerville Junior High School at 865 Centerville Rd. in Lancaster Pa. TI on 147.015+.
- 18 The Frederick Amateur Radio Club Fathers Day Hamfest will be held at the Walkerville Fireman's Carnival Grounds in Frederick MD. Talk-in on 147.66/06 and 146.52.
- 21 +/- 1 month. Look for openings to Europe on 6 meters.
- 24-25 Field Day. See May QST page 133 for the rules. Look for lots of activity on 50 and 144 MHz.

SWAP SHOP

(send all ads to the editor)

WANTED: 2 Meter Converter, 28 MHz IF output (other frequencies considered), +12 volt DC powered, must be working, NF not important. Contact, Richard Subin, K2EVW, PO Box 112, Floyd, VA., 24091 or call 703-593-2151.

FOR SALE: 1296 Power Amps, 250 watts to 750 watts, 2, 4, and 6 tube cavities using water cooled 7289, 8907 or single tube cavities using TH308, 328, 338 or water cooled Y730. Call or write to Tom Dinyovszky, KB2AH, 405 Union Lane, Brielle, NJ, 08730, 908-223-5067.

FOR FREE: 40 ft. Brand X Self Supporting Tower, free delivery. Contact John, KB3XG, at 610-584-2489.

FOR SALE: HP 606D Signal Generator. \$50.00. Contact Gary, WA2OMY at 610-539-6409. =

FOR SALE: Gel Cell Batteries, 12 volt, 57 Amp Hour. Removed from equipment, excellent condition, \$20.00 each. Contact: Bob, W3GXB at 610-346-8698.

1995 LADIES NIGHT AWARDS

1995 VHF SS 1st Place Single Operator, WA3AXV, Ron Whitsel
1995 VHF SS 2nd Place Single Operator, Phil Miguelez, WA3NUF
1995 VHF SS 3rd Place Single Operator, Paul Drexler, WA3JYO
1995 VHF SS 1st Place Multi Operator, Bill Murphy, K0RSJ
1995 VHF SS 2nd Place Multi Operator, Al Sheppard, N3ITT
1995 VHF SS 3rd Place Multi Operator, Al Bobblit, K3EOD
Home Brew Award, Best Construction, Doug Moser, WA2LTM
Home Brew Award, Most Ambitious, John Sorter, KB3XG
Home Brew Award, K3GAS Memorial Award, Best Unique, Don Swartzkopf, N3OZO
Home Brew Award, Consistent Quality Projects, Joe Kilgore, W2EIF
Pack Rat of the Year, John Sorter, KB3XG
Mario Fontana Award, Dave Mascaro, WA3JUF

ARRL VHF ROVER POLL

Club members and readers of Cheesebits that have operated and sent in a log for the ARRL VHF contests are urged to complete and send in their response to the poll sent out by ARRL Membership Services for the CAC. Please take time to think about your answer especially how it may affect VHF contest activity in general and the club competition specifically. As you may remember, the old contest rules made it relatively easy for a few rovers to generate a very large score that drastically affected club competition. The new rules solved this however they diminished the incentive of rovers to move to a many grid squares. Some rovers want to resort back to the old rover rules, some want to eliminate rover scores from club competition, and there are proposals for varying the method of counting the number of grids so that all grids can be added together as one of the point multipliers. Everyone will not be satisfied no matter what the new rules may be (assuming there are changes). Your thoughts and recommendations will be considered in what must be the most extensive survey that the CAC has ever taken on contest rules.

UPCOMING PROGRAMS

By: Gary, WA2OMY

I was glad to see such a good turnout at our May ARRL Night club meeting. It was a very busy night, to say the least. We started out at the "Meet the Speaker" dinner at 6:00, with approximately 10 club members and guests. Everyone seemed to have a good time and we made it to the library at 6:40. Set up of the AV equipment went smoothly, with numerous reassurances the PC overhead would work as planned. After Dave Newkirk's PC booted up, I was sure that everything was O.K. The business meeting had a full agenda, and I expect some of the issues are not yet put to rest. After the business was over, Kay Craigie, the division Vice Director, took a few minutes to address a few issues facing the Amateur community. She then answered some questions from our membership. Dave Newkirk started his program about 9:30. I was sure I had thought of everything, extension cords, spare bulb, screen, overhead, etc. However, after the projector was on about 10 minutes, a small black area began to take shape on our screen. This grew steadily until it was clear that it would be damaging to our expensive borrowed equipment. After shutting down the overhead while Dave talked about his next subject, the screen cooled and we were able to restart the projector. It went like this throughout the evening! Dave was able to keep the program moving, and several compliments were received at the end of the program. If I only had a muffin fan or a varaic!

I would like thank Kay Craigie for making the trip to meet with us again, and Dave Newkirk for driving down from New England to speak with us. Both Hugh Turnbull and Kay put forth an effort to make sure Dave was able to be with us. I also thank Bruce Loss and Doc Whitticar for providing the VGA overhead.

This will be my last month as your Vice president. I enjoyed serving with Paul, WB3JYO, and I am pleased with the several requests to go on as President. At this time, I am going to let someone else take over as the leader of the Packrats. I have served for 2 years now, and it looks like my family time and work schedule will keep me very busy in the coming months. In addition, there a few other projects I would to work on for both the Packrats and my station. I hope that some of the members who have not served as president and who are active in VHF and the club in general will step forward and serve as president.

Upcoming Meetings: June club meeting: ELECTIONS, June Contest report and results.
July: White elephant sale at the QTH of WA2OMY, details to follow in July Cheesebits.

New Members

Jan.- Ben Kelsall, WA3RLT, Box 464, Coatesville, Pa. 19320
March - Bill Lentz, AA2UK, 2619 6th Ave, Sweetwater, NJ 08037
May- Jerome Byrd, K3GNC, 1530 Locust Street, #20, Philadelphia, Pa. 19102

1995-96 Election Nominations

At the May meeting, Nominations were announced for the following club officers. Additional nominations are requested at the June meeting.

President: Later
Vice President: Bob, WB2YEH
Recording Secretary: Walt, WA3AQA
Corresponding Secretary: Dick, N3AOG
Treasurer: Dave, WA3JUF
Director: Don, N3OZO and Steve, WB3KRW

New Phone No.

Ron, KB3QM, 302-875-257

DX/Contest Info

From the Internet, etc.

WD8ISK will be on from EM98 for the VHF Contest. Terry will be operating on 50 MHz thru 2304 MHz, 1 kW on 2 meters thru 70 centimeters, 100 watts on the shf/microwave bands. If you'd like to make a schedule, send e-mail to terry.price@slma.com or call 703-754-1347 2200 to 0200 UTC

CAPE VERDE, D4. Geoff, GJ4ICD, will start his 6 meter effort around June 1 from the QTH of D44BC. Listen for D44BC on 6 meters as well as 28885 kHz.

PRATAS ISLAND. A large group of ops will commence operations on May 25. Some 6 meter and satellite operating is possible. Pratas Island is IOTA AS-110. QSL via KU9C.

ERITREA, E31. Jim, JF1IST, will be in Eritrea May 27 to June 11 on UN related activity. He plans to operate all HF bands, 50 MHz and OSCAR 10 and 13, though this is not a classic DXpedition.

Chris Patterson, WA3HMK and Lance Collister, WA1JXN will be traveling to little Cayman Island (6/4/95 - 6/12/95) for a 2 mtr. and 6 mtr. expedition. The expedition will concentrate on 2 mtr. EME, meteors and tropo. The 6 mtr. operation will concentrate on meteor and sporadic E operation. The operation will include the 1995 ARRL June VHF contest 6 mtr. equipment will include a Kenwood TS-690, 175w brick and 6 element yagi 2 mtr. equipment will include one KW output and a pair of M2 19xxx yagis with dual polarization. Grid square is EK99. They will monitor 14.345 MHz and 28.885 MHz. Calls will be ZF2OC and ZF2CP.

Upcoming VE3ONT Tests

de W9IP Michael R. OwenMOWE@SLUMUS.StLAWU.edu

These are the "very-tentative" plans for VE3ONT's operation using the Algonquin 46-meter (150') dish. Please keep in mind that these plans are subject to revision

August 19, 1995 : 10 GHz only. We plan to conduct echo tests to evaluate Moon reflectivity vs. geometry for the first few hours after Moonrise. After about 08:00 local time we will begin QSOs. This coincides with the 10 GHz contest. QSO operation is contingent upon us locating a 50-watt TWT

ARRL EME Competition:

October 7, 1995 : 144 MHz

October 8, 1995 : 50 MHz & 1296 MHz simultaneously

November 4, 1995 : 144 MHz

November 5, 1995 : 432 MHz

That's the plan - stay tuned for further developments

Announcing WWW Page for N.E.W.S.

de Ron WZ1V

Well, WZ1V has REALLY gone off the deep end of cyberspace now! With the help of Rob Bellville N1NTE, the North East Weak Signal group VHF-SHF club now has a World Wide Web page up and running. The URL is: <http://www.ultranet.com/~bellvill/news.html>. Bear with me as it is still under construction, but I've got news from our club, the upcoming August Eastern VHF/UHF Conference, general interest VHF-SHF info, and some pictures up and running. I haven't decided whether to create a subset of vhf oriented links on our page or just include them with Rob's general interest Hamlinks. Everyone's comments will go a long way in helping me make this a first class VHF-SHF Web page, so please do!

Atlantic Division awards

From ARRL Headquarters Newington, CT, May 17, 1995. To all radio amateurs

Atlantic Division awards The ARRL Atlantic Division has announced its 1995 award winners. The Atlantic Division Amateur of the Year for 1995 is Kenneth Botterbrodt, WA2CVJ, of Marlton, New Jersey. Ken is assistant section manager for youth for the ARRL Southern New Jersey Section. He has been instrumental in taking Amateur Radio into schools and arranging television exposure for Amateur Radio in southern New Jersey.

The Grand Ole Ham for 1995 is Donald E. Wagner, W2QFC, of East Aurora, New York. He has been licensed since 1934. In the 1935 ARRL Transoceanic 80 meter tests, he had QSOs with two Europeans, quite a feat in those days, especially for a 15-year-old boy. Recently, he organized the Association of D-Day Utah Beach Radio Amateurs.

The 1995 Atlantic Division Technical Achievement award goes to Tim Duffy, K3LR, of West Middlesex, Pennsylvania. A world-class contest operator, Tim moderates the antenna forum at the Dayton Hamvention, and has written on technical subjects for major amateur magazines, including QST. He also is the division's representative on the ARRL Contest Advisory Committee and formerly technical coordinator for the Western Pennsylvania Section.

These awards will be formally presented the weekend of May 20 at the ARRL Atlantic Division/New York State Convention in Rochester, New York.

VHF/UHF ALL-BAND SPRINT

The Northern Lights Radio Society presents the first VHF/UHF All-Band Sprint. Work as many stations as possible on our VHF/UHF/Microwave bands (50 MHz & up) during the contest period. Contacts can be made on SSB/CW/FM (no repeater or satellite QSOs). The Sprint will be Wednesday evening July 19, 1995. The suggested operating period is 7-10 P.M. local time; stations may shift their operating period one hour earlier or later for time zone or propagation considerations. Contest classes: Single Operator, multi-operator, and rover. A rover is one or two people operating from two or more grids during the contest period; no grid circling allowed. Exchange grid square locations. Scoring for fixed stations is the same as in the June VHF QSO Party. Rovers: Multiply QSO points from all grids by the total number of multipliers worked from all grids. Send logs and summary sheet (showing contacts and multipliers by band) within ONE week (July 26) to: Northern Lights Radio Society, 17500 Cherry Drive, Eden Prairie, MN 55346; or, via Internet (to NLRs@Hamlink.mn.org). Entries may be on disk in standard ARRL format. Send SASE for results, which will also be distributed to VHF newsletters.

Announcing a New e-mail Reflector for Amateur EME Operators.

de Michael Owen, W9IP 4/3/95

Moon-Net has been established by Michael Owen (W9IP) with support of his employer, St. Lawrence University. This reflector is devoted to exchange of information regarding all aspects of EME operation. It is an unmoderated list open to anyone with an interest in EME. Moon-Net traffic should adhere closely to EME related topics. Please refrain from posting VHF-, satellite- or general ham radio related messages to Moon-Net. Also, please avoid cross posting messages to/from Moon-Net with other radio related lists. Moon-Net is not archived. To subscribe, address a message to: LISTSERV@VM.StLawu.EDU In the body of the message, put "SUBSCRIBE Moon-Net" followed by your name. For example: SUBSCRIBE Moon-Net Michael Owen

When your request for subscription is received, a file of instructions will be sent to you along with confirmation of subscription. This should only take a few moments. To un-subscribe, the message should be UNSUBSCRIBE (everything else is the same):

UNSUBSCRIBE Moon-Net Michael Owen Since subscription/unsubscriptions are handled automatically, no other text will be read if the address is LISTSERV. To post a message to the net, address it to: Moon-Net@VM.StLawu.EDU.

If you have problems, send a message to MOWE@SLUMUS.STLAWU.EDU This is the first LISTSERV at this site so users should expect a few start up glitches. Please be patient.

CHEESEBITS SUBSCRIPTIONS

Cheesebits subscriptions are available to everyone interested in activities and information from the VHF through the microwave frequencies. Subscriptions are for 1 year of 12 issues. For a subscription, send the following information:

Name: _____ Call: _____

Street Address: _____

Town: _____ State: _____ ZIP: _____

Subscription Rate: \$10.00 per year (USA), \$12.00 (Canada), \$15.00 (Worldwide)

June 1995

Send to: SUBSCRIPTION/ADVERTISING MANAGER:

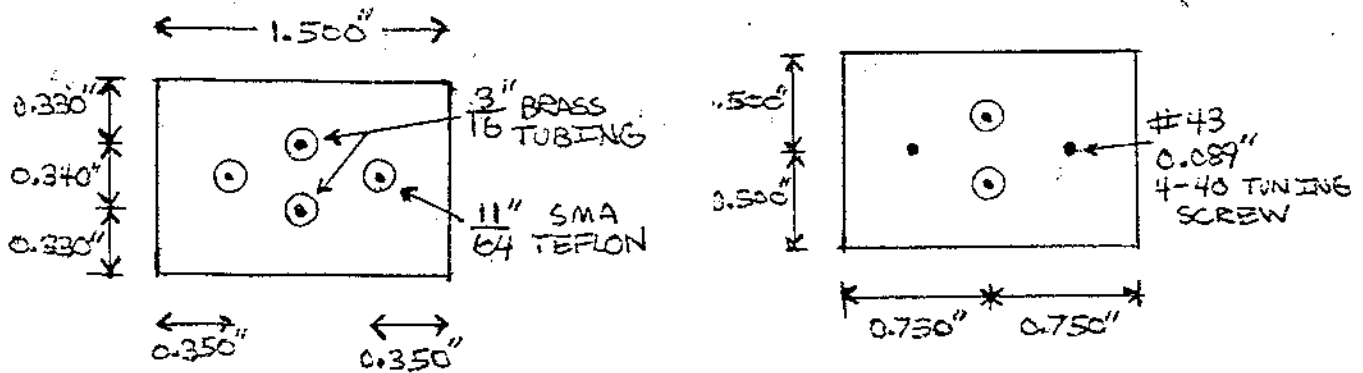
Bob Fischer, WB2YEH

7258 Walnut Avenue

Pennsauken, NJ 08110

Errata: 10 GHz TRANSVERTER, "All the Boring Details".

In the May installment, the editor failed to include the filter layout completely. Here is the correction showing the dimensions and mounting information for the waveguide filter:



50 MHz Beacons. Contd. from May 95 Cheesebits

50.075	K7IHZ	DM43	20	SQO
50.076	PY2AMI	GG67	10	G/P
50.077	N0LL	EM09	21	HALO
50.0775	VK4BRG	QG48	3	TURNSTILE
50.078	PT7BCN	I06	5	G PLANE
50.078	OD5SIX	KM74	8	1/4 VERTICAL
50.079	TI2NA	EJ79	20	DIPOLE
50.080	WB400J	EL87	10	VERTICAL
50.080	SK6SIX	JO57	10	GROUND PLANE
50.080	ZS1SIX	JF96JG	10	HALO
50.082	HC8SIX	EL59	4	VERTICAL
50.0825	LU8DCH	GF05	??	?? NEW:NEW:NEW:NEW:NEW:NEW:
50.084	3D2FJ	????	20	2 EL NNE
50.086	VP2MO	FK86	10	6 EL YAGI
50.0865	LU1MA	FF57	8	G/PLANE
50.087	PB0ALN	JO22	??	??? NEW BEACON: NEW BEACON:
50.087	VK4RTL	QH30	10	PROPOSED 95
50.0873	YU1SIX	KN03	15	DIPOLE
50.089	VE2TWO	FO13	18	DIPOLE
50.092	HC2FG/b	FI07	8	VERTICAL
50.095	PT5XX	GG54	50	D/POLE
50.098	LU2MFO	FF97	4	BEAM
50.100	LU2FMO	FF96	4	3 EL YAGI
50.200	VK0DX	OC53	50	3 EL YAGI
50.315	FX4SIX	JN06	10	X/DIPOLES @ 160M ASL
50.480	JH8ZND/B	QN02	10	DISCONE
50.490	JG1ZGW	PM95	1	DIPOLE
50.499	5B4CY	KM64	15	1/4 GP
50.521	SZ2DF	KM25	1000	4 * 16E QTF330/EL30
51.022	ZL1UHF	RF73	25	VERTICAL
51.029	ZL2MEB	RF80	10	1/2 VERTICAL
52.320	VK6RTT	OG89	10	
52.326	VK2RFV	QF57	10	VERTICAL D/POLE
52.330	VK3RGL	QF22		
52.347	VK4ABP	QG26	10	1/4 VERTICAL
52.350	VK6RTU	PF09		
52.370	VK7RST	QE37		
52.370	VK7RST	QE37		
52.410	VK1RCC	QF44		
52.418	VK0MA	QD95		
52.420	VK2RSY	QF56	25	TURNSTILE
52.425	VK2RGB	QF59	5	OMNI
52.435	VK3RMV	QF12		
52.445	VK4RIK	QH23	15	D/POLE
52.445	VK4RBM	QG48		
52.450	VK5VF	PF95	10	TURNSTILE
52.460	VK6RPH	OF78		
52.465	VK6RTW	OF85		
52.470	VK7RNT	QE38		
52.510	ZL2MHF	RE78	4	D/POLE

There are other beacons qrv not listed here because they are privatenon 24 hours ones, please advise me of any info left out. Any additions/changes then please Email me at: equinox@business.co.uk THE MOST COMPREHENSIVE 50MHz BEACON LIST EVER Compiled By GJ4ICD with thanks to: G0JHC, K1TOL, JA1 VOK, JF6DEA, ZS6PW, SM7AED, G3UBX, G3USF, K6FV, W3EP and others. If you need a 50MHz beacon and are willing to maintain and look after it, then I will be pleased to supply one free of charge. Get ready for cycle 23! Please help fill in the holes, ie: antennas, power levels etc. HOME PAGE Any additions/changes then please Email me at: equinox@business.co.uk updated 17/4/95

This list compiled by Martin Harrison G3USF on behalf of the Propagation Studies Committee of the Radio Society of Great Britain with thanks to all national societies and operators who have contributed information. Please notify any corrections, amendments and additions to G3USF by e-mail to poa01@keele.ac.uk or conventional mail to M. Harrison, 1 ChurchFields, Keele, Staffs. ST5 5HP, UK.

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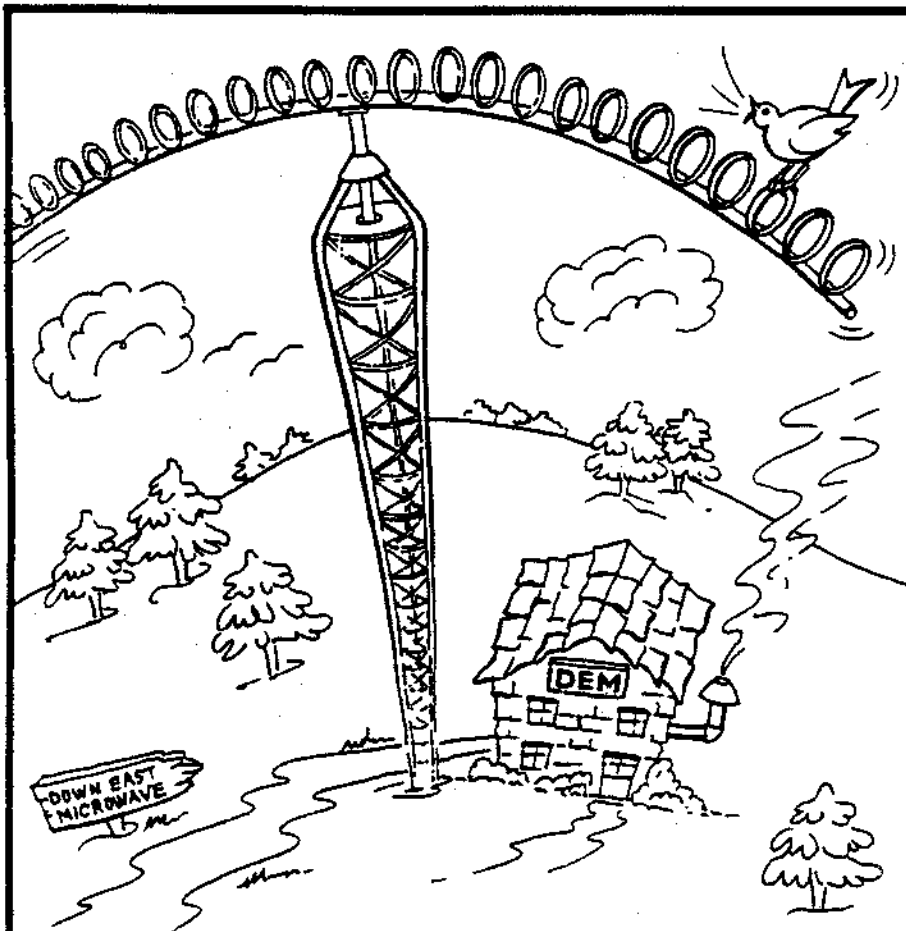


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