

Alliance Amateur Radio Club

Affiliated with the "American Radio Relay League"



ZERO BEAT

November 1991

The Envelope Please !

Well the 1991 AARC elections are now history and we have a new cast of club officers. Unlike previous elections there were even multiple nominations for the offices. I'm surprised that we weren't subjected to a couple of hours of campaign speeches before the voting began.

The new officers and their respective offices are:

- ✧ Pam Meyers, N8IAK President
- ✧ Larry Ashburn, KE8VE Vice President
- ✧ Dan Mutigli, N8LVO Secretary
- ✧ Patti Hillier, KE8KH Treasurer
- ✧ Jack Bennet, W8WEN Trustee
- ✧ Jim Wilson, KB8GHZ Trustee

The remaining trustee position is held by Dave Buckwalter, KC3CL, who has two years remaining in that term. All of the newly elected officers will be filling 1 year terms with the exception of the trustees. Jack, W8WEN will be filling a 3 year term and Jim, KB8GHZ will be completing the 1

year remaining on the term of office vacated by Larry, KE8VE.

Congratulations to all of the new officers and good luck in the next year.

"A Word From The Top"

I would like to thank all the members who voted for me. This office is going to be a challenge that I am looking forward to. I truly believe in the AARC, and will do my best to carry-on the excellence that has been handed to me. Please remember that any and all persons are welcome to attend the board meetings. Member input has always been welcome in the club, and will continue to be "status quo" now. Our club is a WE club, not an I club, which is why we have done so much. Congratulations to the new board and the best of luck to the outgoing officers who did an outstanding job. **See You At The Meeting!**

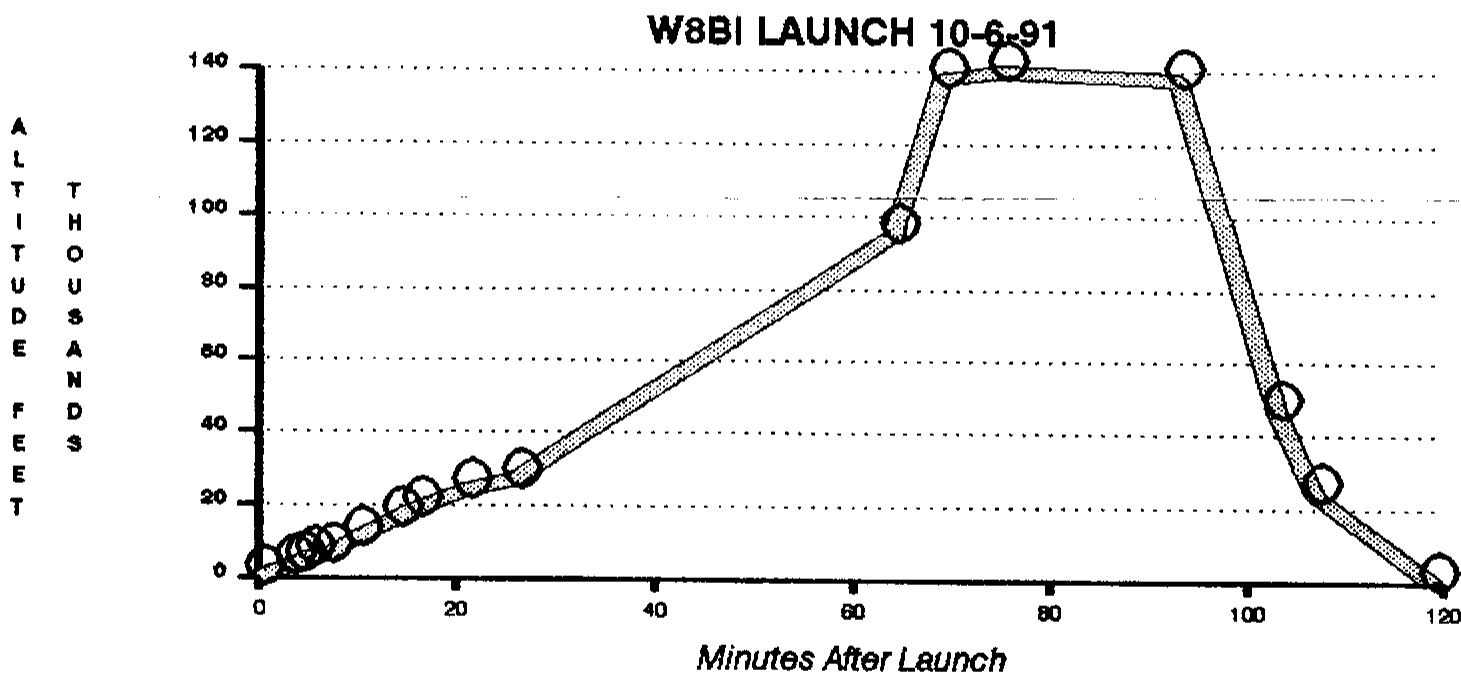
Pam Myers N8IAK

The next meeting of the Alliance Amateur Radio Club will be held on Thursday, 7 November 1991. Meetings are held monthly at the Alliance Community Hospital at 7:30 PM in the cafeteria on the first floor. Visitors are always welcome.

ATV Goes To New Heights

ATV fans were certainly not disappointed Sunday, Oct. 4, 1991. The Dayton Amateur Radio Service broke an altitude record for displaying live ATV video from outer space. A lighter-than-air balloon carried this amateur radio package to about 140,000 feet in about 1 hour and 15 minutes. The W8BI balloon carried a 100 milliwatt transmitter with beacons on 14.035 CW, 144.34 SSB, and 439.25 ATV. The balloon rose quickly after its launch at 9:10 am. Sunday morning (15:10 UTC) and amateurs at the Dayton airport said they were tracking the bal-

loon northeast of Dayton on a heading of 066 degrees. An on-board altimeter was relaying the height and temperature to the ground crew and it was reported that it was a rather, balmy -17 degrees Fahrenheit outside the balloon. Also during this time, a group of mobile balloon chasers were heading up Interstate 71 staying in contact with the ground crew and preparing to hunt the fox, when it descended. Net control took a breather after almost an hour and handed the net to WD9IZA. The balloon was 57 nautical miles downrange or about 65 statute miles northeast of Dayton at an altitude of 50,000 feet. The outside temperature was -29 F. A graph of the ascent shows the balloon rose most quickly



loon on radar. Rising at about 1,350 feet per minute after launch, the balloon was 10 nautical miles northeast of the Dayton airport 21 minutes after launch. Many amateurs were calling in on 7.258 giving signal reports for the various beacons. A station in London, Ontario reported seeing the ATV live video. By 9:39 a.m. or about 29 minutes after launch, the balloon had reached an altitude of 29,000 feet and the prevailing winds had carried the balloon 33 nautical miles

above 90,000 feet and many listeners were surprised that the estimated burst altitude of 120,000 feet was surpassed. From 10:14 a.m. to 10:43 a.m., amateurs received color pictures of the edge of space and "the curve of the earth." I think no one will disagree that the 24 min that the balloon stayed at about 140,000 feet and sent back live ATV pictures was impressive for anyone that was watching.

Its That Time Again !

Santa Clause is coming to town, and so is the 1991 AARC Christmas Banquet. This years festivities will be held on Saturday 21 December at Dawson's on State Street in Alliance. If you are new in the club, or have never managed to adjust your schedule so you could attend one of these annual get togethers, then you are missing a great time and lots of fun.

The cost for this years banquet is the same as previous years. Its FREE, but dinner is \$13.00 per person. This includes the gratuity. A cash bar will also be available. The dinner choices are Orange Roughie, New York Strip Steak, or Chicken Cordon Bleu. Each comes complete with salad, vegetable, coffee/tea/soda, and dessert. If you plan on attending this years banquet, please complete the attached reservation form and return it to Kitty Buckwalter N8LIP. Make all checks payable to the Alliance Amateur Radio Club.

As part of the evening activities during the banquet, the award for the 1991 "Ham of the Year" will be presented. This years winner has not yet been decided. If you have any suggestion as to who this person should be please write it down along with a brief note as to why they should be selected and return it to Dave Buckwalter KC3CL. In addition if you have any ideas for entertainment (gift recommendations) please notify Dave of these also.

ARRL BULLETINS

QST DE W1AW DX BULLETIN 46
ARLD046 FROM ARRL HEADQUARTERS NEWINGTON CT
OCTOBER 25, 1991 RELAYED BY KB8NW/OBS & BARF-80 BBS
TO ALL RADIO AMATEURS

Thanks to Marv, W2FGD, Allen, N2KW, Joe, K2GX, and the TRISTATE DX PacketCluster Network, for the following DX information.

BANGLADESH operations by VK9NS and VK9NL as S21ZA and S21ZB respectively, are expected this week. Jim brought a linear amplifier and has a Yagi ready to be assembled when he arrives. Kirsti will stay one week, and Jim will stay two weeks.

AFGHANISTAN activity by YA2CW resumes this week. Jacky, F2CW, returns from vacation with a keyer and vertical antenna.

WAKE ISLAND will be active on SSB this weekend with AD1S/KH9 on five bands.

ALBANIA continues to be active with ZA1HA and ZA1DX on all bands.

Look for EK0RR/MM and QSO a Soviet Navy submarine in active service. UB5JRR cruises the Black Sea, transmitting underwater no less.

JUAN DE NOVA remains active. FR5AI/J appears at 1700z for list operations on 14256 kHz, and then on 21345 kHz.

OGASAWARA ISLAND has been active as JP1AVZ/JD1 and JQ1QET/JD1 are preparing 10 and 15 meter SSB single band contest stations.

CROZET ISLAND may be losing its only active station when FT4WC returns to France in a few weeks. Catch him on 20 meter CW at 1300z.

SIERRA LEONE will be far less active when 9L1US goes QRT next week. Catch Dave in the contest this weekend. He then plans a four month vacation before going to his next assignment in Botswana, A22.

LAS AVES. According to YV5EED, a group will activate Las Aves Islands signing YX5LA from November 7 through 10. QSL via YV5ARV. Las Aves is an IOTA number, but counts only for Venezuela towards DXCC.

KERMADEC ISLAND is targeted for March 1992 by Ron, ZL1AMO.

CONTEST SPECIAL Look for the following stations this weekend during the CQWW SSB contest.

C4AFQ by K1TN, KR1S and VP2ML, HS0E by K9EL, J80D by the KP2A team, KP2A by CT1BOH, P40V by A16V, V47NS by W9NSZ, ZB2X by OH2K1, ZD8Z by N6TJ, 5V7JG by F2JD, and 9M6NA by JE1JKL.

P40J and P40W will be by W2GD, who likes 160 meters on the hour after 0200z.

PJ9W runs a three element delta loop on 160 meters and a Yagi on 80.

CT3M will be active. QSL via CT3BX.

PJ7A, Dutch Sint Maarten, by K1TO and NJ2L. Check 160 meters on the hour starting at 0500z. Before and after the contest, check the WARC bands, 160, 80, and 6 meters. QSLs go to the Callbook address of PJ7A.

If you cannot spend the weekend contesting, a good way to experience the excitement is to operate for a full hour while attempting to maximize the number of DX stations logged, regardless of their QTH. Be warned, however, that it may be difficult to stop once you start. Please try to avoid the top 50 kHz of the phone bands, as it supports many non-contest related activities.

Good Luck in the contest and on DX de KB8NW/OBS

QST DE W1AW
DX BULLETIN 45 ARLD045
FROM ARRL HEADQUARTERS NEWINGTON CT
OCTOBER 18, 1991 RELAYED BY KB8NW/OBS & BARF-80 BBS
TO ALL RADIO AMATEURS

Thanks to Paul, KB1BE, the Connecticut DX Association, and N4XR for the following DX information.

BANGLADESH, S2. Two officers of the Bangladesh Amateur Radio League have been licensed. They are Saif, S21A and Nazim, S21B. Jim and Kireti Smith, VK9NS and VK9NL, have been issued S21ZA and S21ZB, respectively. The Smiths are expected to be in Dhaka in about a week or so. Jim helped draft the new amateur radio regulations for Bangladesh. Look for activity soon.

FROM THE DXCC DESK. The DXAC has unambiguously declined a petition seeking new country status for Jarvis Island. The petitions cited Point 3B of the Country List Criteria, basing their argument on separation by economic zones. The DXAC ruled that this was not in accordance with current DXCC Rules.

AH3C/KH5J cards continue to be accepted by the DXCC Desk for Palmyra/Jarvis country credit.

ALBANIA, ZA. Documentation for the IARU group signing ZA1A has been accepted for DXCC credit. Licensed Albanian nationals are using ZA1TAA through ZA1TAL at this time. Other operators licensed by the Albanian PTT are using Z in the suffix, such as the French operation of ZA1ZXV, ZA1ZMX and ZA1ZVX. QSL these contacts to F6EXV.

TUVALU, T2. Andy, G4ZVJ, has left his 3D2VJ operation on Fiji and will be operating as T20VJ for approximately one week.

DX PHONE CONTEST TIPS.

THAILAND, HS. HS0E will be operated by John, K9EL. He will also operate some CW prior to the contest. QSL to his home call.

SAINT VINCENT, J8. J80D will be manned by W8KKF and friends. QSL to his home call.

ASCESION ISLAND, ZD8. ZD8Z will be activated by Jim, N6TJ for two weeks beginning October 22.

SAINT KITTS, V4. V47KP will be operated by K2DOX. QSL to his home call.

REVILLA GIGEDO, XF4. Members of the ARARM DX Club will operate as XF4I for several weeks beginning October 21, all bands and modes.

DODECANESE, SV5. SV0HV/S0 is currently active from Rhodes.

UPCOMING DXPEDITIONS. Mark your calendars for operations from Clipperton Island, signing FOOCI and from South Sandwich Islands, VP8, scheduled for March 1992.

Good Luck on DX de KB8NW/OBS

QST DE W1AW

DX BULLETIN 44 ARLD044

FROM ARRL HEADQUARTERS NEWINGTON CT

OCTOBER 11, 1991

RELAYED BY KB8NW/OBS & BARF-90 BBS

TO ALL RADIO AMATEURS

Thanks to Paul, K1XM, and the Yankee Clipper Contest Club for the following DX information.

ALBANIA, ZA. From being one of the rarest countries, Albania is now one of the more common. The ZA1A operation is over, the international group has left the country, but in their wake nearly 70,000 QSOs were logged and twelve new Albanian operators have been licensed. Listen for the new calls ZA1 TAA through ZA1 TAL.

Recent spots show ZA1HA, ZA1QA, ZA1ZMX, and ZA1ZXV to be active.

LESOTHO. ZS6AIS/7P8 is active. Check 24962 kHz at around 1930z and 14230 kHz around 0300z.

MONGOLIA, JT. JT1/SP5RB and JT1/SP5DRH are both active. Check 18069, 10101, and the lower 20 kHz of 15 and 20 meters.

SOUTH SHETLAND ISLANDS. HFQPOL is very active again. Check 18122 and 18071 kHz at

around 0000 and 0200z, and 24902 kHz at 2300z.

FIJI. 3D2YI, 3D2YN, and 3D2TR have been reported active. QSL all three to JI1NJC.

ROTUMA. Ron, ZL1AMO, is now signing 3D2RW/R. Check around 14025, 10103, and 7003 kHz.

160 METERS. As we progress into Fall, this band is seeing more use. KG4DD is on 1834 kHz between 0200 and 0300z. Look for ZS4PB around 0400z, and Z21HS on 1833 between 0230 and 0330z.

GONE BUT NOT FORGOTTEN. FR5ZU has left the island of Glorioso. Jackie, 3B8CF/3B7 left Agalega on Thursday. QSL his home call.

Good Luck on DX DE KB8NW/OBS

1991 HAM OF THE YEAR

Your recommendations for the 1991 AARC Ham of the Year are now being taken. The Ham of the Year is selected from the list of recommended candidates by the previous year winner. Last years winner was KC3CL. The selected winner is then verified by at least one board member and the selection is kept secret until the annual Christmas Banquet. At the banquet, the lucky and deserving individual is presented with the "rotating" plaque with their name and call added to the growing list of AARC members that have made significant contributions to AARC and Amateur Radio.

If you have not already done so, then pass your recommendations to Dave, KC3CL at the next meeting and plan on attending the banquet to see who this years lucky winner is.

QST DE W1AW
ARRL BULLETIN 43 ARLB043
FROM ARRL HEADQUARTERS NEWINGTON CT
OCTOBER 23, 1991 RELAYED BY KB0NW/OBS & BARF-80 BBS
TO ALL RADIO AMATEURS

Congressman Don Ritter of Pennsylvania has introduced a bill, the Federal Communications Commission Engineering Sciences Qualification Act of 1991, which would require that at least one FCC Commissioner, at the time of his or her appointment, either have a bachelor of science degree, hold senior or fellow status in a nationally recognized engineering society, or be registered as an engineer. According to Representative Ritter, the bill, HR 3501, was introduced to give the FCC greater ability to handle the complex technical engineering questions that will be coming before the Commission in the years to come. ARRL has not yet adopted a position on the bill.

QST DE W1AW
ARRL BULLETIN 41 ARLB041
FROM ARRL HEADQUARTERS NEWINGTON CT
OCTOBER 9, 1991 RELAYED BY KB0NW/OBS & BARF-80 BBS
TO ALL RADIO AMATEURS

From a report to the IARU Conference now underway in Bandung, Indonesia, the Bangladesh Amateur Radio League, BARL, reported that the Bangladesh Wireless and Frequency Allocation Board has decided to reintroduce Amateur Radio.

BARL approaching the government and offering to provide emergency communications during emergencies created a positive perception of Amateur Radio.

Regular licensing of operators has begun. The first two licenses were issued to BARL President Saif Shahid, S21A, and General Secretary Nizam Chowdhury, S21B, on October 5. Six more licenses are expected soon.

Hams plan active participation on the air by the end of the year.

QST DE W1AW
ARRL BULLETIN 40 ARLB040
FROM ARRL HEADQUARTERS NEWINGTON CT
OCTOBER 9, 1991 RELAYED BY KB0NW/OBS & BARF-80 BBS
TO ALL RADIO AMATEURS

Representatives of 18 national Amateur Radio organizations are meeting at the 18th Regional Conference of the IARU Region 3 Association in Bandung, Indonesia. In his opening address, IARU President Richard Baldwin, W1RU, spoke of the rapid pace of Amateur Radio development in the Region. The event was commemorated by a first day cover postage stamp honoring the host society, the Indonesian Association of Radio Amateurs. Special event station 8A1IARU is being operated by the conferees.

The one week conference is considering proposals for amendments to the Region 3 Association constitution, reviewing progress on WARC 92 preparations, and promoting Amateur Radio operation and progress in developing nations.

ARRL delegates include W4RA, K1ZZ, W6EJJ, and NX1L.

A.A.R.C. 1991/92 ROSTER

PENDING--938-9135	Grant Kelley	505 W. Ohio Ave.	Sebring,	Ohio 44672
Assoc.---821-9808	Diana Ashburn	1080 W. Beech St.	Alliance,	Ohio 44601
F-W8ACP--823-9603	Bob Hobbs	2305 Bellaflower A.	Alliance,	Ohio 44601
S-NW8C---823-9423	Paul Beane	693 Wilcox St.	Alliance,	Ohio 44601
F-KB8CDA-823-6866	Barbara Gwynne	10533 Dot Ave.	Alliance,	Ohio 44601
F-KC3CL--821-4409	Dave Buckwalter	12435 Beula St.	Alliance,	Ohio 44601
F-K8DEN--823-2304	Ray Scoville	14096 Bandy Rd. R4	Alliance,	Ohio 44601
S-N8DZA--823-3925	Jim Ferguson	115 E. Cambridge	Alliance,	Ohio 44601
S-N8EAD--823-3067	Matt Thomas	8439 Schubert Av. NE	Alliance,	Ohio 44601
f-KB8ETH-762-6057	Jeff Bennett	105 Price Place	Akron,	Ohio 44308
F-N8EWV--938-6744	Larry Hillier	18334 Rt. 62	Beloit,	Ohio 44609
f-N8EZO--938-6719	Alan Hillier	18334 Rt. 62	Beloit,	Ohio 44609
F-WC8F---823-6866	Ron Gwynne	10533 Dot Ave. NE	Alliance,	Ohio 44601
S-WX8G---821-5513	John Myers	510 W. Harrison	Alliance,	Ohio 44601
F-KB8GAC-875-8389	Bonnie Robison	6455 Apple St.	Louisville,	Ohio 44641
F-KB8GHZ-492-3754	Jim Wilson	6974 Rolling Rdg NE	N. Canton,	Ohio 44721
f-KB8GIA-492-3754	Gladys Wilson	6974 Rolling Rdg NE	N. Canton,	Ohio 44721
S-N8HRZ--652-5028	Ray Solinger	722 Scott St.	Niles,	Ohio 44446
f-N8IAK--821-5513	Pam Myers	510 W. Harrison	Alliance,	Ohio 44601
S-KE8II--938-9135	Hal Kelley	505 W. Ohio Av.	Sebring,	Ohio 44672
F-KB8IVS-492-0703	Mary Ann Royer	6255 Sandalwood NE	Canton,	Ohio 44721
F-N8JKZ--821-8469	Gene Smythe	22590 Hartley Rd.	Alliance,	Ohio 44601
F-KE8KH--938-6744	Patti Hillier	18334 Rt. 62	Beloit,	Ohio 44609
F-KB8LEH-938-2465	Stacy Yendrich	18323 Derr Av.	Beloit,	Ohio 44609
F-KB8LEJ-823-4299	David Mangus	13970 Helen Av.	Alliance,	Ohio 44601
f-N8LIP--821-4409	Kitty Buckwalter	1243 5 Beula	Alliance,	Ohio 44601
f-KB8LJN-821-4409	David Buckwalter	1243 5 Beula	Alliance,	Ohio 44601
S-KA8LKQ-821-0931	Dick Bontrager	1658 Burt/Apt. B	Alliance,	Ohio 44601
F-N8LVO--868-6610	Dan Mutigli	925 East First St.	Minerva,	Ohio 44657
F-KF8LZ--875-8525	Alan Orwick	7750 Georgetown Rd.	Louisville,	Ohio 44641
F-N8MAA--875-2629	Jim Miller	413 Woodward Ave.	Louisville,	Ohio 44641
F-N8NLZ--821-8423	Rv David Hostetler	22 30 Clark Av.	Alliance,	Ohio 44601
F-WI8T---821-4344	Allen Dicks	2235 S. Arch Ave.	Alliance,	Ohio 44601
F-W8UKQ--823-4855	Dave Glass	217 W. Simpson St.	Alliance,	Ohio 44601
S-KE8VE--821-9808	Larry Ashburn	1080 W. Beech St.	Alliance,	Ohio 44601
F-W8WEN--821-9779	Jack Bennett	3591 Mountview Av.	Alliance,	Ohio 44601
F-WB8ZQX-799-8464	Sam Simon	2834 Rexford Rd.	Youngstown,	Ohio 44511
F-W8ZZS--823-6386	Bill Bennett	BOX 2444	Alliance,	Ohio 44601

Memberships-S=Sustaining F=Full f=Family 10/91

Zero Beat is published monthly by the Alliance Amateur Radio Club. All correspondence related to the Zero Beat should be addressed to:

Alliance Amateur Radio Club Inc.

Attn: Editor Zero Beat

P.O. Box 3344

Alliance Ohio 44601

Articles for publication can be submitted to the editor by mail, in person, or electronic transfer. Electronic transfer can be made by telephone modem, radio teletype or an IBM PC formatted disk. Disks should be 5 1/4" 380Kb or 3 1/2" 720Kb. Disks will be returned. Files should be in ASCII format or if in an IBM PC wordprocessor format, the wordprocessor used must be specified to permit conversion. For radio, telephone or teletype transfer contact the editor to make arrangements.

Zero Beat Editor:

KC3CL Dave Buckwalter

12438 Beula St., Alliance, OH 44601

(216)-821-4409

The activities of the Alliance Amateur Radio Club are coordinated by an elected board of officers. The current officers and the respective positions are:

President - Pam Myers - N8IAK

Vice President - Larry Ashburn - KE8VE

Secretary - Dan Mutigli - N8LVO

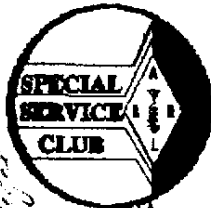
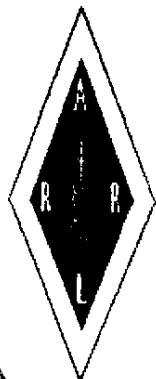
Treasurer - Patti Hillier - KE9KH

Trustee - Jack Bennet - W8WEN

Trustee - Dave Buckwalter - KC3CL

Trustee - Jim Wilson - KB8GHZ

Alliance Amateur Radio Club
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Alliance, Ohio 44601-9998



To:

W8UKD
Dave Glass
217 W. Simpson St.
Alliance Ohio 44601

Mail 9/12-13/92

Salem 1/2" (1) thicker 2/0

1.4 TH of ant = 1.06 height

*3ele 10mtr = 6-7d
75° beam width*

*2mtr 4ele 4'
144.1 mhz
31' 39" 39" 41" R
D D DT*

*Quads
72 ft coat in 0.5*

*Whisker out tuner
use out tuner
multi-dipole
square dipole
inverted V
to dipole*

*Copied
5-5-92
See Study Guide
Nov. 4 Tech.*

each side 8mtr