	DEI	TA AMATEUR RADIO CL	UB	
	SPARKS P.O.	SPARKS Web Edition BOX 750482 MEMPHIS, TN 38175-0482 / VOL. 13 / AUC W 4 B S R E P E A T E R S Y S T E M 146.82, 147.36, 224.42, 443.2 & 145.03 Packet	GUST 2001	
indeed, did much of the pioneering work for what was to be	become commercial shortwave radio	tions that are ours to use? In the "old days," of spark transmi o. As the years rolled by, hams have continued to contribute	to the science of electronic communications. Also, as the	he years rolled by, hams became
involved in emergency communications and in lots of case communication services for many events. Public service is Delta Club has a rich tradition of public service, not the lesservice for our community and the surrounding areas in tinnights on the W4BS 146.82 repeater at 9:00 pm local times.	is a paramount reason that we have the east of which is our members' participants of dangerous weather. Join us are.	nication in and out of disaster areas. Our public service role h	nas evolved from providing not only emergency community gram's use of our repeater for most of its activities. SKY orn more about it. In the meantime, check into the SKYW	nication, but to providing YWARN provides a unique public
T814400 – and save 10 % off their Super Value daily and	weekly rate in the contiguous USA	u are in a situation where you need to rent a car, whether local and 5% off promotional rates in the USA. EAT FIELD DAY. Having done my first Field Day in 1961 (a		
SKYWARN PRESENTATION AT THE AUGUST MEETING The program at the August meeting will be presented by T those of you who do not know, Skywarn is composed of tr	rained volunteer spotters for the Nat	Alex Graham, KE4GYR. The topic is the Skywarn program. tional Weather Service. Tommy and Alex will describe the program and the service of the program.	program and will have forms and materials for those inter	
ADDING TONE TO YOUR OLD RADIO A discussion arose the other day on the 146.82 machine at		ners manning the Weather Net on the 146.82 repeater during some. The question was regarding the fact that older radios do		
frequency. Although these are about \$5.00 cheaper than the 0.5 Hz of the desired frequency. The other type uses either by either a ceramic resonator or a crystal oscillator that is one source for these products is Amateur Electronic Supplementary.	the other type I have found that they er solder pads with jumpers or DIP so temperature compensated. These upply (AES) as seen in their catalog on	coder/decoder boards to retrofit older radios and at a reasonabe do not hold their frequency very well and may be difficult to switches to set the frequency. The frequency is maintained nits will work on all of the standard EIA frequencies. I page 79. Prices start at \$21.99 for the tunable encoder only, ables. One note here, DO NOT connect the encoders to the magnetic start at \$21.99 for the tunable encoders.	set to the desired frequency. The frequency must be set to the desired frequency. The frequency must be set to \$62.99 for the DIP switch version of the encoder to \$62.	et to and remain within less than 2.99 for the encode/decode
Hz. The encoders must be connected to the modulator standeviation at 5 KHz with the encoder operating. You may also purchase the encoders directly from the mar Communication Specialist, Inc. 426 Taft Ave. Orange, CA, 92865 714-998-3021, Fax: 714-974-3420		or modulation level of the transmitter may require adjustment	nt to keep the	
Www.com-spec.com Norcomm NorFAX automated 24 hour FAX retrieval system: 530-477-8403 I hope this helps.				
Paul WM5Q JAMBOREE ON THE AIR (JOTA) OCTOBER 20-21, 2001 How would you like to do something to introduce youth to	· ·	d you like to work a little DX? How would you like to practic	· · · · · · · · · · · · · · · · · · ·	•
This is not a contest. It is an operating event that can really operate stations calling CQ JOTA. At this point you establ pass the mike. Yes, you can get a fellow ham in hot water	ly be a blast. I have done it several yelish the contact and start passing the by passing third party traffic. The chor campout. You can do it in your	Geneva Switzerland is the sponsoring organization. The ever rears and have an awful lot of fun with it. This is not just for It is mike getting the Scouts at each end talking with one another or shack. I did not want the imposition on the better half and the so that all I wanted was shade.	Boy Scouts. Girl Scouts can and should participate in thi	is too. You fire up your station an nent countries handy before you
log, something to show off the QSL cards that you have red. If you want to take part in this, get in contact with a Scout If you want to be a part of this you will need to talk to the battery from their campsite. Just as much as you might like patches for the event. This could also make some Scout le	ting leader and see what you can work leaders as soon as possible. Most leader to collect certificates and QSL care eaders even more open to the idea of	ork out. Many religious institutions and civic organizations speaders make their plans many months in advance. If the troopeds the Scouts like to collect patches. JOTA has both world and participating.	ponsor troops and packs and should be able to tell you how is camping that weekend you can still take your HF rig and US	ow to get in touch with the leader with you and operate off of a
Scout leader can give you some of the most wonderful and QST and SCOUTING magazines will both have articles at Hugh Wardlaw, WB4SLI	d rewarding experiences that you wi		is a counselor for these merit badges. You may also find	that what you wind up doing as a
folks downtown are very grateful to you for your participal sirens are, but I will give you this advice. The dead siren in the Vol-Net. That is the only warning you may receive. Are be affected. Seven elementary schools, two middle schools. You may not live in these areas but I will bet my Alinco 58.	ation. We only have 29 more sirens to may be the one you or your loved on the high south in the Airpals, and four high schools and one votage that at least one of you reading the street in the schools.	Siren System Testing Program. To date, we have tested 50 si to go! Then we can focus on the duds for the rest of the summes will be depending on. If you live in the City Limits of Labort area, well, we are still waiting to hear from you. This are tech. I am not going to pull a Clinton line here and say do it his has a close friend or loved one in these areas mentioned. It is to seek shelter. The siren protecting that area is not work.	mer. And we do have a few of those! (Quite a few!) I can keland, I hope you have a S. A. M. E. Radio and a VHF ea alone has 14 sirens to test. Get this! They are all locate for the children. We all should know how important it is Do you have any friends who work in the 5400 block of	nnot go into where all the dead HT to the Delta club repeaters and ted at places where children could be to have these sites operational. Poplar around the Fogelman
Home Park and this tornado is now making it's way toward people get enough warning to get out of those mobile home out the operational sirens so that we can then focus on the and find at least three that you would be willing to go test, choice first, second choice second, you get the idea. Out of weeks.	rds that area. How will those mes and into a safer location if the one "Problem Sites." But Bobby, and the Go to the website for Siren Testing of those three, we will try and accom	anly sound they hear is the twister ripping across Canada Road ne gang and I need some help. Here is what we need. I will list and click on the listed sites that you would like to test. Send amodate you as best as possible. We will even keep your chool of the process of the p	d? Most sirens in this area are dead as of 07/07/2001. Wi st below, the site # and names of sites that still need the id your first pices on file and let you do one a week and we will even to	ith everyone's help, we can knock initial 2001 testing. Use this list
gracious in letting us use the repeater for this project and TAND DELTA CLUB!! Have a great summer and see ya or 73, Robin McConnell (KE4GPR) OWSST Coordinator for OVMEMEMA/RACES/ARES Bobby Jamerson (KG4CMA)	Tommy Thompson, KD4TJO, has don the air!	one a wonderful job on the Web site! THANK YOU TOMM		
Assistant Coordinator MemEMA /RACES/ARES Memphis Shelby County EMA Federal Emergency Management Agency Delta Amateur Radio Club Siren Testing Link:				
Siren Testing Link: http://www.deltaclub.org/siren_testing.html SITE # / LOCATION NORTH 29 Westside Elementary 62 Raleigh Egypt High Sch. 67 Corning Elementary				
SOUTH 17 White's Chapel Elem. 18 Winchester Elem. 19 Ford Road Elem. 20 Westhaven Elem. 23 Westwood High Sch. 25 Havenview Jr. High(Middle) 28 Graves Elem.				
30 Hillcrest High Sch. 35 Lakeview Elem. 50 Coro Lake Elem. 52 Riverview Middle Sch. 54 Lanier Middle Sch. 56 Southwest Vo-Tech 58 Fairley High Sch.				
SOUTHEAST 66 Tchulahouma and Shelby Dr. 69 Fox Meadows Sch. 76 MLG&W Property @ Sharpe Plaza 77 City Property 6204 Winchester MIDTOWN 03 Sterick Building 08 St. Theresa Day Care				
41 Melrose High School 48 Hollywood Elem. 57 Douglas Elem. 59 Orleans Elem. DOWNTOWN 05 Manassas High School 06 MLG&W Property @ 35 West McLemore				
great if we had been able to find enough operators to keep Elmers in the Elmer Shack. We'll get you operational in r	the station busy for the full event. In time!	ing from the PSK31 station at Field Day 2001. The times I we Don't be shy. If PSK31 (or any of the digital modes) interest	ets you but you feel like you don't know enough about it	to operate, contact one of the
RIGblaster and would be happy to include an article in a f Tom, K4TTA, and myself (K4DIT) presented a program of	future issue of SPARKS comparing to the digital modes to the Mid-South A	o Interface, and is similar in capability to the popular RIGbla the two. If you have an MFJ-1275, send your comments to kernateur Radio Association (MARA) club at their regular meeing the presentation. The membership was impressed with the	eting on	
speed or you may encounter some letters that are unfamili	iar.	re does sound different from the 18 character speed we have bers, for helping once again at this session of July 10. We have		ou are practicing at the correct
James Montgomery KG4OCX Extra John Zempel KG4OGL Techn While on vacation I visited the Cleveland Zoo. As I travel anyone could get their hands on the display. Along with the with the special call of K8ZOO. If this had not been my la Included in the display was information on how to get you	led through they had a wonderful rai his was a sampling of QSL cards rece ast day in the Cleveland area, I surely ur ham radio license. Next time I am	in forest exhibit. On one of the levels of the exhibit I came acceived by the station. There was a call sign and phone number y would have liked to operate the station from such a wonder in Cleveland I do think that I will try to contact the owner of	er to contact for anyone wishing to operate. It looked as it is rful location.	
I guess this shows that if you keep a lookout - you may fin 73, Joan KN4PM Delta Division ARRL VE Liaison kn4pm@arrl.net	nd Ham Radio in the most unsuspect	ting places. Next testing session is August 14th.		
· · · · · · · · · · · · · · · · · · ·	apressed their opinions on possible well members still have an opportunity to	vays to optimize use of the present Novice and Technician Plate participate. A copy of the Novice Spectrum Study survey re		•
Appointed by President Jim Haynie, W5JBP, the Novice State FCC no longer issues new Novice licenses. The member In addition to the survey responses tallied, several dozen rare highly appreciated by the committee," said Dave Patto understand some of the assumptions made by the committee.	Spectrum Study Committee is chaire bership survey is part of the Board's more comments were filed by membon, NT1N, who's Headquarters staff tee regarding what questions to ask a	ed by ARRL International Affairs Vice President Rod Stafford mandate to the committee. A final report is due at the annual pers and nonmembers alike via e-mail to <novicesurvey@arrl 1,="" a<="" and="" as="" band="" classes="" do="" element="" except="" for="" have="" liaison="" modes="" not="" offer="" open="" panel.="" passed="" patton="" predefined="" segments="" td="" technicians="" the="" those="" to="" urged="" what="" who="" yet=""><td>l meeting next January. l.org>. "The written comments for the most part have become so to fill out a survey. "Please make sure to read the otions." Generally speaking, the committee's predefined</td><td>een thoughtful and reasoned and entire text of the survey to help options propose retaining Extra</td></novicesurvey@arrl>	l meeting next January. l.org>. "The written comments for the most part have become so to fill out a survey. "Please make sure to read the otions." Generally speaking, the committee's predefined	een thoughtful and reasoned and entire text of the survey to help options propose retaining Extra
member wrote. "And I am glad to see that Extra class CW provides. Not all commenters were happy. "By handing No predefined choices. No license class would lose privileges under any of the predefined choices."	Vibands remain in place." Other complete Sovices significant amounts of additional additions of	Although I operate and prefer CW over phone, I welcome the ments recommended no change or expansion in privileges for an all bandwidth 'free of charge' you remove one of the key members are the manittee has suggested that Novice/Tech Plus CW band restrit on 80, 40, and 15 at up to 200 W. Novices already may oper limited to 200 W output.	or Novice or Technician Plus operators on the affected band notivators to upgrading, namely access to additional band ictions on 80, 40, 15 and 10 meters be changed to match	andsan option that the survey dwidth!" one said about the those of the General class
* *	nis allows the PK232 to continue to a	company has now come out with an internal add on for the unadapt to the new digital modes coming out. The new units for		
James Butler KB4LJV AMATEUR HARDWARE UPDATE Many times we need to make connections to electronics for	for troubleshooting. We may need to	hook up a probe to a connector or point that is hard to attach		
connectors. This month's project is PROBE ADAPTERS. easily attached. The PROBE ADAPTERS are easy to buil I will have the PROBE ADAPTERS at the meeting to sho SEE YOU AT THE MEETING James Butler KB4LJV	ld up and really come in handy when	re that have been made up with connectors and ring terminals n testing.	s on the end to allow them to be hooked to a circuit unde	er test and allow a probe to then be
SPECIAL MESSAGES: Join us on the new PSK31 net - Thursday nights at 8:30 P. Please bring a treat to the meeting to share at break time!		r K4DIT for details		
Got an idea for a SPARKS article? Email Ken Gregg, k4c. Got an idea for a program? Email Gary Blinckmann, gary. CONTEST CALENDAR Here are some of the contests coming up in the next few w	yb@midsouth.rr.com			
ARRL UHF Contest, Aug 4-5, see July QST, page 119. North American QSO Party, sponsored by the National Content of the Nationa	rnational, 0001Z Aug 4 to 2400Z Aug		OZ Aug	
YO-DX Contest, sponsored by the Romanian Amateur Ra Maryland-DC QSO Party, sponsored by Antietam Radio A Worked All Europe DX Contest, CW, sponsored by the Do ARRL 10 GHz and Up Cumulative Contest, Aug 18-20, so	Association, 1600Z Aug 11 to 0400Z Deutscher ARC, 0000Z Aug 11 to 240	Z Aug 12 and 1600Z Aug 12 to 2359Z Aug 12. <u>www.qsl.net/</u>	/w3cwc/rules.htm	
New Jersey QSO Party, sponsored by Englewood ARA, 20 TOEC WW Grid Contest, CW, Aug 25-26, see June QST W/VE Island Contest, sponsored by the US Island Awards Ohio QSO Party, sponsored by the Mad River Radio Club SPECIAL EVENTS	page 108. s Program, from 1600Z Aug 25 throu	ough 2359Z Aug 26. eng.mu.edu/usislands/		
Hannibal, MO: Hannibal Missouri ARC & Western Illinoi Hannibal Missouri ARC, PO Box 1522, Hannibal, MO, 63	3401-1522. ve during National Lighthouse and L	2400Z Aug 5, from the Mark Twain Lighthouse, ARLHS US Lighthouse/Lightship Weekend. Check QST or the web site for the Bicentennial of the State of Ohio. 7.225 7.300 14.225		.270 21.370 28.370. QSL.
14.350. Certificate. De Forest Amateur Radio Club, PO Bo Marshfield, MA: Marshfield Fair, W1M, 0000Z Aug 17 to Burns, 728 Auburn St, Unit I-3, Whitman, MA 02382. Hanover, KS: Crown Amateur Radio Association, KØASA 18.085 18.140. Certificate. Crown Amateur Radio Associa	Sox 73, West Union, OH 45693. To 2400Z Aug 26, during the 134th M SA, 1400-2100Z Aug 26, operating fration, 11551 West 176th Terr, Olathe	Marshfield Fair. 14.190 18.145 21.295 28.450. QSL. Robert F. rom the Hollenberg Pony Express Station Festival. 7.125 14.0 e, KS 66062.		
Pikes Peak, CO: Colorado VHF Group, KØYB, 1500-180 Colorado's 14,000-foot mountains. 147.42 14.260 21.330 For more information on these and other contests and spectowww.arrl.org/contests/months/aug.html THE W4BS ELMER SHACK	28.350.	er event, an Amateur Radio operation from the summits of e ARRL contest page on the internet at:		
Please feel free to contact any of our ELMERS to help you K4TTA (Extra) Tom Richardson 386-6268 k4tta@arrl.net KA4BLL (Gen) Ned Savage 363-9607 nssavage@juno.co ARES/RACES, net control, traffic handling, emergency se KB4LJV (Extra) James Butler 294-2540 (2,7,9,11,13,14)	t (1,3,4,6,8,9,13,14) om (1,5,8,14, MARS, service)	one wishing to be added to the Elmer list please contact Arle	ene at A5GX@aol.com or 385-0995.	
KD4NOQ (Adv) David Campbell 388-6166 kd4noq@june KU4AW (Extra) Ben Troughton 372-8031 bktrough@mer N9ACQ (Extra) Bill Kuechler 368-0532 wkuechl1@mids WA2IQC (Gen) Gary Blinckmann 794-5289 garyblin@mi	no.com (1,2,3,5,9,10,14, slow scan T m.quik.com (2,4,8) south.rr.com (1,8,13)	V, ATV minor)		
WA4MJM (Extra) Bill Hancock 853-7192 billwa4mjm@a WM5Q (Extra) Paul Cline 385-0995 wm5q@arrl.net (7,8, K4DIT (Gen) Ken Gregg 853-7384 k4dit@arrl.net (4,6,8, Codes: 1. Antennas	s,10,14, RF safety, spread spectrum, t	ications, ARES,MARS) trouble shooting, soldering, electromagnetic compatibility, C	FR47 rules/regs.)	
 2. APRS 3. Contesting 4. CW Operating 5. Direction Finding(fox hunting) 6. DXing 7. Experimenting/Circuits/etc. 8HF Phone 9. Packet 10. Repeater Operation 11. QRP 				
12. Satellite 13. RTTY 14. VHF		August 14		
		CLUB MEETING 7365 HWY. 70 BARTLETT, TN MEETING STARTS AT 7.00 DM		
		MEETING STARTS AT 7:00 PM The Month program will about Mid-South Skywarn presented by Tommy, KD4TJO		
Don't forget the manth! \\ 7 \\ 1	Examiner tooti-	& Alex, KE4GYR VE TESTING:	d testing heging promp41- 4 6 66	n. Please rom - '
to bring two forms of identification t	the original and copies ng session after 6:00 p.1	on. Registration begins at 5:30p.m. and of any existing licenses or CSCE's you m., so our volunteer VE team can finish wabs repeater system	ı might have. Please be on time for	registration, as you
		146.82 net 8:00 PM 147.36 tone = 107.2 224.42 1.25 m reptr		
		443.20 patch, 107.2 145.03 packet / bbs (Temporarily off the air) Other Important Contacts		
VE Liaiso Joan Thor 737-5795 joant@me	rne, KN4PM Ben Barth, A Eloise Barth,	AF4TW .com		
Tom Richardson	President	<u>tacox@concentric.net</u>		
Ben Troughton	surerof Trainingof Publicationsof Programs	<u>wcrowley@magibox.net</u> <u>ftbratton@lycos.com</u> <u>k4dit@arrl.net</u> <u>garyb@midsouth.rr.com</u>		

Kathy Troughton......Past President......<u>ktrou@nb.utmem.edu</u>