



**Next JARS
Meetings on
July 1, 1997
Aug. 5, 1997**

At Wareco Training Center on
East Morton Ave.

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JARS Bandspread

J.A.R.S. Inc. Newsletter
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VE Express

Spring / Summer 1997 - No. 1

New Novice & Technician Question Pools... ..with Emphasis on RF Safety!

Effective July 1, 1997, new Novice and Technician question pools (Elements 2 and 3A) will be implemented for use on all future Novice and Technician examinations. These new pools must be used when creating Novice or Technician written examinations to be used on or after July 1, 1997.

These new pools contain the new, separate RF-Safety supplement (supplement 10) implemented as a result of FCC Rules changes implemented on August 6, 1996. This FCC action requires that five additional RF Safety exam questions be added to the Novice, Technician and General class written exams.

This July 1st, Novice and Technician exams must begin including the five additional RF Safety questions, while the five additional General class RF Safety questions will be added on July 1, 1998.

The Novice Exam becomes 35-Questions on July 1st With the addition of the five RF Safety questions, the Novice (Element 2) written test becomes a 35-question test on July 1, 1997. A passing score on the Novice exam becomes 26 questions answered correctly out of 35.

The Technician Exam becomes 30-Questions on July 1st With the addition of the five RF Safety questions, the Technician (Element 3A) written test becomes a 30-question test on July 1, 1997. A passing score on the Technician exam is 22 questions answered correctly out of 30.

Editors Note: If you know of anyone studying to get their amateur radio license, please make sure that they are studying the Novice/Tech (Elements 2 / 3A) that are dated for *after July 1997*.

SB SPACE ARL ARLS017

ARLS017 Seventeen schools on STS-94 SAREX schedule

Thanks to SAREX--the Shuttle Amateur Radio EXperiment--students at 17 schools, including one in the People's Republic of China, are scheduled to talk with the astronauts on the upcoming STS-94 mission aboard the shuttle Columbia. STS-94 is a "refly" of the April STS-83 mission that had to be cut short when a problem developed in one of the shuttle's fuel cells. STS-94 is set to launch on July 1. During the earlier mission, Columbia prematurely returned to Earth April 8 without making any of the scheduled SAREX QSOs. Most of the schools on the earlier schedule remain on tap for the July mission, which will again carry the microgravity science lab. Three hams are among the STS-94 crew members. They are Jim Halsell, KC5RNI, the mission commander; Janice Voss, KC5BTK; and Donald Thomas, KC5FVF.

Under the SAREX program, students at each of the selected schools ask questions of the astronauts during the contact. The primary goal of SAREX is to excite students' interest in learning.

Schools selected by the SAREX Working Group for a ham radio contact during this mission include: Mountain View Elementary School, Prescott Valley, Arizona; Center Street School, El Segundo, California; Ione Junior High School, Jackson, California; Foursquare Radio Amateur Youth, Oxnard, California; Crittenden Middle School, Mountain View, California; Robert J. Burch Elementary School, Tyrone, Georgia; Edgewater High School, Orlando, Florida; Lexington Traditional Magnet School, Lexington, Kentucky; Discovery Place Inc, Charlotte, North Carolina; Lawrence Intermediate School, Lawrenceville, New Jersey; Yeso Elementary School, Artesia, New Mexico; Public School No 9, New York, New York; Du Bois Middle School, Du Bois, Pennsylvania; Dunn's Corners Elementary School, Westerly, Rhode Island; Alvin C. York Agricultural Institute, Jamestown, Tennessee; S.J. Davis Middle School, San Antonio, Texas; and Tsinghua University, Beijing, People's Republic of China.

During most SAREX missions, many of the crew members will make random contacts with earth-bound hams. This crew will use KC5RNI, KC5BTK and KC5FVF on FM voice and W5RRR-1 on packet. They make these contacts during their breaks, before and after meal time, and during their pre-sleep time. In fact, over the past years the astronauts have contacted thousands of amateurs around the world. On many missions, they have even carried a 2-meter packet radio station. Innovative computer software allows the crew to operate the packet gear in an "unattended" mode, allowing amateurs to make contacts with the ROBOT station when the astronauts are working or sleeping.

The SAREX Working Group has designated the following frequencies during this mission. FM voice downlink (worldwide): 145.55 MHz; FM voice uplink (except Europe): 144.91, 144.93, 144.95, 144.97, and 144.99 MHz; FM voice uplink (Europe only): 144.70, 144.75, and 144.80 MHz; FM packet downlink: 145.55 MHz; FM packet uplink: 144.49 MHz.

Hams should avoid transmitting on the shuttle's downlink frequencies. The uplink is your transmitting frequency. The crew will not favor any uplink frequency, so your ability to communicate with SAREX will be the "luck of the draw." Transmit only when the shuttle is within range of your station, and when the shuttle's station is on-the-air.

QSLs go to ARRL EAD, STS-94 QSL, 225 Main St, Newington, CT 06111-1494. Include the following information in your QSL or report: STS-83, date, time in UTC, frequency and mode (FM, voice or packet). You must also include a business-sized SASE.

Additional STS-94 mission information is available from NASA at the NASA Shuttle Web site, <http://shuttle.nasa.gov>.

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SB QST @ ARL \$ARLB033
ARLB033 Volunteers protected

ZCZC AG33
QST de W1AW
ARRL Bulletin 33 ARLB033
From ARRL Headquarters
Newington CT June 24, 1997
To all radio amateurs

SB QST ARL ARLB033
ARLB033 Volunteers protected

Ham radio volunteers stand to benefit from "The Volunteer Protection Act of 1997," signed into law June 18 by President Clinton. The measure aims to provide Federal protection from "frivolous, arbitrary, or capricious" lawsuits filed against individuals affiliated with nonprofit organizations and government entities and acting in their volunteer capacities. This would include members of the Amateur Auxiliary and volunteer examiners, as well as other volunteers.

In general, the new law will exempt a volunteer of a nonprofit organization or governmental entity from liability for harm caused by an act or omission of the volunteer on behalf of such organization or entity if:

The volunteer was acting within the scope of his or her responsibilities at the time.

The volunteer was properly licensed or otherwise authorized for the activities or practice in the State in which the harm occurred.

The harm was not caused by willful or criminal misconduct, gross negligence, reckless misconduct, or a conscious, flagrant indifference to the rights or safety of the individual harmed.

The harm was not caused by the volunteer operating a motor vehicle, vessel, aircraft, or other vehicle for which the State requires the operator or owner to possess an operator's license or maintain insurance.

The law, known as Public Law 105-19, becomes effective September 16, 1997.

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July 1, 1997 Meeting

At the July meeting we will have a second vote to amend the by-laws of the JARS to state that "At meetings, twelve (12) of the voting membership shall constitute a quorum for the transaction of business. The Executive Committee shall conduct business by two-thirds (2/3) vote in an emergency meeting." instead of "At meetings, one-third (1/3) of the voting membership shall constitute a quorum for the transaction of business". This move has been prompted by recent expansion in membership to persons unable to attend every meeting and a drop in attendance at regular monthly meetings.

Along the same lines.... at the last monthly meeting we did not have enough (1/3 voting membership) in attendance to hold the election. This is a rather small detail in retrospect, for *all the past officers were (railroaded) nominated for another term in office. :)*

KB9FBI

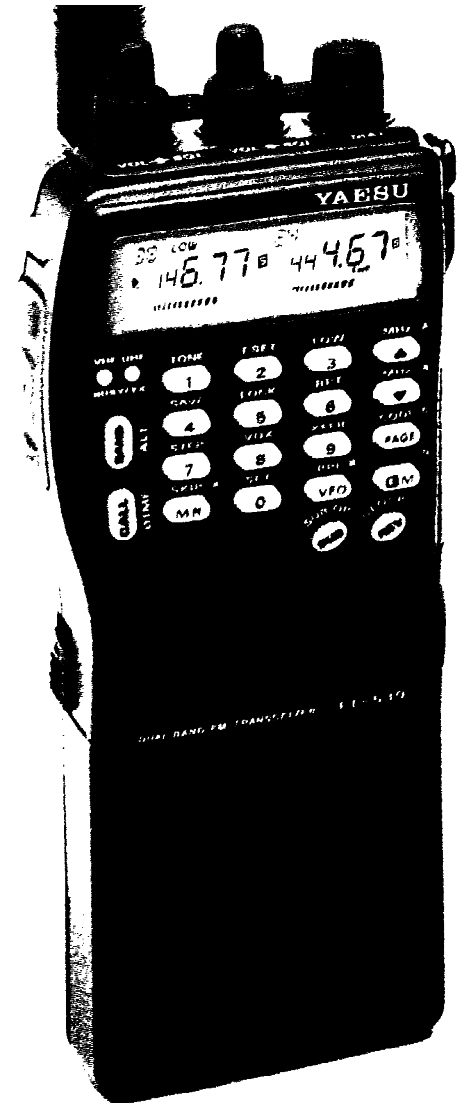
MIR Accident

On the morning of June 25, 1997 there was an accident on the MIR space station when a remote controlled vehicle failed to hit the dock correctly and crashed into some solar panels and then hit and poked a postage stamp size hole in one of the modules. American Astronaut Mike Foale, KB5UAC is onboard the MIR along with 2 Russian Cosmonauts. It is not known at this time if the Astronauts/Cosmonauts will have to come down and leave the space station unoccupied. The depressurized compartment has been sealed off but the are running under limited power due to the damaged solar panels and this will surely keep any amateur operations from taking place. Just a week ago it was reported that the SAFEX (uplink - 435.750 downlink - 437.950 141.3Hz pl) FM repeater was back in operation on MIR, but I would highly doubt it is still running now.

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VHF/UHF NETS

146.775....(103.5).....Jacksonville.....Sat.....9:00PM
147.060+.....Macomb.....Sun...8:00PM
146.715....(103.5).....Beardstown.....Sun...8:30PM
146.805....(94.8).....Athens.....Sun...9:00PM
147.075+.....Peoria.....Sun...8:30PM
147.210+.....Galesburg.....Sun...9:00PM
147.285+.(103.5).....Canton.....Sun...1:15PM
145.130.....Godfrey.....Mon..7:00PM Madison Co. ARES
145.230.....Godfrey.....Mon..8:00PM LCRC
146.610....(103.5).....Topeka.....Mon..7:00PM
146.820.....Hillsboro.....Mon..8:30PM
147.285+.(103.5).....Canton.....Tues..8:15PM..races/Weather
146.850.....Peoria.....Tues..8:00PM
444.200+.....Peoria.....Tues..8:00PM
146.760.....Peoria.....Tues..8:30PM
145.190.....Eolia,Mo.....Tues..9:00PM/146.700 Perry,Mo.
444.725+.(103.5).....Canton.....Wed..7:00PM..races/Weather
146.030....(103.5).....Quincy.....Wed..7:00PM Adams Co. ARES
145.470.....Alton.....Wed..7:30PM
145.190.....Eolia,Mo.....Thur.7:30PM
147.315+.....Springfield.....Thur.8:00PM.&.220/444.750
146.955 (79.7).....Taylorville.....Thur..9:00PM
147.255+.....Mexico,Mo.....Thur..9:00PM
147.300+.....Keokuk,Ia.....Thur..9:00PM
147.345+.....Lincoln.....Fri....7:00PM



Thanks to W9FIF