

# ***WAWA News Letter***

Waterville Area Wireless Association  
November 1997

Box 1646  
Waterville Me, 04903

**Tune in to WAWA Wednesday Night Net at 7:30 on 146.76.**

**The next meeting of the Waterville Area Wireless Association is scheduled for Saturday November 1, 1997 at 9:00 am at the Winslow Recreation Room in back of the Winslow Public Safety Building.**

## **October 1997 Club Meeting Notes**

The October meeting of the Waterville Area Wireless Association was called to order on Oct. 11, 1997 at 9:03 am at the Winslow Recreation Center.

### **Newsletter**

Ron (N1NPJ) Once again congratulated William (N1RCV) on the outstanding job he has been doing with the newsletter. The August issue was the most spectacular one ever issued. The photo's of this summers field day were quite impressive and the club would like to see photo's from future events publicized in such an impressive manor.

### **QSL Cards**

Mike (KB1AWS) delivered a stack of 50 QSL bearing the club's callsign and a representation of the 2 cent bridge between Waterville and Winslow. Mike did an outstanding job with the graphics work and has produced a very impressive QSL card for the club. Mike (N1NAF) will be using these cards to respond to HAMS who have sent us cards from this summers activities.

### **PREAMBLE**

Mike (KB1AWS) also distributed the latest version of the preamble for the club's Wednesday night net. The copies were distributed on hard copy and on computer disk. NOTE: This disk also contained a copy of the club's new QSL card in WORD format.

### **EXAM**

The club will be assisting with the November 7<sup>th</sup> exam. This is scheduled for a Friday evening and is expected to start at 6:00 PM. The exam coordinator is Don (AE1Q) and news of the exam has been distributed to the State Bulletin Manager and several NETS.

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# WA1WA

## Waterville Area Wireless Association

P.O. Box 1646  
Waterville, Maine 04903

remains of 2 cord bridge connecting Waterville and Winslow, Maine  
The last existing tall foot bridge in the U.S.

OPERATING QSO WITH	DATE	MONTH	YEAR	UTC	MHZ	RST	MODE
<input type="checkbox"/> 2-14-97							
<input type="checkbox"/> PSE QSL <input type="checkbox"/> TNX QSL				GRID SQUARE FN64 <input type="checkbox"/> Kennebec County <input type="checkbox"/> Somerset County			

**WA1WA QSL Card by Mike (KB1AWS)**

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### **Jamboree On The Air (JOTA)**

Saturday the 18<sup>th</sup> is the annual Jamboree on the air. JOTA is an annual event in which Boy and Girl Scouts and Guides from all over the world speak to each other by means of Amateur (ham) Radio. Scouting experiences are exchanged and ideas are shared via radio.

With no restrictions on age or on the number of participants, JOTA allows Scouts to contact each other by ham radio. As always, only licensed operators may use the Amateur Bands, so the majority of contacts are made by club stations and participating individual hams who have opened up their shacks to the local Scouts.

The Waterville Area Wireless Association is planning on participating in

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### 1997 Maine Ham Test/Events

The following shows ham exams, hamfests (LOCATIONS IN CAPS) and other events of interest to the ham community for 1997.

NOTE: Times are for exams; No Time - No Known Exam. Most hamfests open at 8:00 a.m. Most, but not all hamfests offer exams.

Date	Time	Place
Tuesday	6:30p	Dixfield, Dirigo High School (Rt. 142) N1TN/ARRL Rick LaBrecque 562-8979 Dixfield
Saturday	9:00a	Bucksport, Public Safety Bldg. N1NGM/ W5YI Norman Veillette 565-3634 Eastbrook
Saturday	9:00a	Bangor, Davis Community Center K1AG/ ARRL Bill Sullivan 947-4051 Bangor
Saturday	9:00a	Portland, PATHS, 196 Allen Avenue NX1A/ARRL, Barnie 856-6192
Friday	6:30p	Winslow, Winslow Elementary School AE1Q/ARRL Don Smith 293-2935 Belgrade
Friday	6:30p	Alfred, Fire Station AA1CZ/ARRL Al Noble Jr. 324-1718 Sanford
Monday	6:00p	Lewiston, High School N1GZB/W5YI Brad Saunders 966-3653 Hebron

#### **Please note that these are tentative dates only**

Contact the listed VE team leader before traveling to verify location, time, current fee and exams being offered. Listen to Amateur Radio net for bulletins and updates. Walk-Ins are usually welcome. Examinees must have 2 forms of positive identification. Licensed amateurs trying to upgrade must have in their possession the original license and any original certificates of completion and a clear photo copy of each. Contact the VE team leader in advance if special exam facilities are required or proposed.

## ARRL Bulletins

### **ARLB063: FCC issues new Form 610**

QST de W1AW

From ARRL Headquarters

Newington CT October 24, 1997

To all radio amateurs

The FCC has announced that as of January 1, 1998, Amateur Radio applicants may only submit FCC Forms 610, 610 A and 610B that carry an edition date of September 1997. After the first of the new year, previous editions of Form 610 will not be accepted for filing by the FCC or by Volunteer Examiner Coordinators (VECs). Amateurs may begin using the

*ARRL Bullentins (Continued on page 5)*

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this event and expects to run WA1WA for the local Scouting troops this Saturday at the field behind the Winslow Elementary School. Setup time will be mid Saturday morning with the station running from noon through mid afternoon. If the weather cooperates, the club may even lunch an experimental balloon antenna.

Mike (KB1AWS) will be the clubs primary contact with the local Scouts and will be looking into ways the club can assist Scouts who want to work on radio related requirements.

### **Secretaries Report**

After covering expenses for the newsletter and the cost for the Recreation room, the club has \$75.47 remaining in the banking account.

Items for next months meeting:

- 1) A review of club offices that will be expiring soon and plans for holding elections to fill them.
- 2) Time to send out Renewal notices.

If you have articles or personnel's you would like printed in the newsletter, please send them to William N1RCV by email @ hathaway@kassociates.com or by regular mail to:

WAWA NEWSLETTER  
PO BOX 1646  
WATERVILLE, ME 04903-1646

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new Form 610s now.

The major change on the new form is a certification that says the applicant has "read and will comply with Section 97.13(c) of the Commission's Rules" regarding RF radiation safety and the amateur service section of OST/OET Bulletin No 65, Evaluating Compliance with FCC-Specified Guidelines for Human Exposure to Radio Frequency Electromagnetic Fields.

But, Amateur Radio Supplement B of Bulletin 65, which has additional information on how to conduct a routine RF safety evaluation and explains other aspects of RF safety, is still in the draft stages and not yet available to the ham radio community. ARRL Executive Vice President David Sumner, K1ZZ, said it's essential that the FCC make Supplement B available in time for hams to complete their evaluations to meet the deadlines in the rules.

ARRL Lab Supervisor Ed Hare, W1RFI, who's been involved in reviewing the draft supplement, said he expects the FCC to release it sometime in November. "Above all, it is important that the required station evaluation be as easy as possible for hams," he said. "The FCC has pretty much met that goal. Additionally, most hams, by virtue of their power levels, will not need to do an evaluation at all."

Section 97.13(c) says that before you transmit "from any place where the operation of the station could cause human exposure to RF electromagnetic field levels in excess of those allowed," you have to perform a routine RF environmental evaluation if your transmitter PEP exceeds these limits: 160-40 meters, 500 W; 30 meters, 425 W; 20 meters, 225 W; 17 meters, 125 W; 15 meters, 100 W; 12 meters, 75 W; 10 meters, 50 W; VHF (all bands), 50 W; 70 cm, 70 W; 33 cm 150 W; 23 cm, 200 W, 13 cm 250 W, SHF/EHF (all bands) 250 W. If the routine environmental evaluation indicates that the RF electromagnetic fields could exceed the maximum permissible exposure limits, you must take action to prevent human exposure.

The new Forms 610 may be obtained from the FCC' Web site via the Internet at <http://www.fcc.gov/formpage.html>, at <ftp://ftp.fcc.gov/pub/Forms/> or by fax at 202-418-0177 (request index, or for Form 610 use form code 000610, for Form 610A use form code 006101, for Form 610B use form code 006102). The FCC Forms Distribution Center will accept FCC forms orders at 800-418-3676.

ARRL VEs and VE teams will be able to obtain a supply of the new Forms

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610 in late November.

Individual amateurs may obtain a copy of the new Form 610 by sending a self-addressed, stamped envelope (SASE) to: ARRL/VEC, 225 Main St, Newington CT 06111. Include 32 cents postage for each Form 610 requested.

**ARLB062: WRC-97 Opens October 27**

QST de W1AW

From ARRL Headquarters

Newington CT October 17, 1997

To all radio amateurs

Four items of prime interest to Amateur Radio will be on the agenda when the World Radiocommunication Conference 97 (WRC-97) opens October 27 in Geneva, Switzerland. ARRL Technical Relations Manager Paul Rinaldo, W4RI, is a member of the US delegation to the conference. Others attending include IARU representatives Larry Price, W4RA, Wojciech Nietyksza, SP5FM, and Michael Owen, VK3KI. Representing Canadian amateurs on his nation's delegation will be Jim Dean, VE3IQ, of Radio Amateurs of Canada (RAC).

WRC-97 delegates will discuss the so-called "Little LEO" issue during the monthlong session. While the Little LEO industry's preliminary proposals to share 2 meters, 1-1/4 meters and 70 cm generated quite a stir in the amateur community last year, current US proposals do not include any plans for sharing of amateur frequencies. Also of interest to hams is the specter of increased interference on some amateur UHF allocations from Earth Exploration Satellites (EES), used for mapping by synthetic aperture radars (SARs) that are expected to be mostly active in the Southern hemisphere. Amateur radio delegates will make known the needs of our service. WRC-97 will be asked to consider allocating the band 430-440 MHz to EES and upgrading the status of EES at 1240-1300 MHz.

Wind profiler radar systems operating near 50, 449 and 1000 MHz also bear watching because of the potential for interference to Amateur Radio. These systems are used by weather forecasters to look at wind patterns in the higher atmosphere.

WRC-97 delegates also will set the agenda for WRC-99, where the potential exists to establish a worldwide 40-meter allocation. The current

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US concept calls for a "harmonized" band at 6900 to 7200 kHz that would be available to hams around the globe. This would mean hams would shift down by 100 kHz while broadcasters moved 100 kHz up the band. Yet to be determined is how fixed services would be handled in the realignment. The IARU is committed to the goal of a 300-kHz worldwide exclusive allocation for 40 meters. Right now, only 7000 to 7100 kHz is available in Regions 1 and 3, where broadcasters dominate the upper 200 kHz of the band.

WRC-97 is scheduled to conclude November 21.

**ARLB058: FCC announces electronic renewal Form 900**

QST de W1AW

ARRL Bulletin 58 ARLB058

From ARRL Headquarters

Newington CT October 3, 1997

To all radio amateurs

Hams now can renew their licenses on line. The FCC's Wireless Telecommunications Bureau (WTB) has consolidated eight renewal forms into one form. Form 900, Application for Electronic Renewal of Wireless Radio Services Authorizations, is an interim measure to permit all WTB licensees, including hams, to renew their licenses electronically.

This form is only for renewals, not for license modifications. You can only enter changes (eq, name, address) using Form 900 as a part of the process of renewing your license. You can only use Form 900 if the expiration date on your license falls within the renewal window (within 120 days of expiration). You cannot use Form 900 to renew an expired license. Form 900 may only be submitted electronically. No Form 900 paper applications will be accepted. When filing Form 900, you will be required to enter a Social Security Number for a taxpayer ID number.

Access Form 900 on the WTB Electronic Commerce page, <http://www.fcc.gov/wtb/electcom.html> (click on Production Page for Electronic Commerce Applications to access the Form 900). Click on any item number for filing instructions. Once you have filed the form, clicking on Electronics Renewal Query lets you view or print the information submitted.

Once you have successfully submitted Form 900, it is important to click on

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the Continue button to obtain the fee information pertaining to your filing. The screen will prompt you with a Fee Remittance Advice, Form 159. The form will indicate that there is no charge to renew an Amateur Radio license (except for vanity call sign holders, who won't have to renew for several more years).

Form 900 updates will be batch processed at night. They are not instantaneous.

Send comments about the FCC Form 900 to [sreed@fcc.gov](mailto:sreed@fcc.gov) For technical assistance, call the FCC Technical Support Group at 202-414-1250. Other general information may be obtained from the FCC's National Call Center at 888-225-5322 (CALL-FCC).

**ARLB060: State Department applies for US CEPT participation**

QST de W1AW  
ARRL Bulletin 60 ARLB060  
From ARRL Headquarters  
Newington CT October 10 1997  
To all radio amateurs

The State Department has applied for US participation in the European Conference of Postal and Telecommunications Administrations (CEPT) Amateur Radio Licensing system. The move, September 22, could eventually make it easier for US hams to operate temporarily in European countries that participate in CEPT. Holders of a CEPT license could operate in CEPT-participating countries without having to apply for a reciprocal license.

“No doubt there will be some give and take between the European Radiocommunications Office (ERO) and the Department of State over the details before the US is accepted as a participant, but an important milestone has been reached,” said ARRL Executive Vice President David Sumner, K1ZZ. The application consists of a four-page letter with voluminous attachments. Last year, the FCC had asked the State Department to apply for participation in the CEPT Agreement as a non-CEPT country.

The action follows in the wake of an earlier suggestion by the ARRL to the FCC that the US take advantage of the CEPT Recommendation T/R 61-01 arrangements and issue a CEPT license that would be recognized by other participating administrations and valid for visits.

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Last fall, the FCC proposed amending the Amateur Radio rules to make it easier for hams holding a CEPT license or an international Amateur Radio Permit (IARP) to operate during short visits to the US.

**ARLS030: NASA gives KCVPF the green light for MIR stay**

QST de W1AW

From ARRL Headquarters

Newington, CT September 25, 1997

To all radio amateurs

Ham radio aboard Mir will continue at least for another four months. US astronaut David Wolf, KC5VPF, will get to replace his colleague Mike Foale, KB5UAC, aboard the Russian space station. Under intense political pressure to consider discontinuing the presence of US astronauts aboard the ailing and ageing space station, NASA Administrator Dan Goldin gave the okay September 25 for Wolf's Mir stay. Approval came only hours before the shuttle Atlantis was to be launched from Cape Canaveral on mission STS—86 and a rendezvous with Mir. Wolf will continue the permanent US presence on the station that began in 1996 with Shannon Lucid.

Goldin cited separate scientific reviews of the situation aboard Mir in his decision to deliver Wolf to Mir as originally planned. "We move forward not only because it is safe, but for the important scientific and human experience we can gain only from Mir," Goldin said. He added that, as NASA looks toward next June's launch of the first element of the International Space Station, "nothing can beat the hands-on real-time training aboard Mir."

Early this year, a fire broke out aboard Mir. The spacecraft also has had various mechanical problems, including malfunctions of its oxygen-generating and carbon dioxide scrubbing systems. In late June, a collision with an unmanned Progress supply rocket during a docking maneuver damaged the spacecraft's Spektr module and disrupted scientific research. Among subsequent problems, Mir has suffered from repeated computer system failures, including a failure earlier this week. The Atlantis is to carry a new computer to Mir.

Wolf, 41, is both an electrical engineer and a medical doctor. A native of Indianapolis, Wolf is single. He has been an astronaut since 1990 and served as a mission specialist aboard the shuttle Columbia in late 1993.

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Meanwhile, astronaut Andy Thomas is scheduled to replace Wolf aboard Mir in January. Thomas just received his Amateur Radio call sign. He's KD5CHF, which he says stands for "Cosmonauts Having Fun." He will take the place of Wendy Lawrence, KC5KIL, in the Mir rotation.

**ARLS033: Sputnik model launch update**

QST de W1AW

From ARRL Headquarters

Newington, CT October 17, 1997

To all radio amateurs

New information indicates that the launch of a working model Sputnik 1 from the Russian Mir space station won't take place until early November. According to information received today from Sergei Sambourov, chief of the cosmonaut Amateur Radio department for Russia's Energia space agency, the Sputnik 1 model will be launched November 3 during a space walk, although he cautioned that schedule could change. The model Sputnik, assembled by students in Russia and equipped with a 2-meter transmitter by students in France, now is aboard Mir. It was carried to the space station last week by a Progress supply rocket. The program sponsors initially intended to have the working Sputnik model launched from Mir on October, the 40<sup>th</sup> anniversary of the original Sputnik 1 satellite.

The Sputnik-40 as it's called, reportedly will be hand-released by the Mir crew during the space walk. Latest information indicates the mini-satellite will transmit a "beep-beep" signal on 145.82 MHz (FM) from its 200-mW onboard transmitter. The batteries are expected to last a month or tow. A QSL card will be available for those who receive the signal.

For additional details and photos see

<http://www.oceanes.fr/~fr5fc/spoutnik.html>

Waterville Area Wireless Association  
P.O. Box 1646, Waterville ME 04903  
E-mail: RONMAN@MINT.NET

Application for Membership

1. Call Sign: \_\_\_\_\_

Class: \_\_\_\_\_

2. Name: \_\_\_\_\_

3. Address: \_\_\_\_\_

\_\_\_\_\_

4. Please Circle Bands and Modes Which You Operate

1.2G	440	220	144	50	28	24
21	18	14	10	7	3.5	1.8
SSB	CW	AM	FM	RTTY	PACKET	TV

5. Mail this application and annual dues of \$10 per individual or \$15 per family to:

Waterville Area Wireless Association  
P.O. Box 1646, Waterville, ME 04903

If you have any questions please call Ron on the 146.76 MHz Waterville Repeater or by phone at 873-2071. Meetings are held the first Saturday of each month at the Winslow Recreation Hall behind the Fire Station on Benton Ave. in Winslow. If the first Saturday is a holiday weekend, the meeting may be postponed a week. Check before traveling in poor weather.

WAWA also holds an on-the-air meeting at 7:30 every Wednesday night on the 146.76 MHz repeater. Hope to hear you in there.

73s WAWA

WAWA Newsletter  
PO Box 1646  
Waterville ME 04936

Call Sign  
First Name Last Name  
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