Ham Radio License Manual and Tech Q&A – Errata and Corrections

The following material supports or corrects the following publications:

HRLM 4th edition – First Printing
Tech Q&A 7th edition – First Printing

Determine the version of the manual you are using by referring to the first page of the preface inside your copy. Look for the text box with the copyright information where you'll also find the edition and printing information. (If the edition number is not followed by printing information, the book is the first printing.) The ARRL wishes to thank readers who sent feedback about errors.

New items added in this version of the document are in red.

The current question pool for the Technician Class license took effect on July 1, 2018.

Question Pool Changes

None

SUPPLEMENTAL INFORMATION

Ham Radio License Manual

Page 6-24 – The exam's correct answer for question T8B02 (B) indicates that blocking access by other users is the effect of using higher-than-necessary transmit power. The text addresses the answer by noting the satellite's relay (downlink) transmitter solar and battery power is limited. The link is weak between the correct answer and the book's discussion. The original question was written when available power on the satellite and received signal strength for any particular user were closely linked. Those satellites used transponders that received a band segment on the uplink band, converted it to the downlink band, and re-transmitted it. Since the downlink transmitter only had so much power available, loud signals often suppressed the others. Power limiting technology called "LEILA" (amsat-uk.org/tag/phase-4a) was developed in response. In addition, many current satellites are basically FM repeaters with no link between uplink and downlink signal strength - you either capture the repeater's receiver or you don't – and output power is fixed. The decision was made to give reasoning that was correct but at the sacrifice of a clear link to the question's required answer.

Tech Q&A

T8B02 – See item for Page 6-24 above.

ERRATA

Ham Radio License Manual

Page 3-7 – the example for question T5C11 should read:

$I = P / E$ = 120 W / 12 V = 10 A

Tech Q&A

T5C11 – the solution should read:

$I = P / E$ = 120 W / 12 V = 10 A