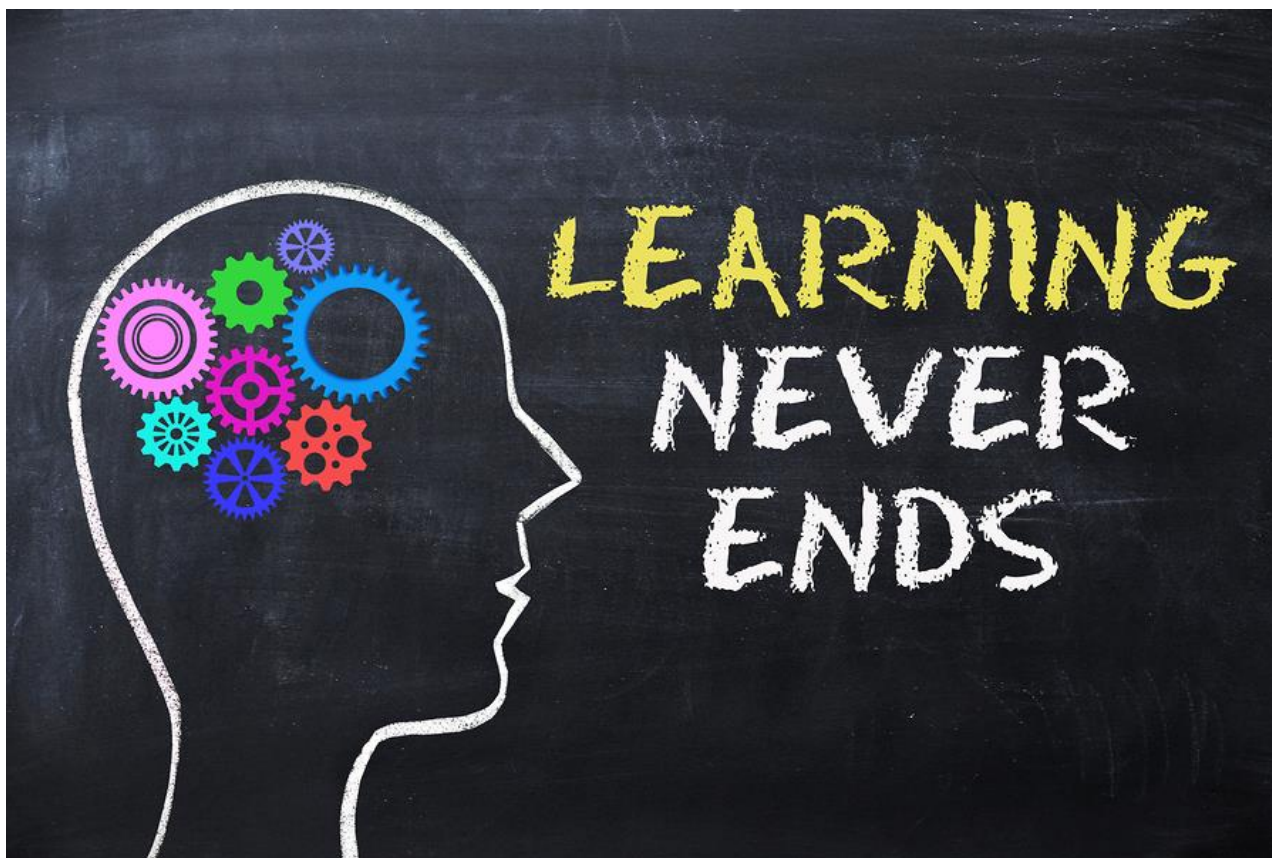


Lifelong Learning





Lifelong Learning

About Me

Kris Bickell

ARRL Lifelong Learning Manager

- Started @ HQ in April 2018
- Licensed in June 2018, K1BIC

Higher Ed & eLearning Background

- Albertus Magnus College
- Post University
- University of Bridgeport



Lifelong Learning

Current ARRL Programs

Online Courses

- **EC-001:** Introduction to Emergency Communication
- **EC-016:** Public Service and Emergency Communications Management
- **PR-101:** ARRL Public Relations

ETP Programs

- **Teachers Institute:** Three 1-week sessions @ HQ and DARA
- **Grants:** School Station & Progress
- **ARISS:** Loaner station



Lifelong Learning

Education & Technology Program (ETP)

We continue to support the following educational activities:

- **Teachers Institute:**

ARRL's Teachers Institute provides STEM/STEAM teachers with the tools & strategies to introduce basic electronics, the science of radio, space technology and satellite communications (TI-1 basic workshop), as well as weather science, introduction to micro-controllers and basic robotics (TI-2 advanced workshop) into their classrooms.





Lifelong Learning

Education & Technology Program (ETP)

We continue to support the following educational activities:

- **ETP Grants:**

ETP School Station Grants are awarded to schools that provide a plan to use Amateur Radio as part of an enrichment program and/or as part of in classroom learning.

ETP Progress Grants offer modest support to those teachers who are currently using Amateur Radio in their classrooms as an instructional tool and who need additional resources for specific purposes, or for teachers who need resources to get started instructing wireless technology and electronics topics as part of a longer range plan to involve Amateur Radio.





Lifelong Learning

Education & Technology Program (ETP)

We continue to support the following educational activities:

- **ARISS:**

ARRL supports ARISS (Amateur Radio on the International Space Station) by providing information and resources to help schools or educational groups work with ARISS to host a contact with an astronaut on the International Space Station.



ARISS
Amateur Radio on the International Space Station



Lifelong Learning

Why Lifelong Learning?



Why Lifelong Learning?

Allow users to learn

- any time...
- anywhere...



Why E-learning is The Most Preferred Choice of Many Organizations

- 1. FLEXIBILITY IN TERMS OF TIME AND SPACE**
E-learning courses can be taken anywhere and anytime, and it can be used to overcome barriers such as availability of time and space. It allows the employees to access courses at their convenience.
- 2. EASY TO UPDATE TEACHING MATERIAL**
In many organizations, when the training material needs to be updated, it has to be reprinted. This is expensive and involves a lot of effort. With eLearning, this problem can be eliminated because content can be updated anytime and published again.
- 3. COST EFFECTIVE**
Developing an eLearning course that fits the training needs of the employees can be more cost effective because it caters to specific training needs. With measurable learning objectives, the training options can be focused and aligned with the business goals.
- 4. SELF-PACED LEARNING**
Spending long hours in classrooms may not be possible for all the learners. But in case of eLearning, the learners have the freedom to take courses whenever they want and draw convenient learning schedules.



Lifelong Learning

Why Lifelong Learning?

Reason for getting involved.

- Emergency support (48%)
- Fun hobby (47%)
- Personal communications (38%)
- Expand interest in electronics, comms & tech (30%)



Lifelong Learning

Why Lifelong Learning?

How to get them active.

- A more active local radio club (27%)
- Help from a mentor or “Elmer” (32%)
- Other hams who share my interests (36%)
- **Help with how to get started on the air (44%)**
- Contact with a ham radio store or equipment dealer (28%)



Lifelong Learning

Why Lifelong Learning?

Changes in how people are learning.

“My name is Ronnie. I’m 70 years young, after giving up SCUBA diving, I decided I needed a hobby, and Radio Ham interests me. I had just purchased the ARRL Technician License manual. It would be helpful for me if someone can answer a few questions.”

“Well Ronnie, at 68 years young this is how I did it. I started with the ARRL manual which was a great read and a good start. I then paid a few bucks for the Ham Test course **on the net**. After taking that course I was passing sample tests online at a rate of 100%. I studied for about a week and passed on the first try. **I also found an app that generated tests on my phone** and I pulled that out a lot when I had some free time. That app helped me to feel very confident when I started seeing the actual questions on the test. ”



Lifelong Learning

About the Lifelong Learning Project

The Lifelong Learning program was established to provide a range of education and training opportunities to amateur radio operators.


- **Objective:** To develop an **amateur radio learning center** that offers a variety of instructional topics, initially focusing on new licensees seeking help getting started
- **Plan:** ARRL is working in collaboration with Mintz+Hoke, a full-service marketing agency in Avon CT, to build a robust, modern web presence and to develop a promotion plan to effectively reach the target audience

MINTZ+H**KE**



Lifelong Learning

New Learning Center (sample)


**ARRL Learning Center**

Login

Join Now

Free Guest Access

[Learning Paths](#) [Courses](#) [Community](#) [About](#)



Discover how to make Amateur Radio your own.

The ARRL Learning Center provides you with instruction and training from experienced members of our community, to help you get the most out of your license.

- **Get active:** Learn from a comprehensive collection of classes, resource guides and video tutorials.
- **Get involved:** Increase your knowledge across a variety of topics to expand your participation.
- **Get on the air:** Develop your skills at your own pace, focusing on the areas that interest you the most.

Join Now

Get Free Guest Access

What do you want to do with Amateur Radio?



Lifelong Learning

Learning Center Tracks

Choose your own adventure.

ARRL Learning Center organizes its course content around learning paths, making it easy to navigate and explore the field. Select the path that interests you most to get started.

Emergency Communications

Discover how you can use Amateur Radio to serve your community, such as during emergency situations and community events.

[View path](#)

Personal Communications

Get started with the fundamentals of Amateur Radio and learn how to connect with people across the globe.

[View path](#)

Electronics and Technology

Explore some of the more advanced and technical aspects of Amateur Radio, such as building your own rigs and antennas.

[View path](#)



Lifelong Learning

Learning Center Sub-Categories

Emergency Communications

- Community Service
- Disaster Readiness

Personal Communications

- Communicate Near & Far
- 21st Century Radio
- Get Licensed
- Personal Safety
- Having Fun

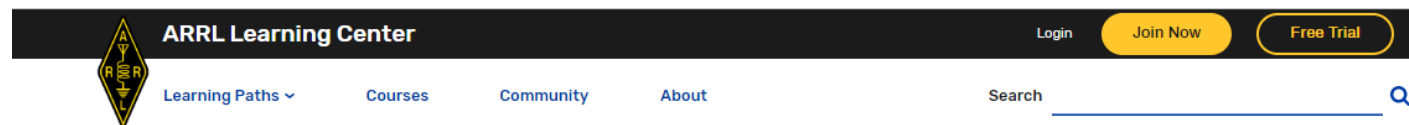
Electronics and Technology

- How Radio Works
- Electronics & Technology
- Build



Lifelong Learning

Learning Center Courses



Courses for every interest and level.

The Learning Center's extensive course offerings will help you increase your knowledge, skills, and ability to enjoy Amateur Radio your way.

To find courses of interest, use the drop down menu to sort by topic. You can also search for courses directly.

Browse...

Search in courses...

Sort by Newest

Intro to Amateur Radio Comm

Personal Communications

Introduction to Amateur Radio communications

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Aenean euismod bibendum laoreet. Proin gravida dolor sit amet lacus accumsan et viverra justo commodo.

How to Make a Radio Contact

Personal Communications

How to Make a Radio Contact

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Aenean euismod bibendum laoreet. Proin gravida dolor sit amet lacus accumsan et viverra justo commodo.

Choose a Radio & Build a Station

Personal Communications

How to Choose a Radio and Set up Your First Station

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Intro to Radio for Emergencies

Emergency Communications

Introduction to Radio for Disasters and Emergencies

Intro to Emergency Communications

Emergency Communications

EC-001 Introduction to Emergency Communications

Emergency Communications Mgmt.

Emergency Communications

EC-016 Public Service and Emergency Communications Management for Radio Amateurs




Lifelong Learning

Sample Course


LLL 101 - Intro to Lifelong Learning


Welcome to the ARRL Learning Center...
where learning never ends!





Here are just a few of the topics you can find here:


- Emergency Communications
- Personal Communications
- Electronics & Technology


 **Tutorial**
Presentation: 0 min 55 sec


 **Section 1 - Learning Content**
Section: 2 Presentations 1 Link 1 Document 1 Assignment


 **Course Orientation**
Presentation: 4 slides

 **ARRL home page**
Link: ARRL page

 **Discussion - What is the best way to learn?**
Link: Continue...

 **Self Check**
Assessment: 3 questions Unlimited retakes on fail

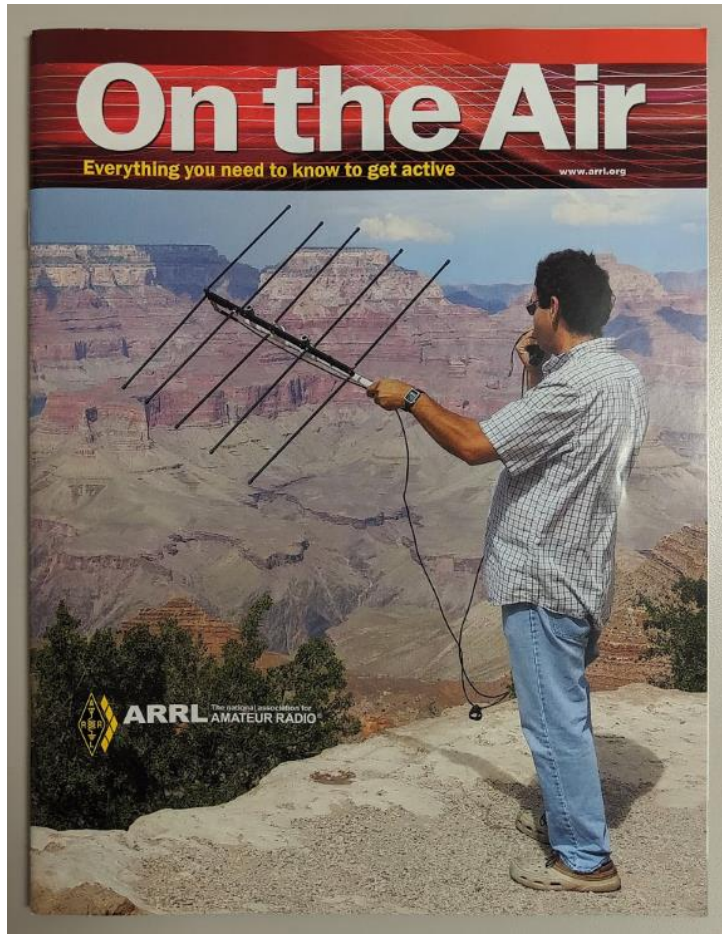
 **End of Course Survey**
Survey: 3 questions

 **Course Completion Certificate**
Certificate: 0/7 Course items completed



Lifelong Learning

Other Learning-Related Initiatives



On the Air magazine

- Coming mid-January 2020
<http://www.arrl.org/on-the-air-magazine>
- If you would like to receive ***On the Air*** magazine, click on the link below to learn all about the benefits of an ARRL membership:
<http://www.arrl.org/membership>



Lifelong Learning

Questions?

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Lifelong Learning Manager

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- Phone: 860-594-0277
- Online: <http://www.arrl.org/lifelong-learning>