

Ham Radio License Class

Sponsoring Organizations:

H.P.S.T.

Hampton Public-Service Team
and

S.P.A.R.K.

Southern Peninsula Amateur Radio Klub

The classes and the Exam will be held at:

The Red Cross,
1323 W. Pembroke Ave.
Hampton, VA 23661-1123

Amateur Radio (Technician) Classes start at 9:00 AM and last about 4 hours on 6 Saturdays in Sept & Oct. The first class is 9:00 AM on Sept 14, 2019. The (final) class is 9:00 AM on Oct. 19, 2019. The exam (open to public) is 10:00 AM, Oct 26, 2019.

The Class and the License are free. The Exam fee is \$15.00, cash or check. The Manual is about \$30.

What you need to bring:

- ARRL Ham Radio License Manual (4th). Available from ARRL.net \$29.95 or Amazon.com \$26.96 or Spiral Bound for \$32.95.
- Notepad
- Pen / Pencil
- Drinks and snacks, Bag Lunch (Optional)
- Scientific Calculator (Trig functions). A non-programmable calculator is required for the exam.

For additional Information:

visit:
<http://w4hpt.net> or Contact:
Robert Uiterwyk W3AF
Phone: (570) 401-9852
Email: w3af@arrl.net

KE4UP 145.49 (-) MHz, Tone: 100

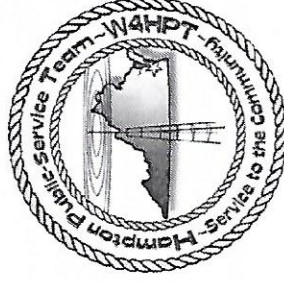
Place
Stamp

W4QR
SPARK
SOUTHERN
PENINSULA
AMATEUR
RADIO KLUB
811 Burton
St
Hampton,
VA 23666

Hampton
, VA
23666

W4HPT
HPST
Hampton
Public - Service
Team

W4QR
SPARK
Southern Peninsula
Amateur Radio Klub



Present
The

Ham Radio License Class



AT THE
RED CROSS BUILDING
1323 W. Pembroke Ave.
HAMPTON, VA

Starting
September 14, 2019

This class will cover everything you need to know to pass the exam.

This class will prepare you for passing the exam that will earn you a Federal Communications Commission (FCC) Amateur Radio License. Our team will be able to clearly explain the course material to you. We have a great team of Elmers who break down each chapter in a practical, tangible way. The classes are fast paced, but allow plenty of time for questions and answers.



It helps to read the chapters *before* the class. You will complete the course understanding what you need to know to be a Technician Class Operator and prepared to take the exam. A few days, up to a couple of weeks, after you pass the exam you will be assigned a Call Sign by the FCC. Once you are assigned this call sign you may transmit on the Technician Class Frequencies.

About us

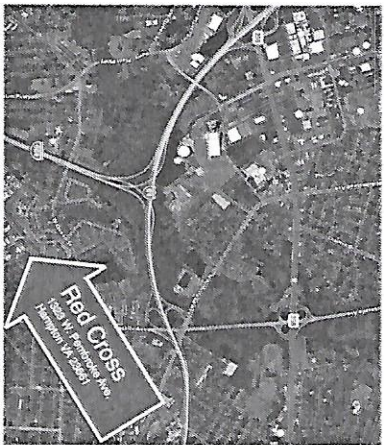
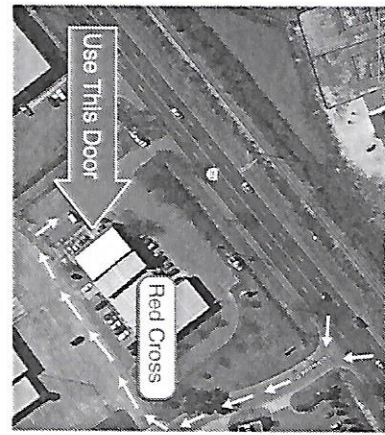
HPST and SPARK

Most of our members belong to both organizations. Our members are a group of FCC licensed Amateur Radio operators who volunteer their skills, equipment, and time to assist the City of Hampton, and the Southern Virginia Peninsula. We'd enjoy the opportunity to help you get familiar with our organizations and the services we provide. Many of our members participate in the HPST Net at 7:15 PM every Monday Night on the KE4UP Repeater, 145.490 Tone 100.

W4HPT, HPST, (HAMPTON PUBLIC-SERVICE TEAM) currently meets 8:00 AM the last Saturday of every month at Golden Corral, 1123 W. Mercury Blvd, Hampton, VA 23666. At some point it will be moving to the New Elk's Club location.

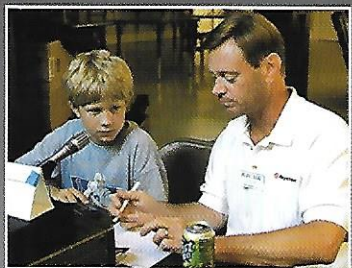
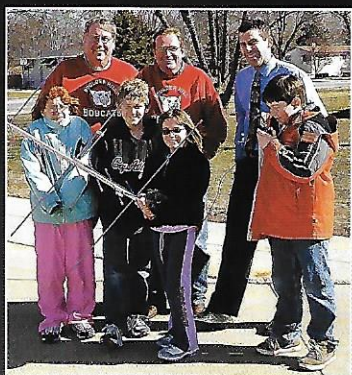
On the Web: <http://www.w4hpl.hamptonva.net>

W4QR, SPARK, (Southern Peninsula Amateur Radio Klub) meets 7:30 PM the first Tuesday of every month at the Salvation Army, 1033 Big Bethel Road, Hampton VA. On the Web: <http://www.w4qr.org/index.html>



Course Outline

DATE	INSTRUCTOR	STUDY CHAPTER	CHAPTER TITLE	SECTIONS TO STUDY	THINGS TO LEARN
09-14	KC4F	Chapter 1	Welcome to Amateur Radio	Read pages 1-1 to 1-12	Always come to class prepared There is no such thing as a dumb question
09-14	W3AF	Chapter 2	Radio & Signals Fundamentals	Read pages 2-1 to 2-13	Radio Signals & Waves Modulation Radio Equipment Basics
09-21	W3AF W4QTV	Chapter 3	Electricity, Components & Circuits	Read pages 3-1 to 3-19	Electricity Components & Units Types of Radios & Radio Circuits
09-28	W3AF	Chapter 4	Propagation, Antennas & Feed Lines	Read pages 4-1 to 4-18	Propagation Antenna Fundamentals Feed Lines & SWR Practical Antenna Systems
10-05	K14MZ	Chapter 5	Amateur Radio Equipment	Read pages 5-1 to 5-24	Transmitters & Receivers Digital Communications Power Supplies & Batteries RF Grounding
10-12	KC4F	Chapter 6	Communications With Other Hams	Read pages 6-1 to 6-33	Contact Basics Band Plans Making Contacts Using Repeaters Nets Emergency Communications Special Activities, Modes, and Techniques
10-05	KC4F	Chapter 7	Licensing Regulations	Read pages 7-1 to 7-21	Licensing Laws Working With the FCC Bands & Privileges International Rules Call Signs
10-19	W3AF	Chapter 8	Operating Regulations	Read pages 8-1 to 8-13	Control Operators Identification Interference Third Party Communications Remote & Automatic Operations Prohibited Transmissions
10-19	AA4AY	Chapter 9	Safety	Read pages 9-1 to 9-14	Electrical Safety RF Exposure Mechanical Safety



Connect to Wireless Excitement with Ham Radio

Amateur Radio is a worldwide network of people

united by a common interest in wireless communications. There are nearly 700,000 licensed Amateur Radio operators in the United States and nearly three million people around the world who call themselves "hams."

The most powerful and versatile communication service available to the private citizen anywhere on Earth—or even above it, is the Amateur Radio Service. The various activities available will surprise you. Some people have a basic interest in radio; others focus on the technology and the science of radio. Competitive events, contests and award programs attract others. And Amateur Radio operators provide vital emergency and public service communications.

"Amateur Radio is all about Magic! It's magic to talk to a complete stranger on the other side of the world, to watch the eyes of a child light up when they talk to an astronaut on the International Space Station, to see the relief in a mother's face because the Amateur Radio operators at the county fair found her lost child, to see the excitement on the face of my son after getting his license and making his first contact. And who said magic isn't real?"

Kevin O'Dell, NØIRW
Ardmore, Oklahoma

Getting Started

In the United States, the Federal Communications Commission grants Amateur Radio licenses. Thousands of people from all walks of life earn their licenses each year by passing a basic exam. The 35-question, multiple choice exam covers:

- basic electricity and safety
- rules and regulations to operate your radio

As a Technician class licensee, you will have privileges on many exclusive Amateur Radio frequencies. These privileges include voice, digital and television modes or communicating through various satellites carrying Amateur Radio. Morse code is not required for a Technician class license.

Advocacy

Membership

Public Service

Education

Technology

Are you ready to begin?

See the back of this flyer for all you need to become an Amateur Radio Operator. Or got to www.arrrl.org for more information.

ARRL The national association for **AMATEUR RADIO®**
225 Main St. • Newington, CT 06111-1494



Call toll-Free: 1-888-277-5289 (US) ■ Join Online: www.arrrl.org/join

The ARRL Ham Radio License Manual

All You Need to Become an
Amateur Radio Operator!

Third Edition

- Easy-to-understand "bite-sized" sections. Pass the 35-question Technician Class Exam.
- All the Exam Questions with Answer Key, for use July 1, 2014 to June 30, 2018.
- NEW! Use with ARRL's Online Exam Review for Ham Radio.
- Designed for self-study and classroom use. Intended for all newcomers, instructors, and schoolteachers.

Take the next step to go wireless with **HAM RADIO** today!

The ARRL Ham Radio License Manual All You Need to Become an Amateur Radio Operator

- Designed for self-study and for classroom use.
- Easy-to-understand "bite-sized" sections.
- Contains the entire Technician Class question pool — so you will be ready to pass the exam.
- NEW! Use with ARRL's online Exam Review for Ham Radio.
- NEW! Convenient Spiral Bound Edition lies flat.

**Ace
Your
Test!**

The ARRL Ham Radio License Manual

All You Need to Become an
Amateur Radio Operator!

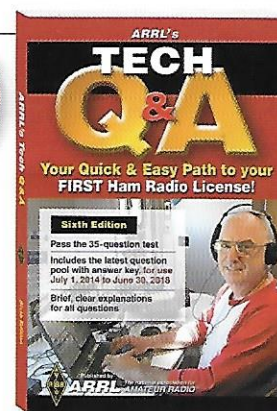
- Easy-to-understand "bite-sized" sections. Pass the 35-question Technician Class Exam.
- All the Exam Questions with Answer Key, for use through June 30, 2018.
- NEW! Use with ARRL's Online Exam Review for Ham Radio.
- Designed for self-study and classroom use. Intended for all newcomers, instructors, and schoolteachers.

ARRL's Tech Q&A

Your Quick & Easy Path to
your FIRST Ham Radio License

- Contains the latest question pool with answer key.
- Brief explanations follow each question for a more focused approach to studying.
- The best way to review the exam with confidence.

**Quick
Study!**



NEW! Online Review and Practice Exams

As you study, use ARRL's online Exam Review for Ham Radio to help prepare you for exam day. This web-based service uses the question pool to construct chapter-by-chapter reviews. Take practice exams over and over with the same number and variety of questions that you'll encounter on exam day. To get started visit www.arrl.org/examreview today.

**No Surprises
on Exam Day!**

Order Online: www.arrl.org/shop

Shipping Address:

Name _____ Call _____
Address _____ Apt # _____
City _____ State _____ ZIP _____
Email _____

Method of Payment:

☐ Check/Money order payable to ARRL \$ _____
(must be in US funds drawn on a US bank)

☐ MasterCard ☐ Visa ☐ Discover ☐ American Express

Credit Card Number: _____

MM/YY Expiration _____ / _____

Your Signature _____

Daytime Phone _____

Email _____

- ☐ The ARRL Ham Radio License Manual (0222)\$29.95
- ☐ The ARRL Ham Radio License Manual Spiral Bound (0475)\$32.95
- ☐ ARRL's Tech Q&A (0178)\$17.95

Order Value	US	International Economy 2-4 weeks delivery
Up to \$20.00	\$7.50	\$25.00
\$20.01 to \$50.00	\$10.50	\$35.00
\$50.01 to \$250.00	\$12.50	\$45.00

Shipping and Handling Rates:
Add the following amounts to your order to cover shipping and handling (S/H). US orders will be shipped via a ground delivery method. Orders outside of the US will be shipped via an international delivery service. Express delivery options are available. Please call, write or email for more information.

Sales Tax: CT add 6.35% state sales tax (including S/H). VA add 6% sales tax (excluding S/H). Canadian residents add 5% GST (excluding S/H).



ARRL The national association for
AMATEUR RADIO®
225 Main Street • Newington, CT 06111-1494

Save time—order by credit card: Toll-free: **1-888-277-5289** Mon-Fri, 8 AM to 5 PM ET www.arrl.org/shop

TINS