

Bryant (inaudible) .. going to take the code.

Male
Voices Yes.

(inaudible voices)

Crane Come on in, Debbie.

(inaudible voices)

Crane Does anyone want a sandwich? Because I'm going to throw them away, if not.

Debbie
Purvin Do I have to take the Novice?

Bryant No.

Crane Do you want to take these home? Anybody want to feed this to their dog?

CRANE
BRYANT
CRANE
Bryant

*I DON'T HAVE NO DOG
OKAY*
I don't want to ... (inaudible)

Crane Okay.

Pascal And do we do a Novice first?

(unintelligible voices)

McElwain What is she going to do with the kids?

CRANE!

(inaudible voices)
YOU MADE IT, SEE?

Bryant Okay, now the young lady that wants to know if she needs to take Novice code.

Crane That's Chris right there.

Debbie
Purvin No.

McElwain Yeah I'm only taking Novice.

Bryant Why wouldn't you have to take Novice code?

Pascal She's going straight to General.

Crane ... right to General.

Pascal She -- and she can do that, Mike. She can go straight to General
Crane (unintelligible)
Bryant Is that because of the new license?
Crane No.
Pascal No. You don't have -- You can take a Novice theory and Extra
Class ...
Bryant Code
Pascal (Continues) ... code. You do not have to go.
Bryant Okay, but you want Novice Code?
McElwain Yes. I would never do any more.
Bryant ... (inaudible) ... Do you just want me to explain before we start
again?
Crane Do you want to be right here in front of this? You don't have to
be over there.
McElwain No, it doesn't matter. One place is going to be as bad as the
other.
Crane Don't say that.
McElwain One place will be as good as the other.
Crane Good.
Bryant I appreciate it.
Pascal Okay, everybody quiet. Let's get ...
Crane Yeah, we don't want any noise for this.
Bryant Do you know what's at the beginning of this?
Pascal It just says Novice. There's no voice...
(unintelligible) ... Tom said that (cut off by
Sandra V. Crane)
Crane Wait a minute, in that packet you should read ... (inaudible) ...
piece of paper.

Voices of
unknown
identity

(inaudible)

Bryant

Okay, what--this is for both of them, actually
... (inaudible)... It's gonna go--you guys
can move, remove all the other papers. Just what
-- just the one you're gonna use.

McElwain

Okay.

Bryant

Everything else should be on the floor. Nothing
should be in front of you. Absolutely nothing.

McElwain

Not even my 510?

Crane

Hey, you guys can use this five words a minute
as a warm-up.

Bryant

Yeah. You want to take five words a minute for a
warmup on the back of the sheet or a second sheet
of paper, a yellow sheet of paper. It's fine. I get
everybody? Yes.

Bryant

Now, for the--for your Novice test, the only thing that
you'll hear is the word "Novice" in CW and six V's and
it goes right into the test.

Pascal

I don't think it has six V's. No, it doesn't.
(unintelligible)

Bryant

Yes, Six V's

Pascal

No, it doesn't.

Bryant

Okay, it says Novice tape... (unintelligible)...
and after the first QSO, there is the word "Novice"
and the code and then you go to six V's and after
the first QSO and another QSO, then after that
you have a... (unintelligible)

Crane

I think that's for the General, but I...
(cut off by Pascal)

Pascal

That's for the General.

Crane

He said that there was random code.

Pascal

Cause it's... (unintelligible)

Crane Check your copy.

Pascal There's no V's. You'll check it out. Just go Novice, then it starts. That's what Tom was saying to me. But go ahead and just play it and it will be all right. You guys just copy what you hear. Okay, go ahead, Mike.

Crane No, it doesn't have six V's

Pascal No.

McElwain Okay.

Male
Voice (inaudible)

Crane This is the Novice.

Unknown
Voice Okay.

Pascal Best thing to do is just play it and--and when it'll stop, Uh, I'll put up my hand when I think it's stopped.

Crane Well, somebody's got to copy. Maybe I should

Bryant Is everybody ready?

Pascal Let's go for it, Chris.

Bryant I'm going to start it and stop it rather quickly.

McElwain Okay

Bryant And let me know if you're hearing it okay. Okay?

Pascal Let's do that for Novice, okay?

(Code Test Begins)

Before the
FEDERAL COMMUNICATIONS COMMISSION
Washington, D.C. 20554

In the Matter of)
)
Revocation of License of)
)
SANDRA V. CRANE)
Amateur Radio Station)
N8TFO)

PR Docket No. 92-119

and)
)
Suspension of License of)
)
SANDRA V. CRANE)
Amateur Extra Class)
Radio Operator License)

and)
)
Revocation of License of)
)
CHARLES F. PASCAL)
Amateur Radio Station)
W8CIX)

and)
)
Suspension of License of)
)
CHARLES F. PASCAL)
Amateur Extra Class)
Radio Operator License)

SECOND SUPPLEMENTARY DECLARATION OF CHRISTINE F. MOLLWAIN

I, Christine F. Mollwain, under penalty of perjury, depose and state as follows:

1. The third sentence in paragraph 1a of my August 27, 1992, affidavit is corrected to read: The comparison indicated that my notes and a hand-out I'd been given contained the information needed to answer approximately 41.6% of

the questions contained in the question pool for element 2 and 33.84 of the questions contained in the question pool for element 3A.

2. In attachments 4 and 11 to my affidavit (copies of pertinent pages attached) I provided legends explaining the meaning of my markings on those attachments. As the legends indicate, the page numbers shown next to the questions indicate on what page of my notes the information needed to answer the question is found. NO1, NO2 and NO3 indicate the number of the hand-out in which the information needed to answer to the adjacent question is found. The circles around question numbers indicate that the information needed to answer those questions is not found in my notes or in hand-outs 1, 2 or 3. "Q" followed by a number indicates that the adjacent question was part of the examination I took and had the indicated number on that examination.

I declare under penalty of perjury that the foregoing is true and correct.

Executed on December 4 1992.

Christine F. McElwain
 Christine F. McElwain

Element 3A Question Pool —With Answers

— DON'T START HERE —

This chapter contains the complete question pool for the Element 3A exam. Element 3A is part of the Technician exam. To earn a Technician license, you must also pass the Element 2 exam (Chapter 12). The Technician license does not require a code test.

Before you read the questions and answers printed in this chapter, be sure to read the text in the previous chapters. Use these questions as review exercises, when the text tells you to study them. Don't try to memorize all the questions and answers.

HOW MANY QUESTIONS?

The FCC specifies that an Element 3A exam must include 25 questions, and also specifies that a certain number of questions from each subelement must appear on the exam. The number of questions to be selected from each section is printed at the beginning of each subelement, and is summarized in Table 13-1.

**Table 13-1
Technician Exam Content**

Subelement	3AA	3AB	3AC	3AD	3AE	3AF	3AG	3AH	3AI
Number of Questions	5	3	3	4	2	2	1	2	3

WHO PICKS THE QUESTIONS?

The FCC allows Volunteer-Examiner teams to select the questions that will be used on amateur exams. If your test is coordinated by the ARRL/VEC, however, your test will be prepared by the VEC. The questions with multiple-choice answers and distractors (incorrect answers) printed here were released by the Volunteer Examiner Coordinator's Question Pool Committee for use until further notice. Most VECs have agreed to use these multiple-choice answers and distractors. If your test is coordinated by the ARRL/VEC or one of the other VECs using these multiple-choice answers, they will appear on your exam exactly as they are printed here. Some VECs may use the questions printed here with different answers and/or distractors; check with the VEC coordinating your test session.

PAGE REFERENCES

We have listed page references along with the answers in the answer key section of this chapter. These page numbers indicate where you will find the text discussion related to each question. If you have any problems with a question, refer to the page listed for that question. You may have to study beyond the listed page numbers.

Good luck with your studies.

Withdrawn Questions

FCC Rules changes sometimes make it necessary to withdraw certain questions from the pool. Withdrawn questions are noted in the following pages.

- Pg # indicates Pg # in my notes where subject was discussed
- (#) indicates no review of material
- O# indicates Q # on test
- HO# - refers to Handout

sources page of my notes
matter was discussed
Subelement 2A—Rules and Regulations (10 Questions)

indicates no review of material

0 57-91
Q # indicates # on test

One question must be from the following:

- 2A-1.1 Pg 10 What are the five principles that express the fundamental purpose for which the amateur service rules are designed?
- A. Recognition of emergency communications, advancement of the radio art, improvement of communication and technical skills, increase in the number of trained radio operators and electronics experts, and the enhancement of international goodwill
 - B. Recognition of business communications, advancement of the radio art, improvement of communication and business skills, increase in the number of trained radio operators and electronics experts, and the enhancement of international goodwill
 - C. Recognition of emergency communications, preservation of the earliest radio techniques, improvement of communication and technical skills, maintain a pool of people familiar with early tube-type equipment, and the enhancement of international goodwill
 - D. Recognition of emergency communications, advancement of the radio art, improvement of communication and technical skills, increase in the number of trained radio operators and electronics experts, and the enhancement of a sense of patriotism

- 2A-1.4 Page 2, 10 Q2 on test The amateur service rules were designed to provide a radio communications service that meets five fundamental purposes. What are those principles?
- A. Recognition of business communications, advancement of the radio art, improvement of communication and business skills, increase in the number of trained radio operators and electronics experts, and the enhancement of international goodwill
 - B. Recognition of emergency communications, advancement of the radio art, improvement of communication and technical skills, increase in the number of trained radio operators and electronics experts, and the enhancement of international goodwill
 - C. Recognition of emergency communications, preservation of the earliest radio techniques, improvement of communication and technical skills, maintain a pool of people familiar with early tube-type equipment, and the enhancement of international goodwill
 - D. Recognition of emergency communications, advancement of the radio art, improvement of communication and technical skills, increase in the number of trained radio operators and electronics experts, and the enhancement of a sense of patriotism

- 2A-1.2 Pg 10 Which of the following is *not* one of the basic principles for which the *amateur service* rules are designed?
- A. Providing emergency communications
 - B. Improvement of communication and technical skills
 - C. Advancement of the radio art
 - D. Enhancement of a sense of patriotism and nationalism

- 2A-2.1 Pg 9 What is the definition of the *amateur service*?
- A. A private radio service used for personal gain and public benefit
 - B. A public radio service used for public service communications
 - C. A radio communication service for the purpose of self-training, intercommunication and technical investigations
 - D. A private radio service intended for the furtherance of commercial radio interests

- 2A-1.3 Pg 10 The amateur service rules were designed to provide a radio communications service that meets five fundamental purposes. Which of the following is *not* one of those principles?
- A. Improvement of communication and technical skills
 - B. Enhancement of international goodwill
 - C. Increase the number of trained radio operators and electronics experts
 - D. Preserving the history of radio communications

- 2A-2.2 Pg 9 What name is given to the radio communication service that is designed for self-training, intercommunication, and technical investigation?
- A. The amateur service
 - B. The Citizen's Radio Service
 - C. The Experimenter's Radio Service
 - D. The Maritime Radio Service

- 2A-3.1 Pg 9 What document contains the specific rules and regulations governing the amateur service in the United States?
- A. Part 97 of title 47 CFR (Code of Federal Regulations)
 - B. The Communications Act of 1934 (as amended)
 - C. The Radio Amateur's Handbook
 - D. The minutes of the International Telecommunication Union meetings

- 2A-3.2 Pg 13 Which one of the following topics is *not* addressed in the rules and regulations of the amateur service?
- A. Station operation standards
 - B. Technical standards
 - C. Providing emergency communications
 - D. Station construction standards

- Pg # indicates page # of my notes where subject is discussed
- # indicates no review of material
- Q # indicates # on test



Element 3A Question Pool

—With Answers

— DON'T START HERE —

This chapter contains the complete question pool for the Element 3A exam. Element 3A is part of the Technician exam. To earn a Technician license, you must also pass the Element 2 exam (Chapter 12). The Technician license does not require a code test.

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HOW MANY QUESTIONS?

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- Q# indicates Q# on test
- HD # refers to handout