

A decorative background featuring a light blue to green gradient. Overlaid on this are stylized circuit board traces in a light blue color, consisting of vertical and horizontal lines with small circles at the ends, resembling a PCB layout. The traces are most dense on the left side and become sparser towards the right.

HAM RADIO 2.0 – SCIENCE, SERVICE, SKILL

WARD SILVER, NØAX

HAMSCI WORKSHOP

MARCH 2019 – CASE WESTERN UNIVERSITY

The image features a light green to yellow gradient background. In the four corners, there are decorative elements resembling circuit board traces, consisting of thin blue lines and small circles. The central text is in a bold, black, sans-serif font.

NO SUBLIMINAL CONTENT

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3rd Edition

Ham Radio

for
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Learn about ham radio
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—
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support in times of emergency

—
Prepare for and pass the
new licensing exam

H. Ward Silver

ARRL Handbook Editor and
CQ Contest Hall of Fame Member

The image features a light green gradient background with decorative blue circuit-like lines in the corners. These lines consist of straight segments and small circles, resembling a stylized electronic circuit board. The lines are positioned in the top-left, top-right, bottom-left, and bottom-right corners, framing the central text.

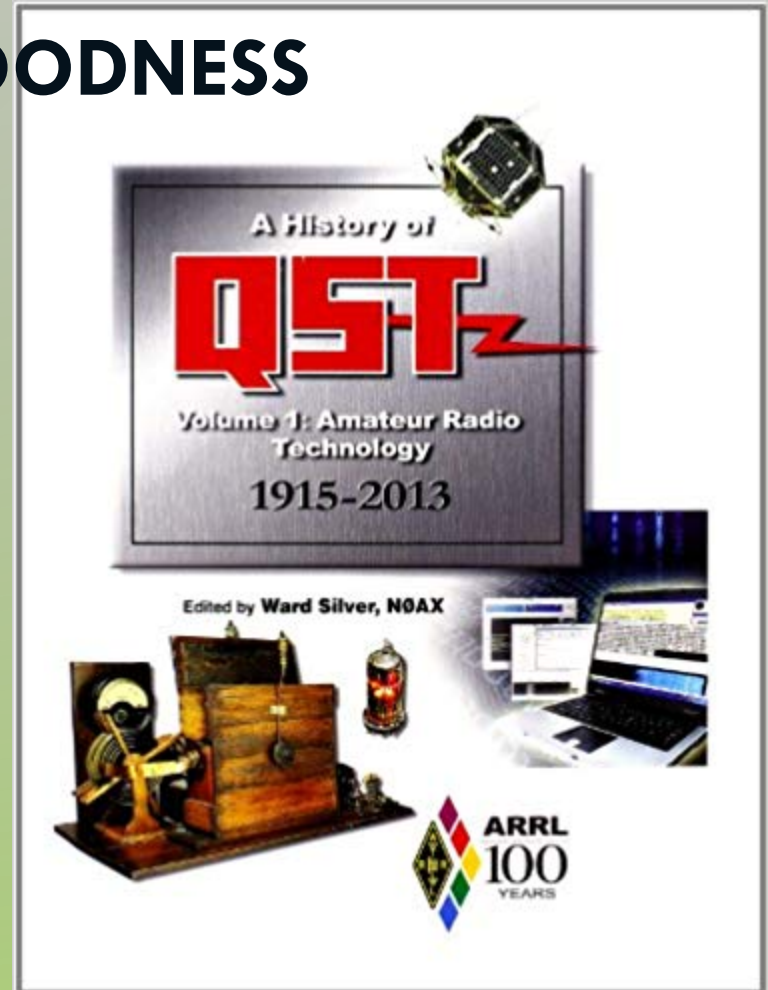
NO SUBLIMINAL CONTENT

The background features a light green-to-white gradient. In the four corners, there are stylized circuit board traces in a light blue color, consisting of lines and small circles representing components or nodes.

GOLDEN AGE OF HAM RADIO

HAM RADIO 1.0

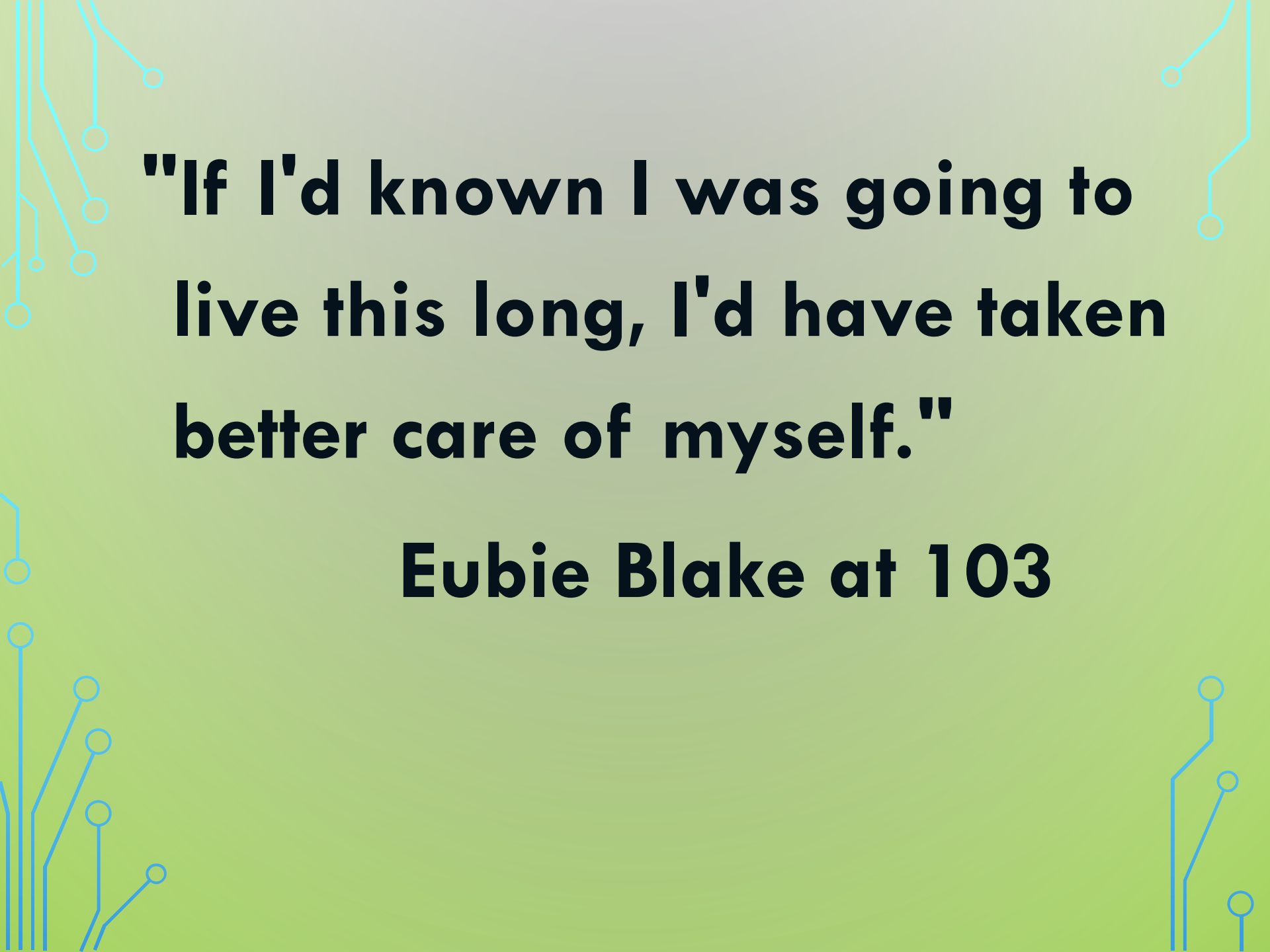
100 YEARS OF RADIO GOODNESS







Not really...

The background is a light green gradient. In the corners, there are decorative elements consisting of light blue lines that resemble circuit traces or a stylized network, with small circles at the end of the lines.

**"If I'd known I was going to
live this long, I'd have taken
better care of myself."**

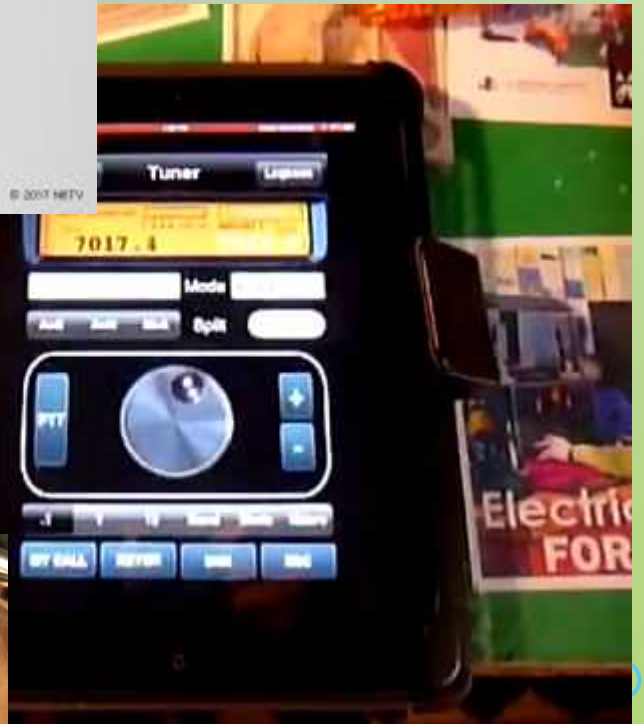
Eubie Blake at 103

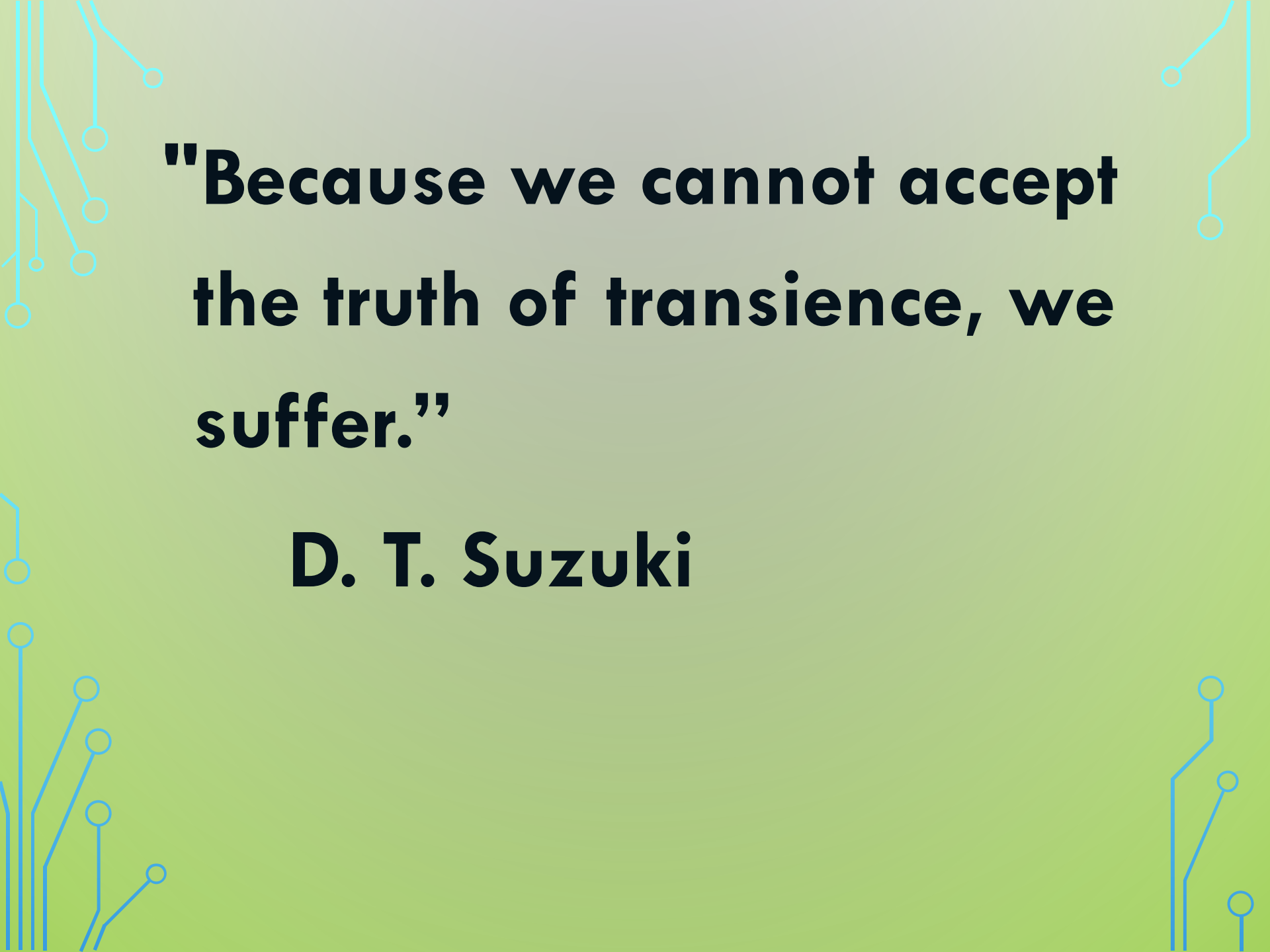
The background features a light green-to-white gradient. In the four corners, there are decorative circuit-like patterns consisting of thin blue lines and small circles, resembling a PCB layout.

HAM RADIO 2.0

THE BIG PIVOT

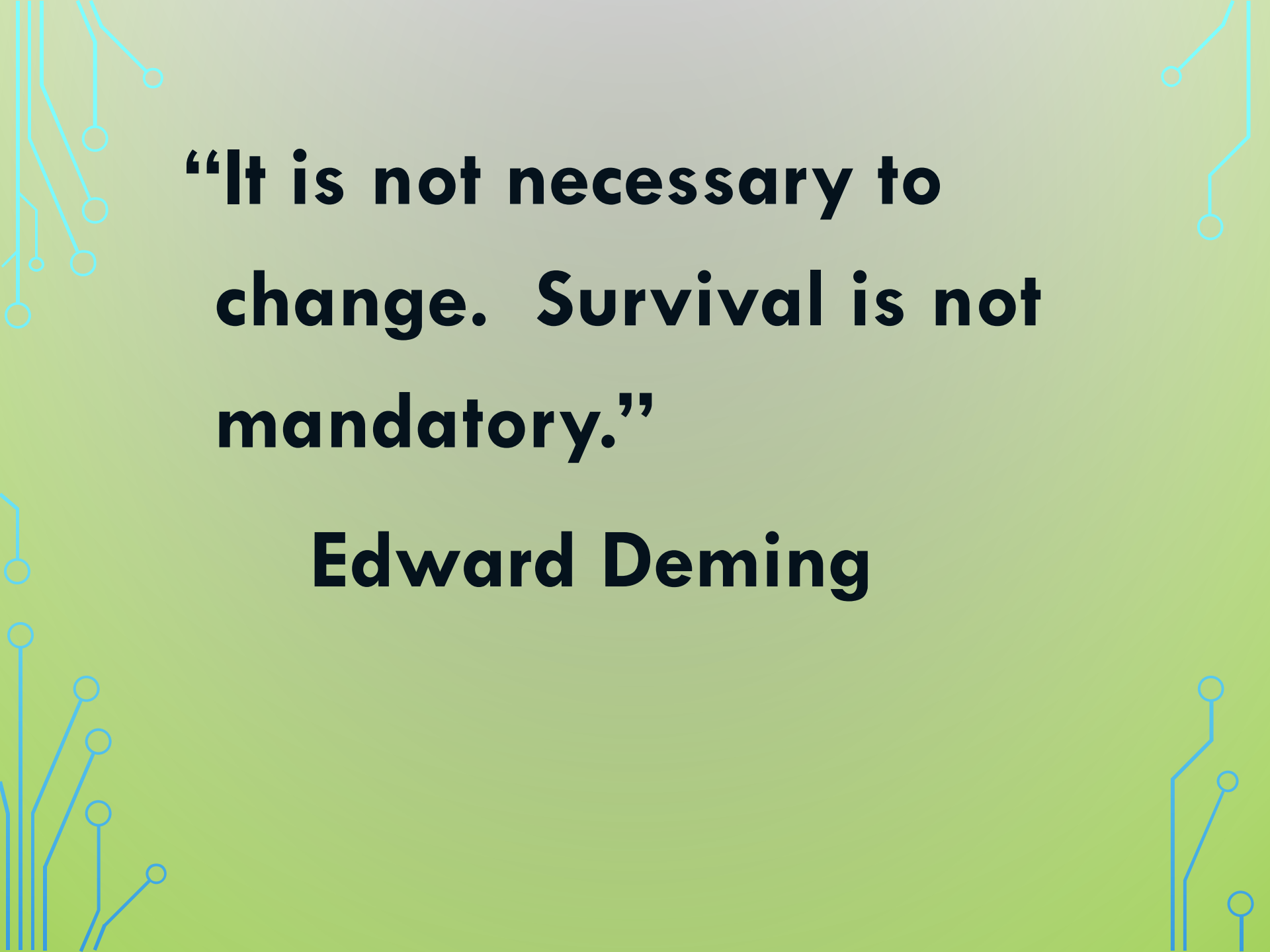




The background features a light green-to-white gradient. In the corners, there are decorative circuit-like patterns consisting of thin blue lines and small circles, resembling a stylized PCB or network diagram.

**"Because we cannot accept
the truth of transience, we
suffer."**

D. T. Suzuki

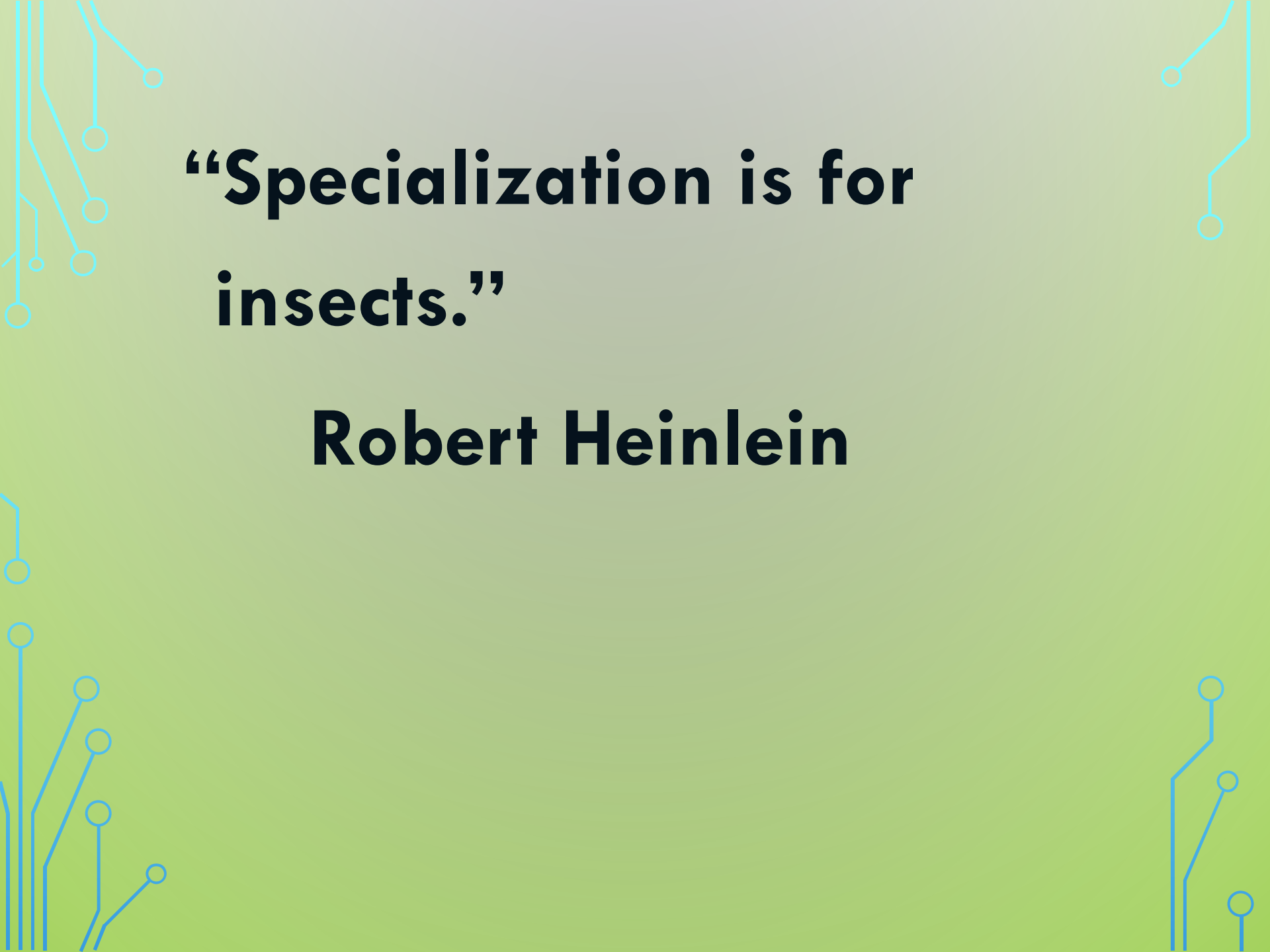
The background features a light green-to-white gradient. In the corners, there are decorative circuit-like patterns consisting of thin blue lines and small circles, resembling a network or data flow diagram.

**“It is not necessary to
change. Survival is not
mandatory.”**

Edward Deming

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SCIENCE, SERVICE, SKILL

The background is a light green gradient. In the corners, there are decorative elements consisting of light blue lines that resemble circuit traces or neural connections, ending in small circles.

**“Specialization is for
insects.”**

Robert Heinlein

The image features a light green gradient background with decorative circuit-like lines in the corners. These lines are composed of thin blue lines with small circles at the end, resembling a stylized circuit board or network diagram. The lines are positioned in the top-left, top-right, bottom-left, and bottom-right corners, framing the central text.

**CHALLENGES ARE
OPPORTUNITIES**

The background features a light green-to-white gradient. In the corners, there are decorative elements consisting of light blue lines that resemble circuit traces or fiber optic paths, ending in small circles.

THE GOOD ARROW

THE GOOD ARROW

- **Understand radio's physical environment**
- **Improve efficiency, accuracy, and breadth of expertise**
- **Encourage technical learning about communication**
- **Develop new radio services and techniques**
- **Create new opportunities for building and innovation**
- **Build a worldwide community of hams**

The background is a light green gradient. In the corners, there are decorative elements consisting of light blue lines that resemble circuit traces or data paths, ending in small circles.

**OPPORTUNITIES ARE
OBLIGATIONS**

OH! HUMANITY
BY JETHKINS

Decoded!
Resistor
of the
Ancients



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CARI

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HAMSCI



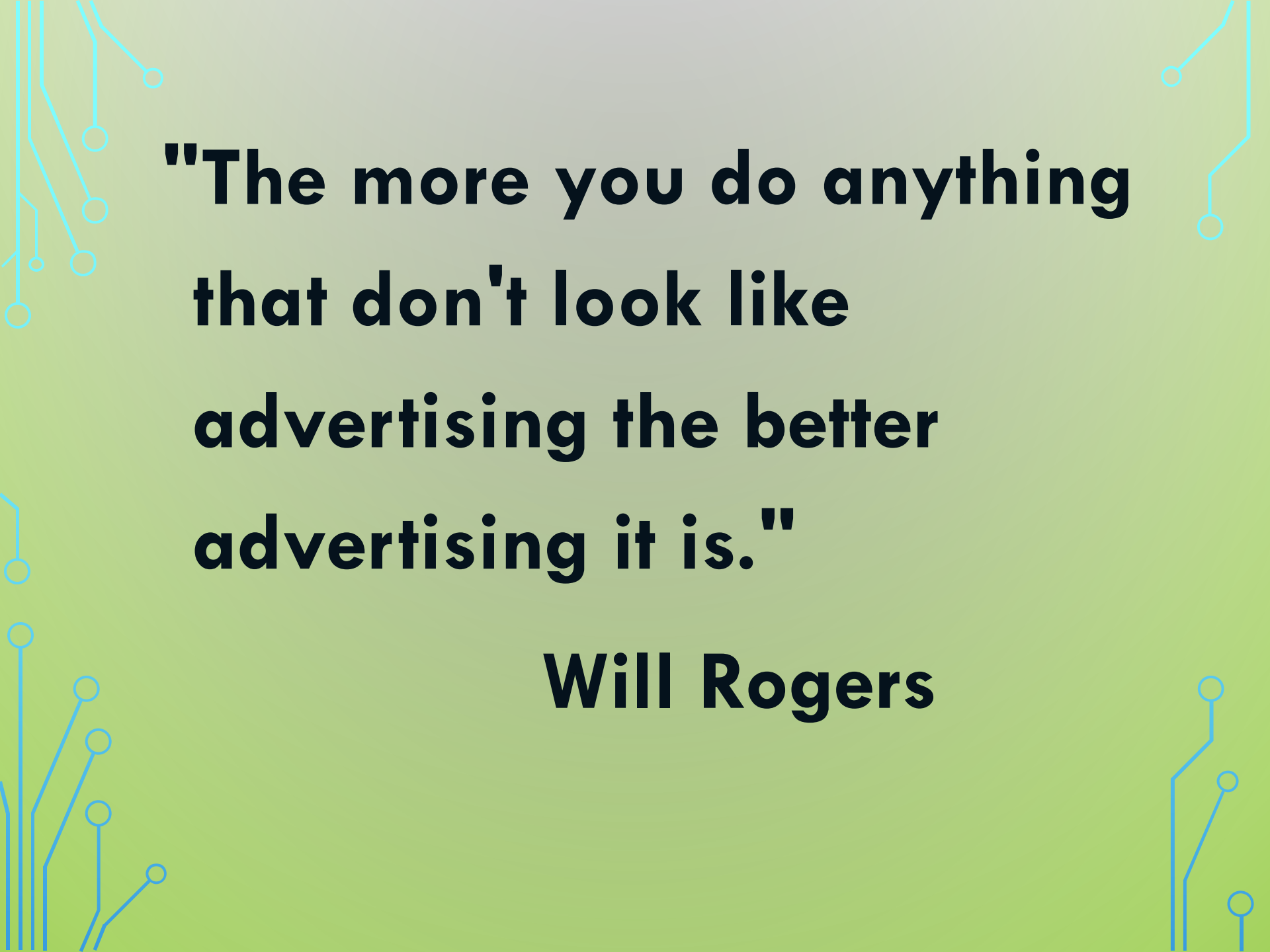
HAMSCI



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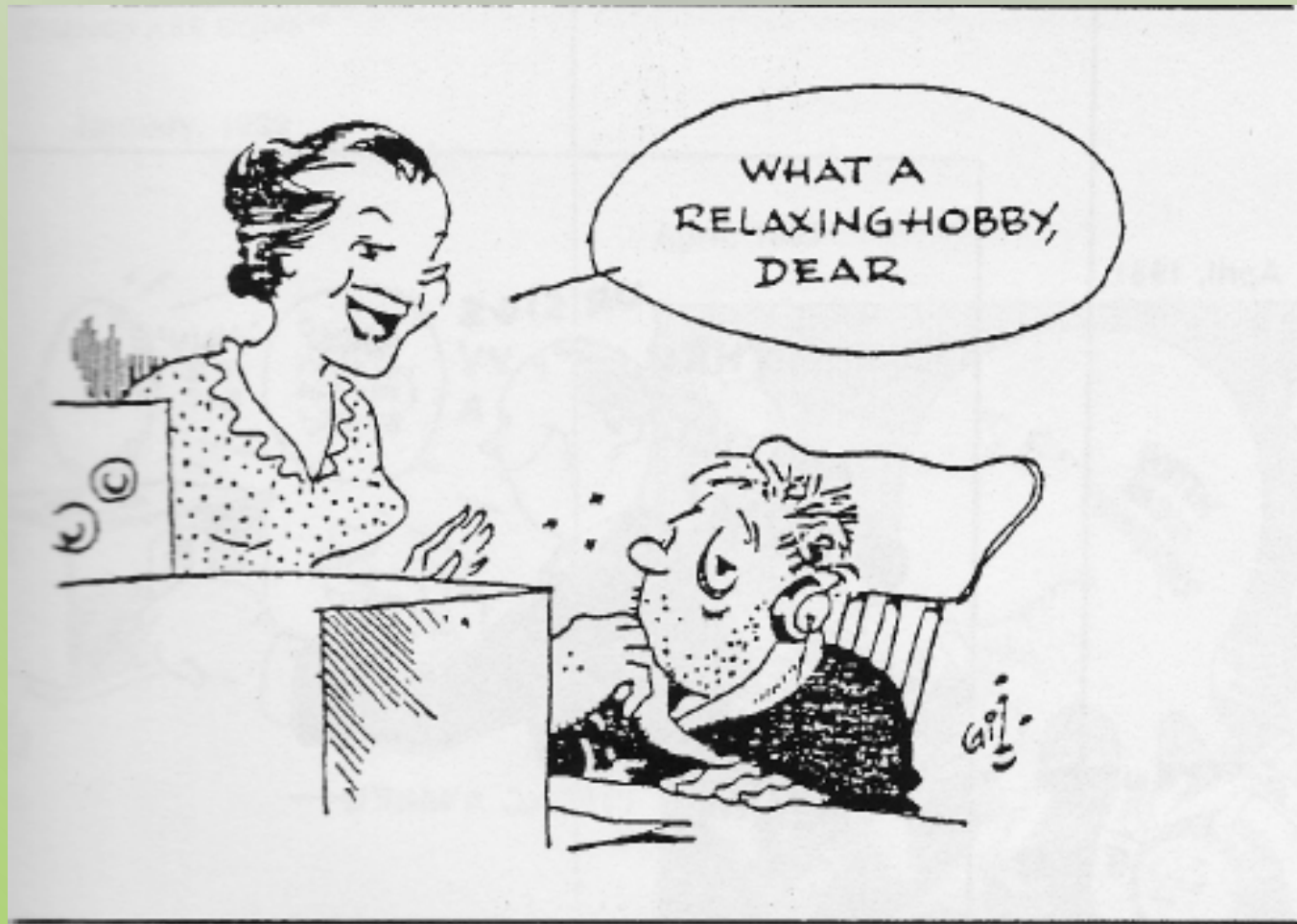
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**"The more you do anything
that don't look like
advertising the better
advertising it is."**

Will Rogers

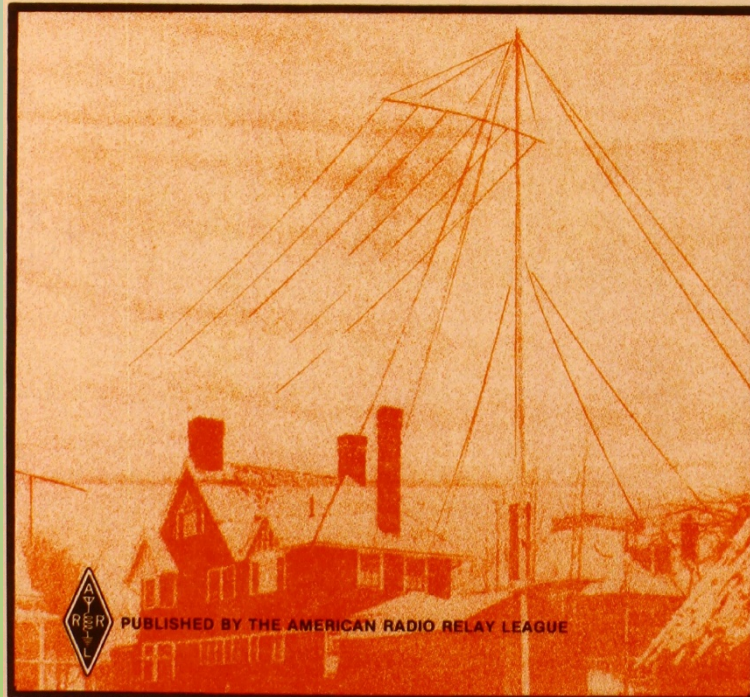
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GET OUTSIDE YOUR BOX

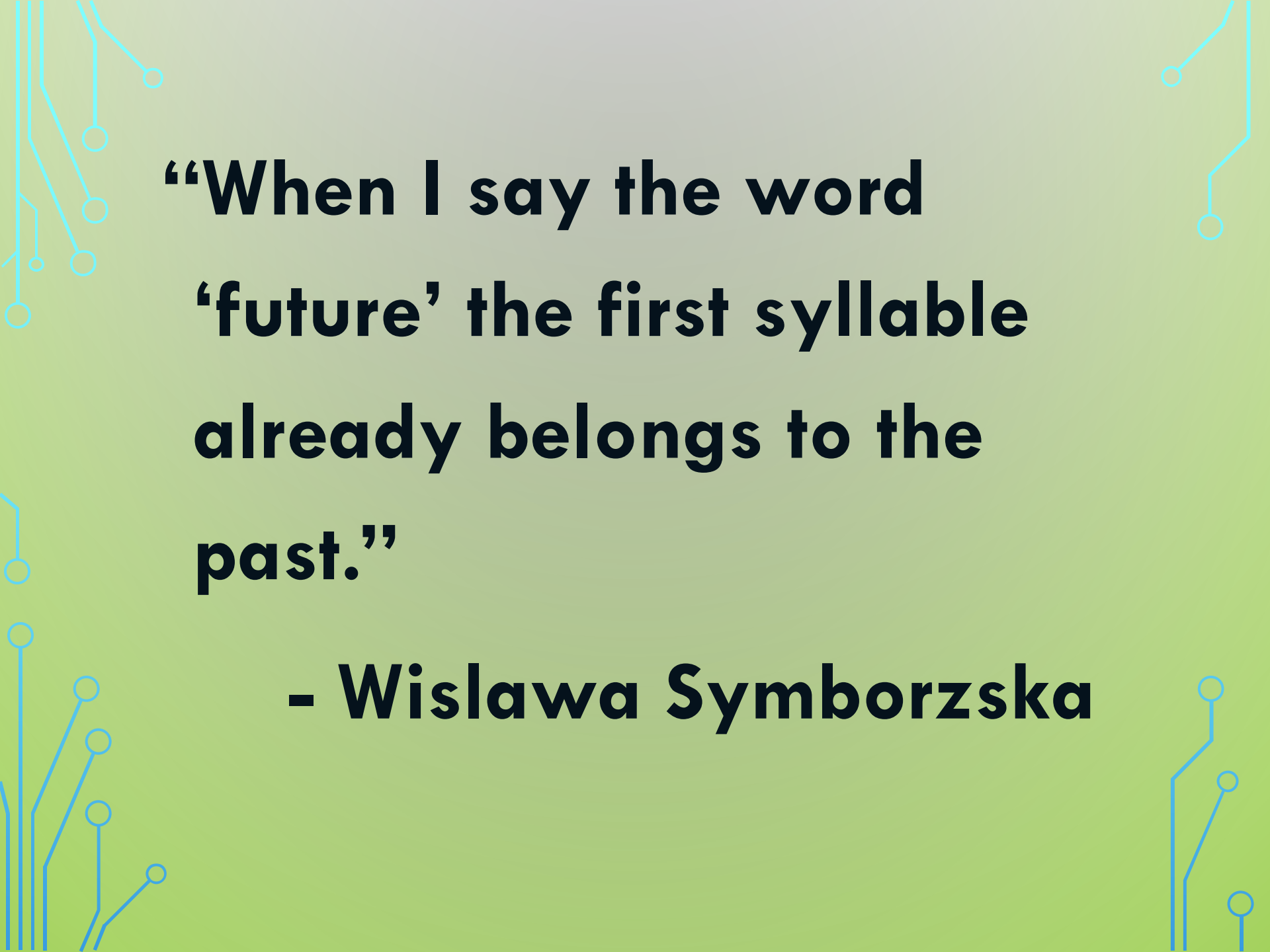


200 METERS & DOWN

THE STORY OF AMATEUR RADIO ■ BY CLINTON B. DeSOTO



PUBLISHED BY THE AMERICAN RADIO RELAY LEAGUE

The background is a light green gradient. In the corners, there are decorative elements consisting of thin blue lines that resemble circuit traces or neural network connections, ending in small circles.

**“When I say the word
‘future’ the first syllable
already belongs to the
past.”**

- Wislawa Symborzka

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THANK YOU!!