

# Amateur Radio and the Apple II

KansasFest 2020



Peter Neubauer (KD0QXJ) / 24 July 2020 / [bluerwhite.org](http://bluerwhite.org)



# What is amateur radio?



Guglielmo Marconi (1874-1937)

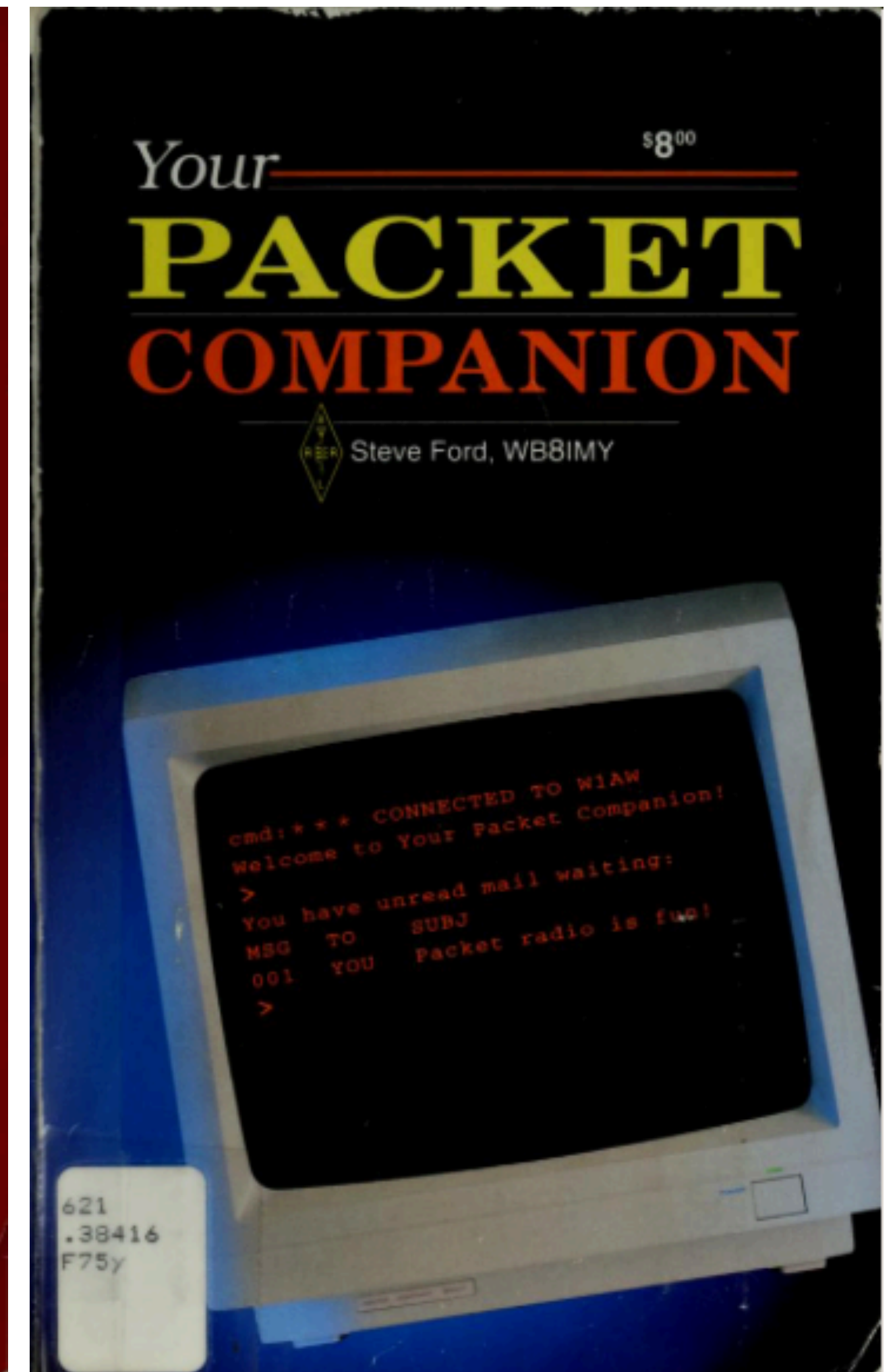




# The Personal Computer Revolution



Gabe Wiener, A+, November 1987





217 RESULTS

SORT BY RELEVANCE · VIEWS · TITLE · DATE ARCHIVED · CREATOR

### Media Type

- ☐ texts 121
- ☐ audio 67
- ☐ movies 15
- ☐ software 10
- ☐ images 2
- ☐ data 1

More ▶

### Availability

- ☐ Always Available 217

### Year

- ☐ 2019 11
- ☐ 2018 3
- ☐ 2017 14
- ☐ 2016 3
- ☐ 2014 1
- ☐ 2013 3

More ▶

### Topics & Subjects

- ☐ amateur radio 120
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- ☐ antenna 117
- ☐ ham radio 113
- ☐ amateur 65
- ☐ mhz 63

More ▶

### Collection

- ☐ 73 Magazine (Amateur Radio Today) 72
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- ☐ Podcasts 55
- ☐ This Week in Amateur Radio 45
- ☐ Defense Technical Information Archive 18
- ☐ Education Resources Information Center (ERIC) Archive 14

More ▶

### Creator

- ☐ george bowen, w2xbs 47
- ☐ defense technical information center 18

73 Magazine (August 1986)

73 Magazine (August 1991)

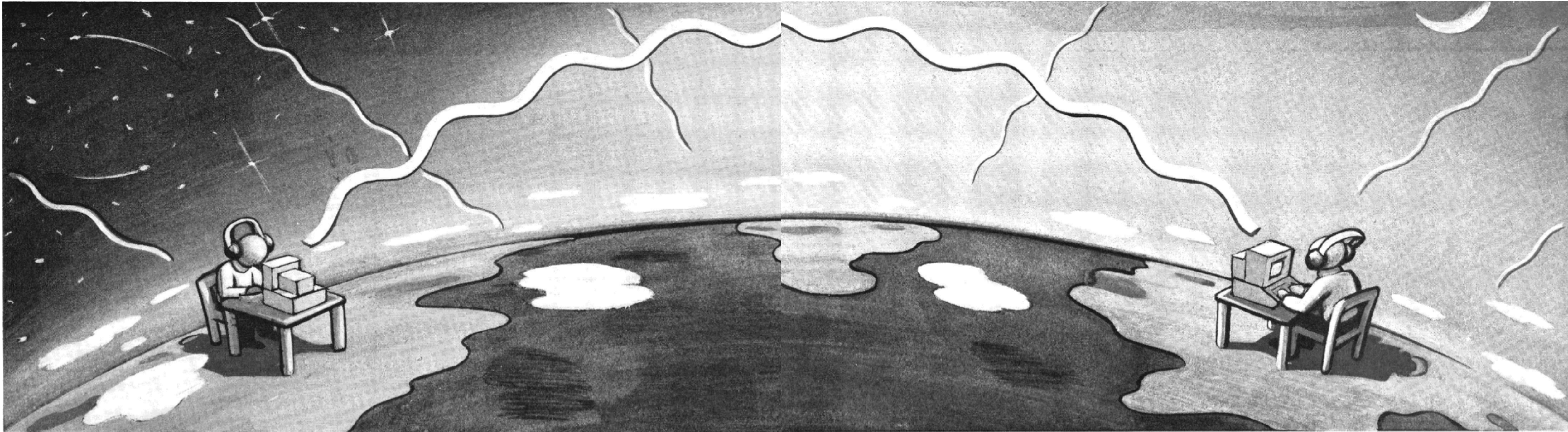
73 Magazine (October 1992)

73 Magazine (July 1987)



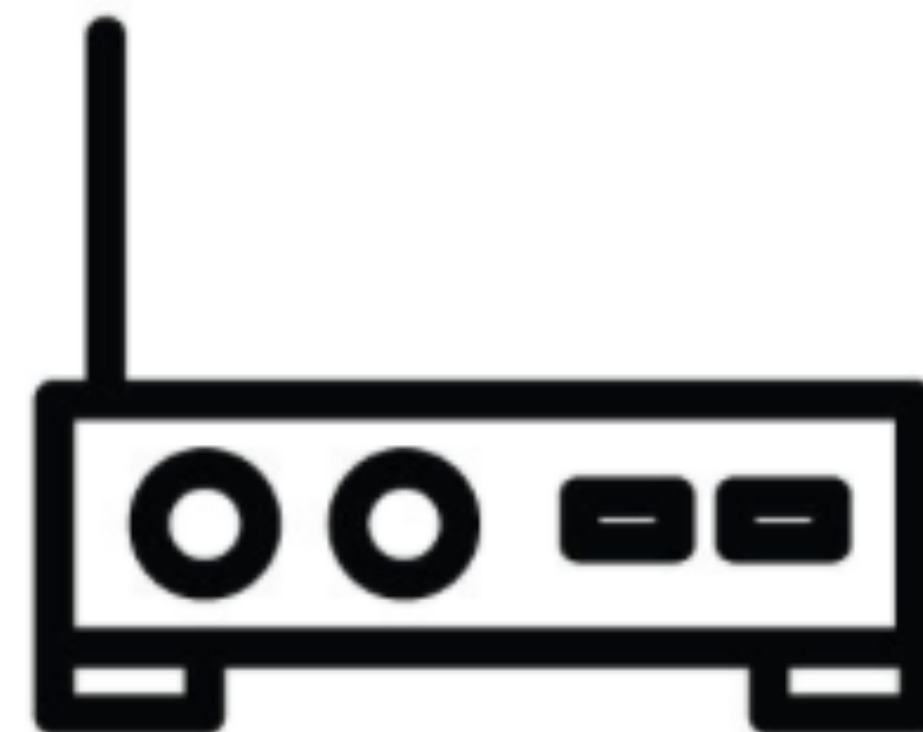


# Wireless Digital Communication





**Disconnected**





A.P.P.L.E. PUBLIC DOMAIN SOFTWARE

[illegible]

DO YOU WANT TO LOAD OR RUN ANY OF  
THESE PROGRAMS? (THERE ARE MORE.)

73 MAGAZINE SEPT. 1980 PAGE # 92

SWR CALCULATOR PROGRAM

ENTER FOWARD POWER IN WATTS 100

ENTER REVERSE POWER IN WATTS 80

```
THE SUM IS 17.9442719:1
```





# The Best of APPLE II PUBLIC DOMAIN SOFTWARE

*Edition II*

DO NOT  
MAGNETIC



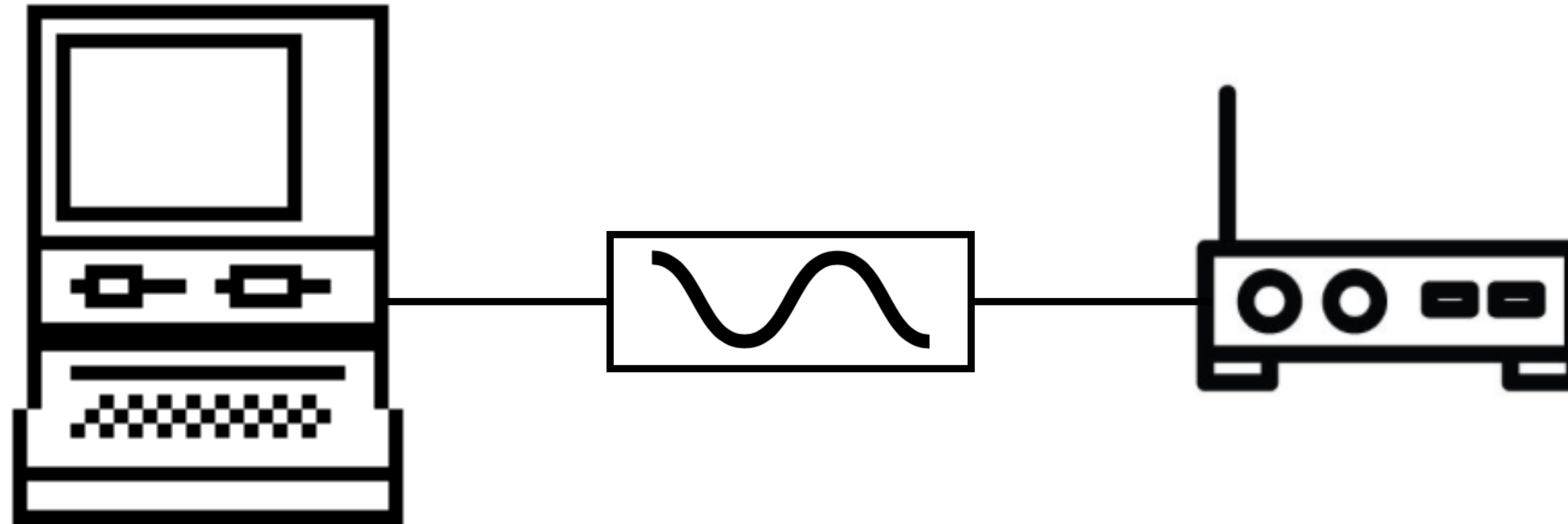
## 076 Ham Listings

Here's a selection of programs to help the ham operator. DXCC WAGNER allows you to search for listings by entering a call's prefix, country, or continent. For each prefix you receive information on geographical location, beam heading, whether the prefix was worked and whether you have the prefix confirmed. Fifty new prefixes can be added. DXCC GAME WITH PRINTER tests your ability to identify prefixes and countries. LOG AMATEUR RADIO helps you set up a log and add and print entries. Several programs such as WAS RECORDS and WAZ RECORDS store useful information.

A DXCC DEMATTIA	Stores data for five-band DXCC, indicates the location of data for revision.
A DXCC GAME WITH PRINTER	Tests your ability to identify DXCC code.
A DXCC WAGNER	Searches for a listing by inputting a call's prefix, country, or continent.
A ELCT CALCULATOR I	Seven different functions that calculate problems in electronic design.
A FILTER NOTCH	Makes calculations for construction of a notch filter.
A LIGHTING LIFE CYCLE	Analysis of the economic life of a lamp.
A LOG AMATEUR RADIO	Log that stores radio information by date, call sign, mode, and band.
A MAP PROJECTIONS	Asks for longitude and perspective in terms of radians, then inscribes the product.
A REACTANCE CALCULATIONS	Solves problems for inductance, capacitance, and inductive reactance.
A RESISTOR COLOR CODE DECODER	Mixes colors then gives the tolerance and number of resistance.
A RESISTOR COLOR CODE QUIZ	Learn resistor color codes.
A TOWER GUY WIRE LENGTHS	Gives length of cable needed, input information about height, distance, and number of sets of three guy wires.
A TRANSISTOR PARAMETERS	Calculates transistor parameters needed for given information.
A WAS RECORDS	Same as DXCC DEMATTIA, but stores information on states in the U.S.
A WAZ RECORDS	Same as WAZ RECORDS, but stores information on zone.



# Terminal Units







Advanced Electronic Applications, Inc.

# Computer Patch™ Interface

FILTER

Three toggle switches for filter selection:

- VAR
- 170
- CW

TUNE



VAR SHIFT



STBY/PTT

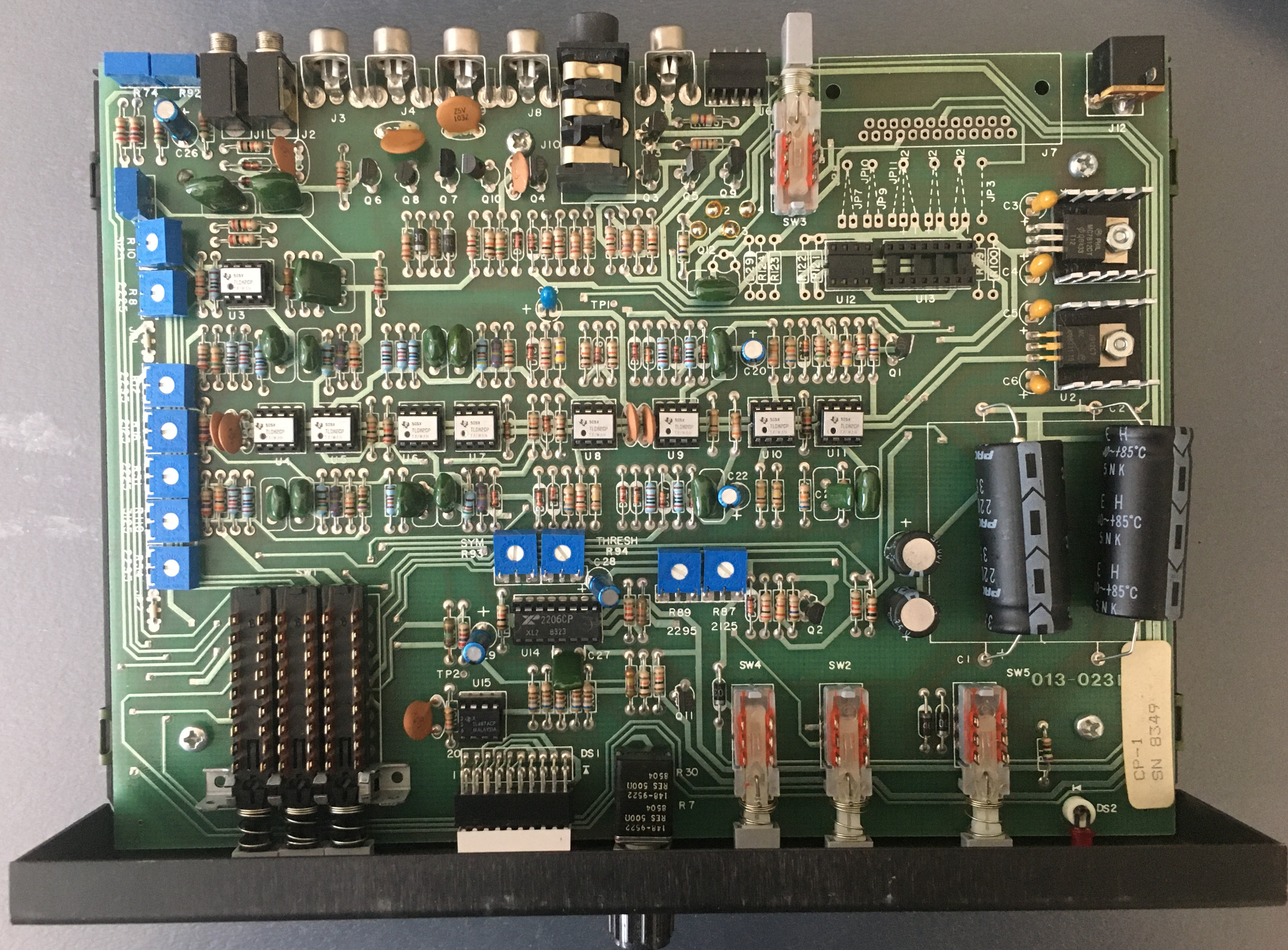
NORM

OFF



Model CP-1







# ENGINEERING MAKES THE DIFFERENCE



## **Production Expertise And Service Integrity Form The Foundation For Your Long-Term Satisfaction**

The fact that the Computer Patch Interface unit by Advanced Electronic Applications, Inc. is known as the best value on the market is no accident. The CP-1 was designed by Al Chandler, K6RFK (PHD-E.E.), an active RTTY user since 1963.

Given a cost per unit budget for the CP-1, Al designed as much performance as possible into the Computer Patch, including a unique new tuning indicator, referred to by one of our customers as the "Dead Eye Dick" tuning indicator. This indicator is ideal for RTTY and CW in that it is both fast to tune and (within 10 Hz) as accurate as scope tuning. It also performs under



HAM RADIO  
Communications  
Package  
Copyright 1978, 1980  
C. H. Galfo - WB4JMD

<https://willegal.net/digitalradio/Galfo-HAM-App.html>



# RTTY TODAY

## MODERN GUIDE TO AMATEUR RADIOTELETYPE

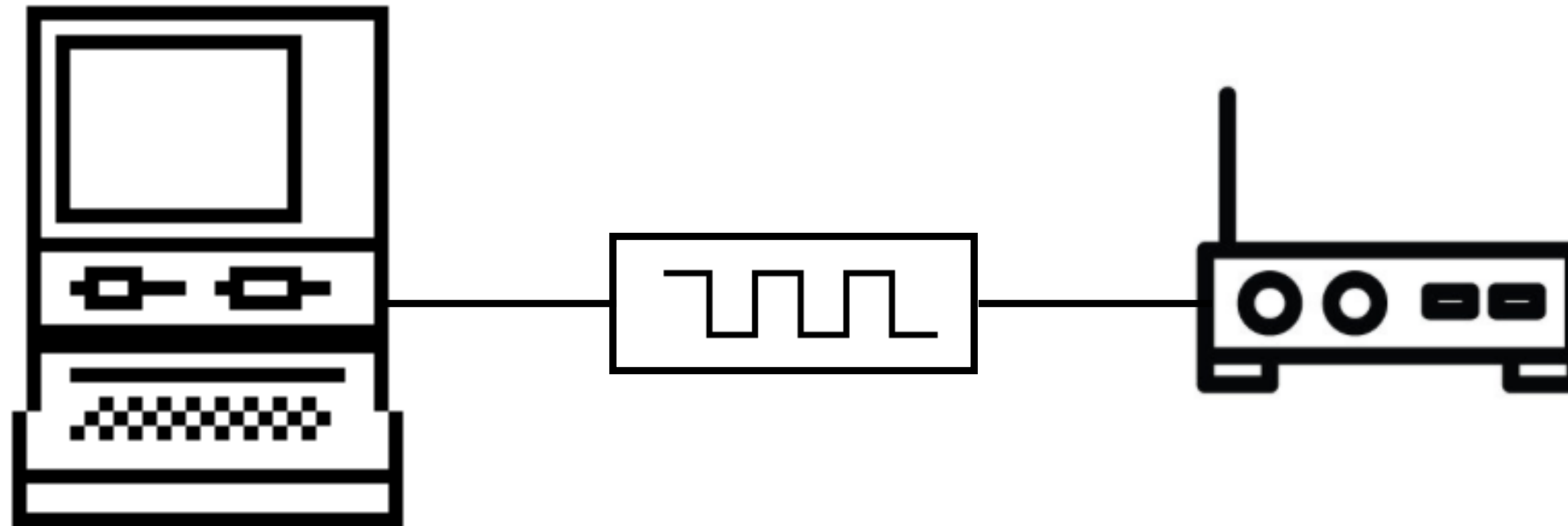
- ☐ ANSWERS ALL AMATEUR RTTY QUESTIONS
- ☐ FULL COMPUTER RTTY QUESTIONS
- ☐ COVERS ALL NEW TELETYPE EQUIPMENT



DAVE INGRAM K4TWJ



# All-Mode Controllers and Terminal Node Controllers





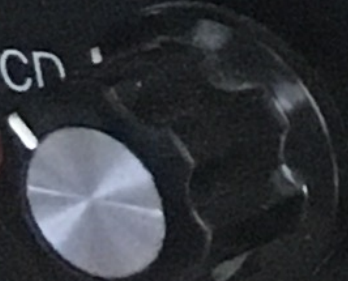


Advanced Electronic Applications, Inc.

THRESHOLD

M ← → S

DCN



TUNE

PAKRATT 232

STATUS

LED	Label
Red	MULT
Red	SEND
Green	CONV
Green	ERROR
Green	IDLE
Red	PHASE
Green	STBY
Green	STA
Green	CON
Yellow	RQ CMD
Green	TFC TRANS
Green	OVER

MODE

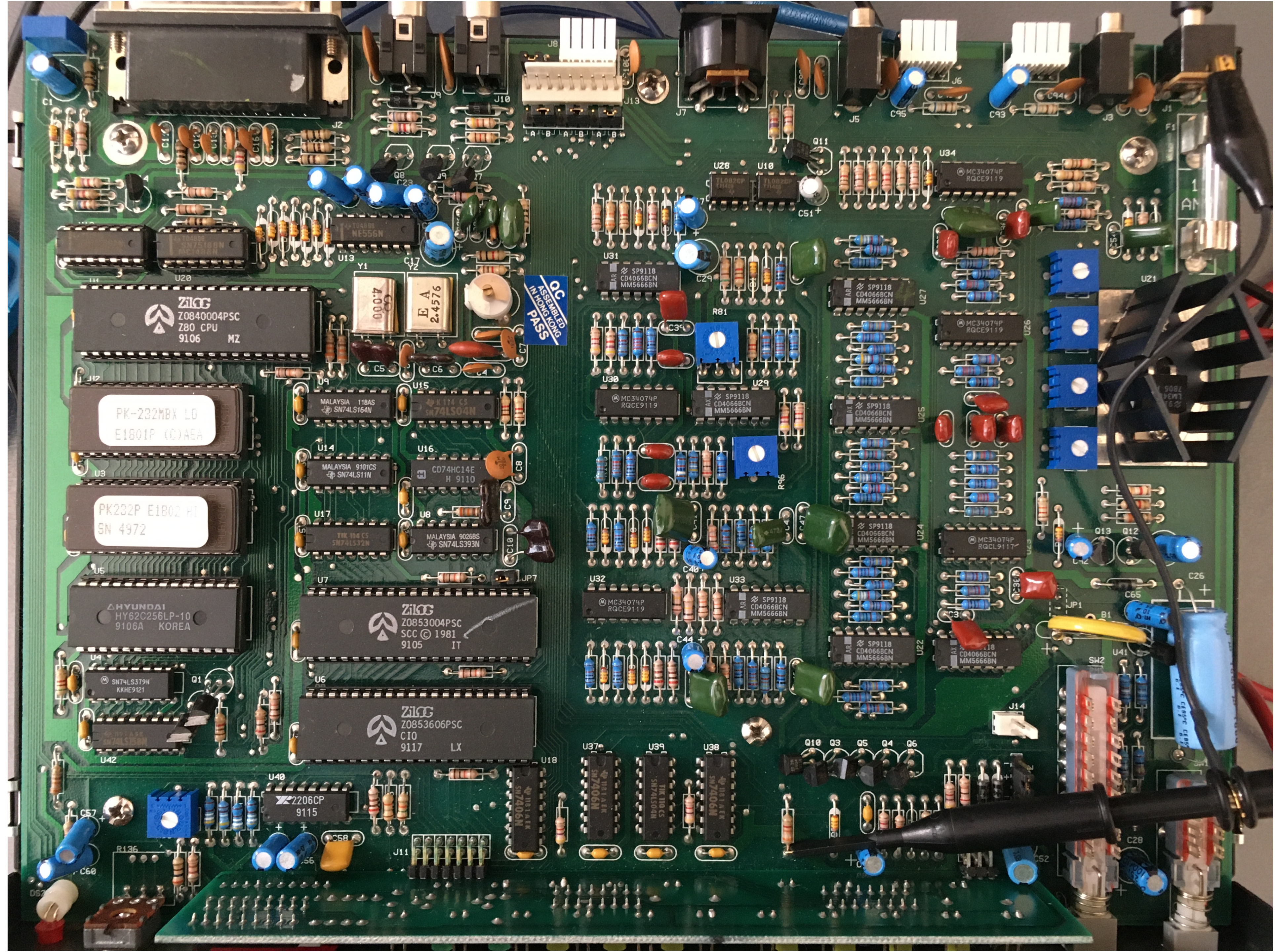
LED	Label
Green	STBY
Green	MODEL
Green	FEC
Green	ASCII
Green	BAUDOT
Green	ARQ
Green	SELFEC
Yellow	PKT
Green	MORSE

Model PK-232MBX

RADIO 1 ☐ OFF

RADIO 2 ☐ ON









OPERATING MANUAL

MODEL PK-232MBX DATA CONTROLLER

ADVANCED ELECTRONIC APPLICATIONS, INC.

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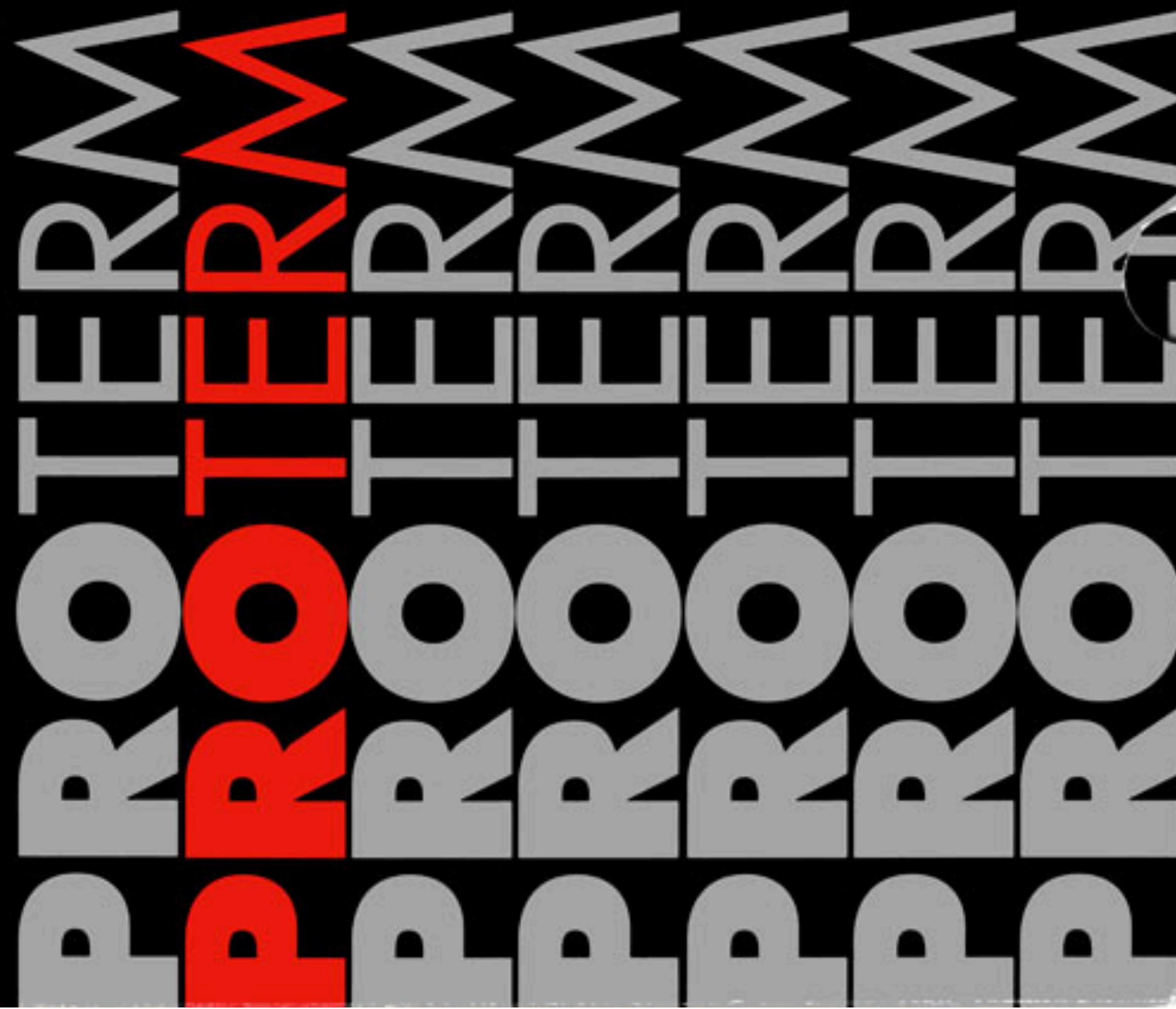




TELECOM SOFTWARE FOR APPLE II COMPUTERS  
INSYNC WITH THE NEEDS OF THE NOVICE OR PRO.

Includes Sign-Up Kits For:  
CompuServe, GEnie, Delphi  
Dow Jones News/Retrieval...

3





A P R

Apple Packet Radio

Version 2.0 - 02-APR-89

Copyright (c) 1988,89

By Fabio Viviani

All rights reserved

Press <RETURN> to proceed



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- [https://mirrors.apple2.org.za/ftp.apple.asimov.net/images/pd\\_collections/misc/Apple2AmateurRadio.zip](https://mirrors.apple2.org.za/ftp.apple.asimov.net/images/pd_collections/misc/Apple2AmateurRadio.zip)